LR-1750

074704

02.07.2021

Reference	Identification number	Illustration number
Electrics Superstructure	982847308	1357-932.00.00.001-
Electrics Carrier	LX_1750	Liebherr USA, Co.
Error list	-1141573	9154-700.00.00.000.020

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
000001	ZE 0: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
000002	ZE 0: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
000006	ZE 0: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
000007	ZE 0: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
000010	ZE 0: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
000011	ZE 0: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
000012	ZE 0: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
000013	ZE 0: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
000014	ZE 0: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped			E	2
000015	ZE 0: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
000016	ZE 0: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped			E	2
000017	ZE 0: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped			E	2
000018	ZE 0: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
000019	ZE 0: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
000020	ZE 0: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2
000021	ZE 0: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
000022	ZE 0: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
000023	ZE 0: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2
000024	ZE 0: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped			E	2
000025	ZE 0: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
000026	ZE 0: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped			E	2
000030	ZE 0: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped			E	2
000041	ZE 0: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped			E	2
000044	ZE 0: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped			E	2
000045	ZE 0: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped			E	2
000046	ZE 0: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped			E	2
000047	ZE 0: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped			E	2
000048	ZE 0: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped			E	2
000049	ZE 0: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
000050	ZE 0: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
000051	ZE 0: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped			E	2
000052	ZE 0: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped			E	2
000053	ZE 0: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
000054	ZE 0: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
000055	ZE 0: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2
000056	ZE 0: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2
000057	ZE 0: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
000058	ZE 0: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
000059	ZE 0: system error OS-HC11 (observe parameters) subroutine not reenterant entry in error memory, all crane movements will be stopped			E	2
000060	ZE 0: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
000061	ZE 0: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
000062	ZE 0: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
000063	ZE 0: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
000065	ZE 0: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped			E	2
000066	ZE 0: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
000067	ZE 0: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
000068	ZE 0: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
000070	ZE 0: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2
000071	ZE 0: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible			E	2
000072	ZE 0: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
000073	ZE 0: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped			E	2
000074	ZE 0: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped			E	2
000075	ZE 0: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
000076	ZE 0: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
000077	ZE 0: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2
000078	ZE 0: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2
000079	ZE 0: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
000080	ZE 0: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2
000081	ZE 0: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped			E	2
000082	ZE 0: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
000094	ZE 0: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
000095	ZE 0: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
000099	ZE 0: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
002001	ZE 0: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
002002	ZE 0: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
002006	ZE 0: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
002007	ZE 0: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
002020	ZE 0: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
002021	ZE 0: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
002082	ZE 0: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010012	ZE 0: output 0 short circuit to ground	X70:16		E	1
010013	ZE 0: output 0 open signal circuits	X70:16		E	1
010014	ZE 0: output 0 short circuit to supply voltage	X70:16		E	1
010054	ZE 0: output 0 short circuit to supply voltage	X70:16		E	1
010058	ZE 0: output 0 positive switching transistor: disruption	X70:16		E	1
010070	ZE 0: output 0 measuring system defect no crane operation possible entry in error list	X70:16		E	1
010071	ZE 0: output 0 short circuit to ground or transistor defect	X70:16		E	1
010072	ZE 0: output 0 outside source feeding	X70:16		E	1
010073	ZE 0: output 0 open circuit or short circuit to supply voltage/ground	X70:16		E	1
010112	ZE 0: output 1 short circuit to ground	X70:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010113	ZE 0: output 1 open signal circuits	X70:17		E	1
010114	ZE 0: output 1 short circuit to supply voltage	X70:17		E	1
010154	ZE 0: output 1 short circuit to supply voltage	X70:17		E	1
010158	ZE 0: output 1 positive switching transistor: disruption	X70:17		E	1
010170	ZE 0: output 1 measuring system defect no crane operation possible entry in error list	X70:17		E	1
010171	ZE 0: output 1 short circuit to ground or transistor defect	X70:17		E	1
010172	ZE 0: output 1 outside source feeding	X70:17		E	1
010173	ZE 0: output 1 open circuit or short circuit to supply voltage/ground	X70:17		E	1
010212	ZE 0: output 2 short circuit to ground	X70:18		E	1
010213	ZE 0: output 2 open signal circuits	X70:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010214	ZE 0: output 2 short circuit to supply voltage	X70:18		E	1
010254	ZE 0: output 2 short circuit to supply voltage	X70:18		E	1
010258	ZE 0: output 2 positive switching transistor: disruption	X70:18		E	1
010270	ZE 0: output 2 measuring system defect no crane operation possible entry in error list	X70:18		E	1
010271	ZE 0: output 2 short circuit to ground or transistor defect	X70:18		E	1
010272	ZE 0: output 2 outside source feeding	X70:18		E	1
010273	ZE 0: output 2 open circuit or short circuit to supply voltage/ground	X70:18		E	1
010312	ZE 0: output 3 short circuit to ground	X70:19		E	1
010313	ZE 0: output 3 open signal circuits	X70:19		E	1
010314	ZE 0: output 3 short circuit to supply voltage	X70:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010354	ZE 0: output 3 short circuit to supply voltage	X70:19		E	1
010358	ZE 0: output 3 positive switching transistor: disruption	X70:19		E	1
010370	ZE 0: output 3 measuring system defect no crane operation possible entry in error list	X70:19		E	1
010371	ZE 0: output 3 short circuit to ground or transistor defect	X70:19		E	1
010372	ZE 0: output 3 outside source feeding	X70:19		E	1
010373	ZE 0: output 3 open circuit or short circuit to supply voltage/ground	X70:19		E	1
010412	ZE 0: output 4 short circuit to ground	X70:20		E	1
010413	ZE 0: output 4 open signal circuits	X70:20		E	1
010414	ZE 0: output 4 short circuit to supply voltage	X70:20		E	1
010454	ZE 0: output 4 short circuit to supply voltage	X70:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010458	ZE 0: output 4 positive switching transistor: disruption	X70:20		E	1
010460	ZE 0: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X70:20		E	1
010462	ZE 0: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X70:20		E	1
010463	ZE 0: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X70:20		E	1
010470	ZE 0: output 4 measuring system defect no crane operation possible entry in error list	X70:20		E	1
010471	ZE 0: output 4 short circuit to ground or transistor defect	X70:20		E	1
010472	ZE 0: output 4 outside source feeding	X70:20		E	1
010473	ZE 0: output 4 open circuit or short circuit to supply voltage/ground	X70:20		E	1
010512	ZE 0: output 5 short circuit to ground	X70:21		E	1
010513	ZE 0: output 5 open signal circuits	X70:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010514	ZE 0: output 5 short circuit to supply voltage	X70:21		E	1
010554	ZE 0: output 5 short circuit to supply voltage	X70:21		E	1
010558	ZE 0: output 5 positive switching transistor: disruption	X70:21		E	1
010560	ZE 0: output 5 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X70:21		E	1
010562	ZE 0: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X70:21		E	1
010563	ZE 0: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X70:21		E	1
010570	ZE 0: output 5 measuring system defect no crane operation possible entry in error list	X70:21		E	1
010571	ZE 0: output 5 short circuit to ground or transistor defect	X70:21		E	1
010572	ZE 0: output 5 outside source feeding	X70:21		E	1
010573	ZE 0: output 5 open circuit or short circuit to supply voltage/ground	X70:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010612	ZE 0: output 6 short circuit to ground	X70:22		E	1
010613	ZE 0: output 6 open signal circuits	X70:22		E	1
010614	ZE 0: output 6 short circuit to supply voltage	X70:22		E	1
010654	ZE 0: output 6 short circuit to supply voltage	X70:22		E	1
010658	ZE 0: output 6 positive switching transistor: disruption	X70:22		E	1
010660	ZE 0: output 6 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X70:22		E	1
010662	ZE 0: output 6 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X70:22		E	1
010663	ZE 0: output 6 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X70:22		E	1
010670	ZE 0: output 6 measuring system defect no crane operation possible entry in error list	X70:22		E	1
010671	ZE 0: output 6 short circuit to ground or transistor defect	X70:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010672	ZE 0: output 6 outside source feeding	X70:22		E	1
010673	ZE 0: output 6 open circuit or short circuit to supply voltage/ground	X70:22		E	1
010712	ZE 0: output 7 short circuit to ground	X70:23		E	1
010713	ZE 0: output 7 open signal circuits	X70:23		E	1
010714	ZE 0: output 7 short circuit to supply voltage	X70:23		E	1
010754	ZE 0: output 7 short circuit to supply voltage	X70:23		E	1
010758	ZE 0: output 7 positive switching transistor: disruption	X70:23		E	1
010760	ZE 0: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X70:23		E	1
010762	ZE 0: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X70:23		E	1
010763	ZE 0: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X70:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010770	ZE 0: output 7 measuring system defect no crane operation possible entry in error list	X70:23		E	1
010771	ZE 0: output 7 short circuit to ground or transistor defect	X70:23		E	1
010772	ZE 0: output 7 outside source feeding	X70:23		E	1
010773	ZE 0: output 7 open circuit or short circuit to supply voltage/ground	X70:23		E	1
014959	ZE 0: all output supply voltage missing	X70		E	1
015059	ZE 0: output group 0 supply voltage missing	X70:12		E	1
015159	ZE 0: output group 1 supply voltage missing	X70:24		E	1
015259	ZE 0: output group 2 supply voltage missing	X70:25		E	1
015359	ZE 0: output group 3 supply voltage missing	X70:13		E	1
020004	ZE 0: LSB participant address 0 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020005	ZE 0: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020018	ZE 0: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020050	ZE 0: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020051	ZE 0: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020053	ZE 0: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020054	ZE 0: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020064	ZE 0: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020065	ZE 0: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020066	ZE 0: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020067	ZE 0: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020104	ZE 0: LSB participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020105	ZE 0: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020118	ZE 0: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020150	ZE 0: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020151	ZE 0: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020153	ZE 0: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020154	ZE 0: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020164	ZE 0: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020165	ZE 0: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020166	ZE 0: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020167	ZE 0: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020204	ZE 0: LSB participant address 2 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020205	ZE 0: LSB participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020218	ZE 0: LSB participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020250	ZE 0: LSB participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020251	ZE 0: LSB participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020253	ZE 0: LSB participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020254	ZE 0: LSB participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020264	ZE 0: LSB participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020265	ZE 0: LSB participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020266	ZE 0: LSB participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020267	ZE 0: LSB participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020304	ZE 0: LSB participant address 3 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020305	ZE 0: LSB participant address 3 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020318	ZE 0: LSB participant address 3 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020350	ZE 0: LSB participant address 3 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020351	ZE 0: LSB participant address 3 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020353	ZE 0: LSB participant address 3 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020354	ZE 0: LSB participant address 3 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020364	ZE 0: LSB participant address 3 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020365	ZE 0: LSB participant address 3 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020366	ZE 0: LSB participant address 3 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020367	ZE 0: LSB participant address 3 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020404	ZE 0: LSB participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020405	ZE 0: LSB participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020418	ZE 0: LSB participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020450	ZE 0: LSB participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020451	ZE 0: LSB participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020453	ZE 0: LSB participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020454	ZE 0: LSB participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020464	ZE 0: LSB participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020465	ZE 0: LSB participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020466	ZE 0: LSB participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020467	ZE 0: LSB participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020504	ZE 0: LSB participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020505	ZE 0: LSB participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020518	ZE 0: LSB participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020550	ZE 0: LSB participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020551	ZE 0: LSB participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020553	ZE 0: LSB participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020554	ZE 0: LSB participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020564	ZE 0: LSB participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020565	ZE 0: LSB participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020566	ZE 0: LSB participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020567	ZE 0: LSB participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020604	ZE 0: LSB participant address 6 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020605	ZE 0: LSB participant address 6 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020618	ZE 0: LSB participant address 6 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020650	ZE 0: LSB participant address 6 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020651	ZE 0: LSB participant address 6 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020653	ZE 0: LSB participant address 6 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020654	ZE 0: LSB participant address 6 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020664	ZE 0: LSB participant address 6 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020665	ZE 0: LSB participant address 6 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020666	ZE 0: LSB participant address 6 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020667	ZE 0: LSB participant address 6 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020704	ZE 0: LSB participant address 7 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020705	ZE 0: LSB participant address 7 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020718	ZE 0: LSB participant address 7 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020750	ZE 0: LSB participant address 7 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020751	ZE 0: LSB participant address 7 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020753	ZE 0: LSB participant address 7 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020754	ZE 0: LSB participant address 7 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020764	ZE 0: LSB participant address 7 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020765	ZE 0: LSB participant address 7 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020766	ZE 0: LSB participant address 7 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020767	ZE 0: LSB participant address 7 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020804	ZE 0: LSB participant address 8 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020805	ZE 0: LSB participant address 8 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
020818	ZE 0: LSB participant address 8 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020850	ZE 0: LSB participant address 8 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020851	ZE 0: LSB participant address 8 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020853	ZE 0: LSB participant address 8 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020854	ZE 0: LSB participant address 8 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020864	ZE 0: LSB participant address 8 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020865	ZE 0: LSB participant address 8 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020866	ZE 0: LSB participant address 8 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020867	ZE 0: LSB participant address 8 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
020904	ZE 0: LSB participant address 9 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
020905	ZE 0: LSB participant address 9 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020918	ZE 0: LSB participant address 9 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
020950	ZE 0: LSB participant address 9 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
020951	ZE 0: LSB participant address 9 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
020953	ZE 0: LSB participant address 9 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020954	ZE 0: LSB participant address 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020964	ZE 0: LSB participant address 9 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
020965	ZE 0: LSB participant address 9 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
020966	ZE 0: LSB participant address 9 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
020967	ZE 0: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
021004	ZE 0: LSB participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021005	ZE 0: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
021018	ZE 0: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
021050	ZE 0: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
021051	ZE 0: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
021053	ZE 0: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
021054	ZE 0: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
021064	ZE 0: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
021065	ZE 0: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
021066	ZE 0: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
021067	ZE 0: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021104	ZE 0: LSB participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
021105	ZE 0: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
021118	ZE 0: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
021150	ZE 0: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
021151	ZE 0: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
021153	ZE 0: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
021154	ZE 0: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
021164	ZE 0: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
021165	ZE 0: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
021166	ZE 0: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021167	ZE 0: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
021604	ZE 0: LSB participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
021605	ZE 0: LSB participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
021618	ZE 0: LSB participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
021650	ZE 0: LSB participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
021651	ZE 0: LSB participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
021653	ZE 0: LSB participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
021654	ZE 0: LSB participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
021664	ZE 0: LSB participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
021665	ZE 0: LSB participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021666	ZE 0: LSB participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
021667	ZE 0: LSB participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
021704	ZE 0: LSB participant address 17 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
021705	ZE 0: LSB participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
021718	ZE 0: LSB participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
021750	ZE 0: LSB participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
021751	ZE 0: LSB participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
021753	ZE 0: LSB participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
021754	ZE 0: LSB participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
021764	ZE 0: LSB participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021765	ZE 0: LSB participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
021766	ZE 0: LSB participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
021767	ZE 0: LSB participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
021804	ZE 0: LSB participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
021805	ZE 0: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
021818	ZE 0: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
021850	ZE 0: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
021851	ZE 0: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
021853	ZE 0: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
021854	ZE 0: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021864	ZE 0: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
021865	ZE 0: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
021866	ZE 0: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
021867	ZE 0: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
021904	ZE 0: LSB participant address 19 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
021905	ZE 0: LSB participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
021918	ZE 0: LSB participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
021950	ZE 0: LSB participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
021951	ZE 0: LSB participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
021953	ZE 0: LSB participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021954	ZE 0: LSB participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
021964	ZE 0: LSB participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
021965	ZE 0: LSB participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
021966	ZE 0: LSB participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
021967	ZE 0: LSB participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022004	ZE 0: LSB participant address 20 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022005	ZE 0: LSB participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022018	ZE 0: LSB participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022050	ZE 0: LSB participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022051	ZE 0: LSB participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022053	ZE 0: LSB participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022054	ZE 0: LSB participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022064	ZE 0: LSB participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022065	ZE 0: LSB participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022066	ZE 0: LSB participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022067	ZE 0: LSB participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022104	ZE 0: LSB participant address 21 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022105	ZE 0: LSB participant address 21 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022118	ZE 0: LSB participant address 21 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022150	ZE 0: LSB participant address 21 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022151	ZE 0: LSB participant address 21 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022153	ZE 0: LSB participant address 21 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022154	ZE 0: LSB participant address 21 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022164	ZE 0: LSB participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022165	ZE 0: LSB participant address 21 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022166	ZE 0: LSB participant address 21 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022167	ZE 0: LSB participant address 21 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022204	ZE 0: LSB participant address 22 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022205	ZE 0: LSB participant address 22 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022218	ZE 0: LSB participant address 22 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022250	ZE 0: LSB participant address 22 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022251	ZE 0: LSB participant address 22 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022253	ZE 0: LSB participant address 22 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022254	ZE 0: LSB participant address 22 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022264	ZE 0: LSB participant address 22 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022265	ZE 0: LSB participant address 22 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022266	ZE 0: LSB participant address 22 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022267	ZE 0: LSB participant address 22 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022304	ZE 0: LSB participant address 23 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022305	ZE 0: LSB participant address 23 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022318	ZE 0: LSB participant address 23 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022350	ZE 0: LSB participant address 23 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022351	ZE 0: LSB participant address 23 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022353	ZE 0: LSB participant address 23 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022354	ZE 0: LSB participant address 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022364	ZE 0: LSB participant address 23 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022365	ZE 0: LSB participant address 23 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022366	ZE 0: LSB participant address 23 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022367	ZE 0: LSB participant address 23 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022404	ZE 0: LSB participant address 24 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022405	ZE 0: LSB participant address 24 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022418	ZE 0: LSB participant address 24 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022450	ZE 0: LSB participant address 24 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022451	ZE 0: LSB participant address 24 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022453	ZE 0: LSB participant address 24 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022454	ZE 0: LSB participant address 24 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022464	ZE 0: LSB participant address 24 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022465	ZE 0: LSB participant address 24 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022466	ZE 0: LSB participant address 24 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022467	ZE 0: LSB participant address 24 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022504	ZE 0: LSB participant address 25 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022505	ZE 0: LSB participant address 25 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022518	ZE 0: LSB participant address 25 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022550	ZE 0: LSB participant address 25 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022551	ZE 0: LSB participant address 25 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022553	ZE 0: LSB participant address 25 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022554	ZE 0: LSB participant address 25 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022564	ZE 0: LSB participant address 25 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022565	ZE 0: LSB participant address 25 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022566	ZE 0: LSB participant address 25 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022567	ZE 0: LSB participant address 25 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022604	ZE 0: LSB participant address 26 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022605	ZE 0: LSB participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022618	ZE 0: LSB participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022650	ZE 0: LSB participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022651	ZE 0: LSB participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022653	ZE 0: LSB participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022654	ZE 0: LSB participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022664	ZE 0: LSB participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022665	ZE 0: LSB participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022666	ZE 0: LSB participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022667	ZE 0: LSB participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022704	ZE 0: LSB participant address 27 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022705	ZE 0: LSB participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022718	ZE 0: LSB participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022750	ZE 0: LSB participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022751	ZE 0: LSB participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022753	ZE 0: LSB participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022754	ZE 0: LSB participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022764	ZE 0: LSB participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022765	ZE 0: LSB participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022766	ZE 0: LSB participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022767	ZE 0: LSB participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022804	ZE 0: LSB participant address 28 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022805	ZE 0: LSB participant address 28 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022818	ZE 0: LSB participant address 28 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022850	ZE 0: LSB participant address 28 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022851	ZE 0: LSB participant address 28 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022853	ZE 0: LSB participant address 28 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
022854	ZE 0: LSB participant address 28 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022864	ZE 0: LSB participant address 28 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022865	ZE 0: LSB participant address 28 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022866	ZE 0: LSB participant address 28 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022867	ZE 0: LSB participant address 28 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
022904	ZE 0: LSB participant address 29 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635:z14/z16		E	1
022905	ZE 0: LSB participant address 29 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
022918	ZE 0: LSB participant address 29 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0
022950	ZE 0: LSB participant address 29 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
022951	ZE 0: LSB participant address 29 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
022953	ZE 0: LSB participant address 29 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022954	ZE 0: LSB participant address 29 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
022964	ZE 0: LSB participant address 29 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635:z14/z16		E	1
022965	ZE 0: LSB participant address 29 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
022966	ZE 0: LSB participant address 29 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
022967	ZE 0: LSB participant address 29 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
023252	ZE 0: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635:z14/z16		E	0
023255	ZE 0: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635:z14/z16		E	2
023256	ZE 0: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635:z14/z16		E	2
023257	ZE 0: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635:z14/z16		E	1
023258	ZE 0: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
023259	ZE 0: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635:z14/z16		E	0
023260	ZE 0: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635:z14/z16		E	2
023261	ZE 0: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635:z14/z16		E	2
023262	ZE 0: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635:z14/z16		E	2
024814	ZE 0: input 0 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635:d2		E	1
024817	ZE 0: input 0 voltage below required value error report only Check sensor and supply line, replace faulty sensor	X635:d2		E	1
024856	ZE 0: input 0 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635:d2		E	1
024914	ZE 0: input 1 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635:d4		E	1
024917	ZE 0: input 1 voltage below required value error report only Check sensor and supply line, replace faulty sensor	X635:d4		E	1
024956	ZE 0: input 1 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635:d4		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
025002	ZE 0: input 2 sensor deficiency data short circuit to supply voltage report of error, otherwise no reaction check supply, LICCON input, sensor lines to short or break, sensor	X635:d6		E	1
025010	ZE 0: input 2 inadmissable signal difference No selection of respective table possible due to faulty feedback signal slewing platform locking check supply, LICCON input, sensor lines to short or break, sensor	X635:d6		E	1
025102	ZE 0: input 3 sensor deficiency data short circuit to supply voltage report of error, otherwise no reaction check supply, LICCON input, sensor lines to short or break, sensor	X635:d8		E	1
026114	ZE 0: input 13 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635:d28		E	1
026156	ZE 0: input 13 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635:d28		E	1
027210	ZE 0: input 24 inadmissable signal difference No selection of respective table possible due to faulty feedback signal slewing platform locking check supply, LICCON input, sensor lines to short or break, sensor	X635:b18		E	1
030000	ZE 0: LMB crane not commissioned or memory error error report only program commissioning data according to commissioning report through after-sales service			B	1
030005	ZE 0: LMB winch 1 not regulated, hook course indicator erroneous imprecise winch control and incorrect hook course indication for winch 1 Start up adjustment switch for range of lift display for winch 1 in lowering direction			E	1
030006	ZE 0: LMB winch 2 not regulated, hook course indicator erroneous imprecise winch control and incorrect hook course indication of winch 2 trigger adjustment switch for hook course indication of winch 2 through lowering			E	1
030016	ZE 0: LMB Pressure transducer overtop guard cyl main boom faulty/not present Load display too great Check sensor and supply line, replace faulty sensor			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030030	ZE 0: LMB One signal draw-meas. conn plate for load weigh faulty/not present Load display if necessary imprecise Check sensor and supply line, replace faulty sensor			E	1
030031	ZE 0: LMB One signal press. tran. for load weigh mast stub faulty/not present Load display if necessary imprecise Check sensor and supply line, replace faulty sensor			E	1
030032	ZE 0: LMB One angle sensor derrick faulty/not present Load display if necessary imprecise Check sensor and supply line, replace faulty sensor			E	1
030040	ZE 0: LMB no standard table defined for this crane program stop Install new program memory card with corrected tables			B	3
030041	ZE 0: LMB all data for actual operation mode not available program stop Install new program memory card with corrected tables			B	3
030042	ZE 0: LMB no valid control word in this table program stop Install new program memory card with corrected tables			B	3
03004A	ZE 0: LMB Pull test bracket 1A left erroneous/missing (not active) F1-Force imprecise, load display possibly imprecise Check sensor and supply line, replace faulty sensor			E	1
03004B	ZE 0: LMB Pull test bracket 1B right erroneous/missing (not active) F1-Force imprecise, load display possibly imprecise Check sensor and supply line, replace faulty sensor			E	1
03004C	ZE 0: LMB Pull test bracket 1A left reports internal error F1-Force imprecise, load display possibly imprecise replace sensor immediately			E	1
03004D	ZE 0: LMB Pull test bracket 1B left reports internal error F1-Force imprecise, load display possibly imprecise replace sensor immediately			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030050	ZE 0: LMB no load chart displayed acoustical signal on actuation of OK-key, no modification in operation program select valid load chart through short-code or function keys F2-F6 and confirm with ENTER			B	1
030051	ZE 0: LMB external information (e.g. slewing platform bolting) missing load chart cannot be entered through OK-key activate slewing platform lock, if necessary check connection to end of stroke switch, or select another load chart			B	1
030052	ZE 0: LMB re-fitting with load more than 0.5t and utilization larger 20% load chart cannot be entered through OK-key put load to ground or switch crane off and on again			B	1
030053	ZE 0: LMB MAN-/AUTO-change-over blocked, unbolt cylinder/tele selected, MS switch-over on manual operation prevented as cylinder or tele not pinned approach pre-selected telescoping target in automatic operation mode (bolt cylinder or tele)			B	1
030054	ZE 0: LMB no new telescoping objective, cylinder/tele unbolting selected, MS modification of telesc. objective prevented- cylinder/tele bolting switch not "0" set or MS "telescoping switch over switch to "0" position and release MS "telescoping"			B	1
030064	ZE 0: LMB measured overall torque smaller than half torque without charge LMB-Stop: Load torque increasing movements cannot be affected move boom out of danger zone or check sensor (angle-, pressure-, length),if load or radius indication incorrect			B	2
030065	ZE 0: LMB computation-bound program part will no longer run LMB-Stop: Load torque increasing movements cannot be affected on starting, the set-up equipment program key was pressed			B	2
030079	ZE 0: LMB STOP, adjusted op. mode and crane configuration not identical LMB-Stop: Load torque increasing movements cannot be affected set up crane according to selected operation mode			B	2
030080	ZE 0: LMB Wind speed transmitter main boom faulty/not present error report only Connect sensor, or check sensor or supply line			B	1
030081	ZE 0: LMB Wind speed transmitter accessories faulty/not present error report only Connect sensor, or check sensor or supply line			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030082	ZE 0: LMB Wind speed transmitter 3 main boom faulty/not present error report only Connect sensor, or check sensor or supply line			B	1
030083	ZE 0: LMB Wind speed transmitter 3 accessories faulty/not present error report only Connect sensor, or check sensor or supply line			B	1
030084	ZE 0: LMB Wind speed transmitter 1A reports internal error error report only replace sensor immediately			E	1
030085	ZE 0: LMB Wind speed transmitter 1B reports internal error error report only replace sensor immediately			E	1
030086	ZE 0: LMB Wind speed transmitter 2A reports internal error error report only replace sensor immediately			E	1
030087	ZE 0: LMB Wind speed transmitter 2B reports internal error error report only replace sensor immediately			E	1
030088	ZE 0: LMB Wind speed transmitter 3 main boom reports internal error error report only replace sensor immediately			E	1
030089	ZE 0: LMB Wind speed transmitter 3 accessory reports internal error error report only replace sensor immediately			E	1
030090	ZE 0: LMB Hoist limit switch 1A reports internal error error report only replace sensor immediately			E	1
030091	ZE 0: LMB Hoist limit switch 1B reports internal error error report only replace sensor immediately			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030092	ZE 0: LMB Hoist limit switch 2A reports internal error error report only replace sensor immediately			E	1
030093	ZE 0: LMB Hoist limit switch 2B reports internal error error report only replace sensor immediately			E	1
030094	ZE 0: LMB Hoist limit switch 3 main boom reports internal error error report only replace sensor immediately			E	1
030095	ZE 0: LMB Hoist limit switch 3 accessory reports internal error error report only replace sensor immediately			E	1
030096	ZE 0: LMB Jib, flap and overtopping guard struts in danger of colliding report of error, shut-down through application Luff down jib			B	1
030097	ZE 0: LMB Load utilisa >95% and dropping of load when luffing up main boom report of error, shut-down through application Reduce utilisation, if necessary luff up via jib			B	1
030098	ZE 0: LMB 2 front supports are heavily loaded, danger of tipping to the rear error report only Load supports evenly			B	1
030099	ZE 0: LMB 2 supports are heavily loaded, danger of tipping error report only Load supports evenly			B	1
030100	ZE 0: LMB STOP, main boom not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030101	ZE 0: LMB STOP, jib not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030102	ZE 0: LMB STOP, derrick not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030103	ZE 0: LMB STOP, counterweight carriage not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030104	ZE 0: LMB STOP, suspended counterweight not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030105	ZE 0: LMB Main boom mounted?, pilot contact<>Bus sensor, condition faulty LMB-Stop: Load torque increasing movements cannot be affected Check pilot contact signals and active LSB sensor of mounted assemblies			E	2
030106	ZE 0: LMB Jib mounted?, pilot contact<>Bus sensor, condition faulty LMB-Stop: Load torque increasing movements cannot be affected Check pilot contact signals and active LSB sensor of mounted assemblies			E	2
030107	ZE 0: LMB Derrick mounted?, pilot contact<>Bus sensor, condition faulty LMB-Stop: Load torque increasing movements cannot be affected Check pilot contact signals and active LSB sensor of mounted assemblies			E	2
030108	ZE 0: LMB Hoist limit switch mast stub has incorrect LSB-address LMB-Stop: Load torque increasing movements cannot be affected Connect sensor, or check sensor or supply line			E	2
030109	ZE 0: LMB Mast stub, press. < minimum press., load display incorrect, DANGER! LMB-Stop: Load torque increasing movements cannot be affected Check sensor, measuring cylinder for leaks			E	2
030114	ZE 0: LMB STOP, hoist limit switch 1A faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030115	ZE 0: LMB STOP, hoist limit switch 1B faulty/not present error report only Connect sensor, or check sensor or supply line			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030116	ZE 0: LMB STOP, hoist limit switch 2A faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030117	ZE 0: LMB STOP, hoist limit switch 2B faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030118	ZE 0: LMB STOP, hoist limit switch 3 main boom faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030119	ZE 0: LMB STOP, hoist limit switch 3 accessory faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030133	ZE 0: LMB fly jib retaining cylinder inferior minimal pressure LMB-Stop: Load torque increasing movements cannot be affected Check overtopping guard cylinder for leaks, or check pressure transducer and replace if necessary			B	2
030134	ZE 0: LMB fly jib retaining cylinder exceeds maximum pressure LMB-Stop: Load torque increasing movements cannot be affected Check pressure and position of overtopping guard cylinder, or check pressure transducer and replace if necessary			B	2
030135	ZE 0: LMB permissible deviation of data A/B tension meas. bracket 1 exceeded LMB-Stop: Load torque increasing movements cannot be affected check connecting brackets or power supply, different stress flow into both connecting brackets possible			B	2
030136	ZE 0: LMB permissible deviation of data A/B tension meas. bracket 2 exceeded LMB-Stop: Load torque increasing movements cannot be affected check connecting brackets or power supply, different stress flow into both connecting brackets possible			B	2
030137	ZE 0: LMB permissible deviation of data A/B tension meas. bracket 3 exceeded LMB-Stop: Load torque increasing movements cannot be affected check connecting brackets or power supply, different stress flow into both connecting brackets possible			B	2
030138	ZE 0: LMB STOP, permissible deviation press. tran. mast stub 6 A/B exceeded LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030139	ZE 0: LMB STOP, permissible deviation pressure transducer jib-RFP exceeded LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030147	ZE 0: LMB working radius list in load chart with incorrect value LMB-Stop: Load torque increasing movements cannot be affected install new data memory card with corrected charts			B	2
030148	ZE 0: LMB actual working radius too small, not in chart LMB-Stop: Load torque increasing movements cannot be affected take care when luffing down to chart area while assembly mode selected			B	2
030149	ZE 0: LMB actual working radius too large, not in chart LMB-Stop: Load torque increasing movements cannot be affected take care with "luffing up when overloaded" when luffing up into chart area			B	2
030150	ZE 0: LMB crane stands in impermissible length-/angle position LMB-Stop: Load torque increasing movements cannot be affected conduct boom in permissible position referred to length, boom angle, bolting condition and fly jib angle			B	2
030151	ZE 0: LMB unknown access type to load chart LMB-Stop: Load torque increasing movements cannot be affected install new data memory card with corrected charts			B	2
030152	ZE 0: LMB no table exists for actual crane configuration LMB-Stop: Load torque increasing movements cannot be affected purchase additional load charts, install new data memory card with corrected charts			B	2
030170	ZE 0: LMB STOP, Dummy plug/plug mast stub main boom faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Plug in dummy plug mast stub-plug			B	2
030171	ZE 0: LMB STOP, Dummy plug/plug mast stub accessory faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Plug in dummy plug mast stub-plug			B	2
030180	ZE 0: LMB STOP, Difference between angle sensors main boom too great LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030181	ZE 0: LMB STOP, Difference between angle sensors A/B derrick too great LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030182	ZE 0: LMB difference between angle sensor cylinder lower/upper too great LMB-Stop: Load torque increasing movements cannot be affected retrieve crane deflection through unloading, or check both angle sensors or their lines			B	2
030188	ZE 0: LMB STOP, several angler sensors main boom/jib faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030189	ZE 0: LMB STOP, both angle sensors derrick faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030190	ZE 0: LMB angle sensor error: load, reach, pulley head height indication defect LMB-Stop: Load torque increasing movements cannot be affected check LSB-connection, angle sensor			E	2
030191	ZE 0: LMB STOP, both draw-meas. conn plates for load weigh faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030192	ZE 0: LMB STOP, both press. tran. load weighing mast stub faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030193	ZE 0: LMB STOP, several press. tran. derrick ballast weigh. faulty/not presen LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030194	ZE 0: LMB STOP, all press. tran. overtop. guard cylinder jib faulty/not prese LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030195	ZE 0: LMB Impermissible angle sensor from main boom or accessory active LMB-Stop: Load torque increasing movements cannot be affected Incorrect boom mounted, incorrect operation type selected or angle sensor has incorrect LSB address			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
03019A	ZE 0: LMB STOP, both pull test brackets 1 A und 1B erroneous/missing LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030200	ZE 0: LMB STOP, crane correspondent table over-equipped control-Stop: even in operation mode crane movements cannot be affected enter chart according to mounted equipment			B	2
030201	ZE 0: LMB All movements STOP, Crawler assembly selected with mounted boom control-Stop: even in operation mode crane movements cannot be affected Select correct switch position			B	2
030202	ZE 0: LMB All movements STOP, jib over-equipped control-Stop: even in operation mode crane movements cannot be affected Disassemble surplus assemblies			B	2
030203	ZE 0: LMB All movements STOP, derrick over equipped control-Stop: even in operation mode crane movements cannot be affected Disassemble surplus assemblies			B	2
030204	ZE 0: LMB STOP, Ballast trailer overequipped LMB-Stop: Load torque increasing movements cannot be affected Disassemble surplus assemblies			B	2
030205	ZE 0: LMB STOP, susp. ballast overequipped LMB-Stop: Load torque increasing movements cannot be affected Disassemble surplus assemblies			B	2
030206	ZE 0: LMB STOP, LSB-sensor from various mast stubs simultaneously active LMB-Stop: Load torque increasing movements cannot be affected Check affiliated LSB sensor			B	2
030231	ZE 0: LMB STOP, SLK limit switch signal lower Pos. does not match angle sensors LMB-Stop: Load moment increasing movements cannot be run (error is self retaining as long as crane is turned on) Check SLK- limit switch for lower operating range and all angle sensor on boom, replace if necessary			B	2
030241	ZE 0: LMB STOP, overflow with calculation LMB-Stop: Load torque increasing movements cannot be affected Check sensor values, manual adjustments and actual crane condition, if necessary inform after-sales-service			B	3

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030245	ZE 0: LMB STOP, internal memory error/program part implausible LMB-Stop: Load torque increasing movements cannot be affected Read error report/display in LICCON test system special diagram "LMB - ERRORS", inform after-sales service			E	3
033E41	ZE 0: Switch cabinet LMB-bypass-emerg. or cont. actuation or Short circuit after Ubatt			E	2
034039	ZE 0: instruments crane operators cab Seat contact operated permanently or short circuit after power supply			E	1
03403C	ZE 0: instruments crane operators cab Assembly continuous actuation or short circuit aft.supply current			E	1
03403D	ZE 0: instruments crane operators cab LMB-bypass cont. actuation or short circuit after Ubatt			E	1
03403F	ZE 0: instruments crane operators cab Deadman switch continuous actuation or short circuit after Ubatt			E	1
034042	ZE 0: instruments crane operators cab Key switch Monitor 2 cont. actuation or short circuit after Ubatt			E	2
03433E	ZE 0: instruments armrest left Luffing in with susp. load cont. act. or short circuit after Ubatt			E	1
035802	ZE 0: operation slewing Shut-down counterweight on ground Operation conditional switch off, may not be shunted If possible raise the wheels via lifting the load or reducing the mounted suspended counterweight			B	
035803	ZE 0: operation slewing Shut-down support counterweight carriage is not retracted Operation conditional switch off, may not be shunted Retract support cylinder counterweight carriage completely			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
035804	ZE 0: operation slewing Shut-down wheels counterweight carriage not in rotary position Operation conditional switch off, may not be shunted With the pre-selection key "Rotary travel BW" turn the wheels of the counterweight carriage (BW) into turning position			B	
035805	ZE 0: operation slewing Shut-down swing with parallel travel count. carriage not possible Operation conditional switch off, may not be shunted With the pre-selection key "Rotary travel BW" turn the wheels of the counterweight carriage (BW) into turning position			B	
035808	ZE 0: operation slewing shut-down slewing right working area limitation ABB operational shut down slew left until crane is in working area again - shunting through shut-down of working area limitation			B	
035809	ZE 0: operation slewing shut-down slewing left working area limitation ABB operational shut down slew right until crane is in working area again - shunting through shut-down of working area limitation			B	
035810	ZE 0: operation slewing Shut-down free swing gear working area limitation ABB is active operational shut down slew right until crane is in working area again - shunting through shut-down of working area limitation			B	
035819	ZE 0: operation slewing no or invalid operation mode shut-down Operation conditional switch off, may not be shunted eliminate error see corresponding system error			B	
035820	ZE 0: operation slewing shut-down slewing right LMB operational shut down slew left until crane is within support area again - shut-down can be shunted (danger)			B	
035821	ZE 0: operation slewing shut-down slewing left LMB operational shut down slew right until crane is within support area again - shut-down can be shunted (danger)			B	
035822	ZE 0: operation slewing Shut-down right-hand swing maximum load exceeded operational shut down Turn left until crane once again within the support area or reduce load - shut-down may be shunted (danger)			B	
035823	ZE 0: operation slewing Shut-down left-hand swing maximum load exceeded operational shut down Turn right until crane once again within the support area or reduce load - shut-down may be shunted (danger)			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
035824	ZE 0: operation slewing Shut-down free swing gear swing area limitation load is on operational shut down Select load chart without swing area monitoring			B	
03582B	ZE 0: operation slewing Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Fix cause of "LMB Stop", see error message			B	
035831	ZE 0: operation slewing Master switch 2 faulty/not present Operation conditional switch off, may not be shunted eliminate error see corresponding system error			B	
035839	ZE 0: operation slewing seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
03583E	ZE 0: operation slewing Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1
035854	ZE 0: operation slewing Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted Wind off main boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
035855	ZE 0: operation slewing Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Wind off derrick boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
035870	ZE 0: operation slewing Shut-down lim switch "Count. on ground" vo. left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035871	ZE 0: operation slewing Shut-down lim switch "Count. on ground" vo. right faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035872	ZE 0: operation slewing Shut-down lim switch "Count. on ground" hi. left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
035873	ZE 0: operation slewing Shut-down lim switch "Count. on ground" hi. right faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035874	ZE 0: operation slewing Shut-down limit switch "Support retracted" vo. faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035875	ZE 0: operation slewing Shut-down limit switch "Support retracted" hi. faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035885	ZE 0: operation slewing Shut-down limit switch "RFP Main boom" right faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035886	ZE 0: operation slewing Shut-down limit switch "RFP Main boom" links faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035887	ZE 0: operation slewing Shut-down limit switch "Overtop guard cyl D" right faulty/not prese Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035888	ZE 0: operation slewing Shut-down limit switch "Overtop guard cyl D" left faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
035890	ZE 0: operation slewing Slewing platform not bolted or impermissible bolting condition report of error, otherwise no reaction Correct bolting position, check position ok: -supply, -input LICCON, -sensor line for short-circuit, -sensor			B	1
036941	ZE 0: Operation crane control Emerg. op. crane control switched on Caution shut-down ineffective All crane functions can be operated unlimited - no switch-offs are any longer effective. Switch off emergency operation - Caution increased risk of accident			B	
036942	ZE 0: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
036943	ZE 0: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
037070	ZE 0: operation instruments crane operators cab Master switch 3X has no winch allocated - operation type Output of error, otherwise no reaction. If possible set another operation type.			B	
037071	ZE 0: operation instruments crane operators cab Master switch 3Y has no winch allocated - operation type Output of error, otherwise no reaction. If possible set another operation type.			B	
037072	ZE 0: operation instruments crane operators cab Master switch 3X has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037073	ZE 0: operation instruments crane operators cab Master switch 3Y has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037074	ZE 0: operation instruments crane operators cab Master switch 3Y has no winch allocated - winch 6 is on Winch 6 continues running until master switch 2Y is no longer defected. Do not modulate master switch 2Y any more.			B	
037080	ZE 0: operation instruments crane operators cab Left-hand foot rocker switch - crawler travel gear is not On Output of error, otherwise no reaction. Switch on crawler travel operation.			B	
037081	ZE 0: operation instruments crane operators cab Right-hand foot rocker switch - crawler travel gear is not On Output of error, otherwise no reaction. Switch on crawler travel operation.			B	
037082	ZE 0: operation instruments crane operators cab Master switch MS 3X is disengaged and winch 3 is not mounted Output of error Mount winch 5 or do not defect master switch any more			B	
037083	ZE 0: operation instruments crane operators cab Master switch MS 3X is disengaged and winch 5 is not mounted Output of error Mount winch 3 or do not defect master switch any more			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
037084	ZE 0: operation instruments crane operators cab Master switch MS 3Y is disengaged and winch 4 is not mounted Output of error Mount winch 4 or do not defect master switch any more			B	
037085	ZE 0: operation instruments crane operators cab Master switch MS 4Y is disengaged and crawler is not mounted Output of error Mount crawler or do not defect master switch any more			B	
037086	ZE 0: operation instruments crane operators cab Master switch MS 5Y is disengaged and crawler is not mounted Output of error Mount crawler or do not defect master switch any more			B	
037260	ZE 0: operation instruments armrest right Change-over parallel op. On/Off - winches 1-2 with running winches Winches 1 and 2 running on in parallel or single operation, until master switch 1Y is no longer defected. Do not modulate master switch 1Y any more.			B	
037270	ZE 0: operation instruments armrest right Master switch 1Y has no winch allocated - operation type Output of error, otherwise no reaction. If possible set another operation type.			B	
037271	ZE 0: operation instruments armrest right Master switch 1X has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037272	ZE 0: operation instruments armrest right Master switch 1X has no winch allocated - winch 6 is on Winch 6 continues running until master switch 2Y is no longer defected. Do not modulate master switch 2Y any more.			B	
037280	ZE 0: operation instruments armrest right Master switch MS 1X is disengaged and winch 3 is not mounted Output of error Mount winch 3 or do not defect master switch any more			B	
037281	ZE 0: operation instruments armrest right Master switch MS 1X is disengaged and winch 4 is not mounted Output of error Mount winch 4 or do not defect master switch any more			B	
037282	ZE 0: operation instruments armrest right Master switch MS 1X is disengaged and winch 5 is not mounted Output of error Mount winch 5 or do not defect master switch any more			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
037283	ZE 0: operation instruments armrest right Master switch MS 1Y is disengaged and winch 1 is not mounted Output of error Mount winch 3 or do not defect master switch any more			B	
037284	ZE 0: operation instruments armrest right Master switch MS 1Y is disengaged and winch 2 is not mounted Output of error Mount winch 4 or do not defect master switch any more			B	
037361	ZE 0: operation instruments armrest left Change-over crawler on / off with running winches Winches continue running, until master switches 1X, 2Y, 3X, 3Y are no longer defected. D not modulate master switches 1X, 2Y, 3X, 3Y any more.			B	
037362	ZE 0: operation instruments armrest left Change-over crawler on / off with running crawler Crawler continues travelling, until master switch 4Y and 5Y are no longer defected. Do not modulate master switches 4Y and 5Y any more.			B	
037373	ZE 0: operation instruments armrest left Master switch 2Y has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037374	ZE 0: operation instruments armrest left Master switch 2Y has no winch allocated - winch 4 is on Winch 4 continues running, until master switch 1X or 3Y is no longer defected. Do not modulate master switch 1X or 3Y any more.			B	
037385	ZE 0: operation instruments armrest left Master switch MS 2Y is disengaged and winch 2 is not mounted Output of error Mount winch 5 or do not defect master switch any more			B	
037386	ZE 0: operation instruments armrest left Master switch MS 2Y is disengaged and winch 5 is not mounted Output of error Mount winch 3 or do not defect master switch any more			B	
037387	ZE 0: operation instruments armrest left Master switch MS 2Y is disengaged and winch 6 is not mounted Output of error Mount winch 4 or do not defect master switch any more			B	
100001	ZE 1: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
100002	ZE 1: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
100006	ZE 1: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
100007	ZE 1: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
100010	ZE 1: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
100011	ZE 1: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
100012	ZE 1: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
100013	ZE 1: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
100014	ZE 1: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped			E	2
100015	ZE 1: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped			E	2
100016	ZE 1: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
100017	ZE 1: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped			E	2
100018	ZE 1: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
100019	ZE 1: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
100020	ZE 1: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2
100021	ZE 1: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
100022	ZE 1: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
100023	ZE 1: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2
100024	ZE 1: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped			E	2
100025	ZE 1: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped			E	2
100026	ZE 1: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
100030	ZE 1: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped			E	2
100041	ZE 1: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped			E	2
100044	ZE 1: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped			E	2
100045	ZE 1: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped			E	2
100046	ZE 1: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped			E	2
100047	ZE 1: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped			E	2
100048	ZE 1: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped			E	2
100049	ZE 1: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
100050	ZE 1: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped			E	2
100051	ZE 1: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
100052	ZE 1: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped			E	2
100053	ZE 1: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
100054	ZE 1: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
100055	ZE 1: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2
100056	ZE 1: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2
100057	ZE 1: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
100058	ZE 1: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
100059	ZE 1: system error OS-HC11 (observe parameters) subroutine not reenterant entry in error memory, all crane movements will be stopped			E	2
100060	ZE 1: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
100061	ZE 1: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
100062	ZE 1: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
100063	ZE 1: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
100065	ZE 1: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped			E	2
100066	ZE 1: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
100067	ZE 1: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
100068	ZE 1: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
100070	ZE 1: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2
100071	ZE 1: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible			E	2
100072	ZE 1: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible			E	2
100073	ZE 1: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
100074	ZE 1: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped			E	2
100075	ZE 1: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
100076	ZE 1: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
100077	ZE 1: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2
100078	ZE 1: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2
100079	ZE 1: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
100080	ZE 1: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2
100081	ZE 1: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped			E	2
100082	ZE 1: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
100094	ZE 1: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
100095	ZE 1: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
100099	ZE 1: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
102001	ZE 1: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
102002	ZE 1: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
102006	ZE 1: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
102007	ZE 1: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
102020	ZE 1: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
102021	ZE 1: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
102082	ZE 1: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
110012	ZE 1: output 0 short circuit to ground	X71:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110013	ZE 1: output 0 open signal circuits	X71:16		E	1
110014	ZE 1: output 0 short circuit to supply voltage	X71:16		E	1
110054	ZE 1: output 0 short circuit to supply voltage	X71:16		E	1
110058	ZE 1: output 0 positive switching transistor: disruption	X71:16		E	1
110070	ZE 1: output 0 measuring system defect no crane operation possible entry in error list	X71:16		E	1
110071	ZE 1: output 0 short circuit to ground or transistor defect	X71:16		E	1
110072	ZE 1: output 0 outside source feeding	X71:16		E	1
110073	ZE 1: output 0 open circuit or short circuit to supply voltage/ground	X71:16		E	1
110112	ZE 1: output 1 short circuit to ground	X71:17		E	1
110113	ZE 1: output 1 open signal circuits	X71:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110114	ZE 1: output 1 short circuit to supply voltage	X71:17		E	1
110154	ZE 1: output 1 short circuit to supply voltage	X71:17		E	1
110158	ZE 1: output 1 positive switching transistor: disruption	X71:17		E	1
110170	ZE 1: output 1 measuring system defect no crane operation possible entry in error list	X71:17		E	1
110171	ZE 1: output 1 short circuit to ground or transistor defect	X71:17		E	1
110172	ZE 1: output 1 outside source feeding	X71:17		E	1
110173	ZE 1: output 1 open circuit or short circuit to supply voltage/ground	X71:17		E	1
110212	ZE 1: output 2 short circuit to ground	X71:18		E	1
110213	ZE 1: output 2 open signal circuits	X71:18		E	1
110214	ZE 1: output 2 short circuit to supply voltage	X71:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110254	ZE 1: output 2 short circuit to supply voltage	X71:18		E	1
110258	ZE 1: output 2 positive switching transistor: disruption	X71:18		E	1
110270	ZE 1: output 2 measuring system defect no crane operation possible entry in error list	X71:18		E	1
110271	ZE 1: output 2 short circuit to ground or transistor defect	X71:18		E	1
110272	ZE 1: output 2 outside source feeding	X71:18		E	1
110273	ZE 1: output 2 open circuit or short circuit to supply voltage/ground	X71:18		E	1
110312	ZE 1: output 3 short circuit to ground	X71:19		E	1
110313	ZE 1: output 3 open signal circuits	X71:19		E	1
110314	ZE 1: output 3 short circuit to supply voltage	X71:19		E	1
110354	ZE 1: output 3 short circuit to supply voltage	X71:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110358	ZE 1: output 3 positive switching transistor: disruption	X71:19		E	1
110360	ZE 1: output 3 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:19		E	1
110362	ZE 1: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:19		E	1
110363	ZE 1: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:19		E	1
110370	ZE 1: output 3 measuring system defect no crane operation possible entry in error list	X71:19		E	1
110371	ZE 1: output 3 short circuit to ground or transistor defect	X71:19		E	1
110372	ZE 1: output 3 outside source feeding	X71:19		E	1
110373	ZE 1: output 3 open circuit or short circuit to supply voltage/ground	X71:19		E	1
110412	ZE 1: output 4 short circuit to ground	X71:20		E	1
110413	ZE 1: output 4 open signal circuits	X71:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110414	ZE 1: output 4 short circuit to supply voltage	X71:20		E	1
110454	ZE 1: output 4 short circuit to supply voltage	X71:20		E	1
110458	ZE 1: output 4 positive switching transistor: disruption	X71:20		E	1
110460	ZE 1: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:20		E	1
110462	ZE 1: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:20		E	1
110463	ZE 1: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:20		E	1
110470	ZE 1: output 4 measuring system defect no crane operation possible entry in error list	X71:20		E	1
110471	ZE 1: output 4 short circuit to ground or transistor defect	X71:20		E	1
110472	ZE 1: output 4 outside source feeding	X71:20		E	1
110473	ZE 1: output 4 open circuit or short circuit to supply voltage/ground	X71:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110512	ZE 1: output 5 short circuit to ground	X71:21		E	1
110513	ZE 1: output 5 open signal circuits	X71:21		E	1
110514	ZE 1: output 5 short circuit to supply voltage	X71:21		E	1
110554	ZE 1: output 5 short circuit to supply voltage	X71:21		E	1
110558	ZE 1: output 5 positive switching transistor: disruption	X71:21		E	1
110570	ZE 1: output 5 measuring system defect no crane operation possible entry in error list	X71:21		E	1
110571	ZE 1: output 5 short circuit to ground or transistor defect	X71:21		E	1
110572	ZE 1: output 5 outside source feeding	X71:21		E	1
110573	ZE 1: output 5 open circuit or short circuit to supply voltage/ground	X71:21		E	1
110612	ZE 1: output 6 short circuit to ground	X71:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110613	ZE 1: output 6 open signal circuits	X71:22		E	1
110614	ZE 1: output 6 short circuit to supply voltage	X71:22		E	1
110654	ZE 1: output 6 short circuit to supply voltage	X71:22		E	1
110658	ZE 1: output 6 positive switching transistor: disruption	X71:22		E	1
110670	ZE 1: output 6 measuring system defect no crane operation possible entry in error list	X71:22		E	1
110671	ZE 1: output 6 short circuit to ground or transistor defect	X71:22		E	1
110672	ZE 1: output 6 outside source feeding	X71:22		E	1
110673	ZE 1: output 6 open circuit or short circuit to supply voltage/ground	X71:22		E	1
110712	ZE 1: output 7 short circuit to ground	X71:23		E	1
110713	ZE 1: output 7 open signal circuits	X71:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110714	ZE 1: output 7 short circuit to supply voltage	X71:23		E	1
110754	ZE 1: output 7 short circuit to supply voltage	X71:23		E	1
110758	ZE 1: output 7 positive switching transistor: disruption	X71:23		E	1
110770	ZE 1: output 7 measuring system defect no crane operation possible entry in error list	X71:23		E	1
110771	ZE 1: output 7 short circuit to ground or transistor defect	X71:23		E	1
110772	ZE 1: output 7 outside source feeding	X71:23		E	1
110773	ZE 1: output 7 open circuit or short circuit to supply voltage/ground	X71:23		E	1
114959	ZE 1: all output supply voltage missing	X71		E	1
115059	ZE 1: output group 0 supply voltage missing	X71:12		E	1
115159	ZE 1: output group 1 supply voltage missing	X71:24		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
115259	ZE 1: output group 2 supply voltage missing	X71:25		E	1
115359	ZE 1: output group 3 supply voltage missing	X71:13		E	1
120004	ZE 1: LSB participant address 0 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
120005	ZE 1: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
120018	ZE 1: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
120050	ZE 1: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
120051	ZE 1: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
120053	ZE 1: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
120054	ZE 1: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
120064	ZE 1: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120065	ZE 1: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
120066	ZE 1: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
120067	ZE 1: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
120104	ZE 1: LSB participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
120105	ZE 1: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
120118	ZE 1: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
120150	ZE 1: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
120151	ZE 1: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
120153	ZE 1: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
120154	ZE 1: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120164	ZE 1: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
120165	ZE 1: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
120166	ZE 1: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
120167	ZE 1: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
120404	ZE 1: LSB participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
120405	ZE 1: LSB participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
120418	ZE 1: LSB participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
120450	ZE 1: LSB participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
120451	ZE 1: LSB participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
120453	ZE 1: LSB participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120454	ZE 1: LSB participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
120464	ZE 1: LSB participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
120465	ZE 1: LSB participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
120466	ZE 1: LSB participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
120467	ZE 1: LSB participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
120504	ZE 1: LSB participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
120505	ZE 1: LSB participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
120518	ZE 1: LSB participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
120550	ZE 1: LSB participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
120551	ZE 1: LSB participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120553	ZE 1: LSB participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
120554	ZE 1: LSB participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
120564	ZE 1: LSB participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
120565	ZE 1: LSB participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
120566	ZE 1: LSB participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
120567	ZE 1: LSB participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
120704	ZE 1: LSB participant address 7 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
120705	ZE 1: LSB participant address 7 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
120718	ZE 1: LSB participant address 7 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
120750	ZE 1: LSB participant address 7 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120751	ZE 1: LSB participant address 7 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
120753	ZE 1: LSB participant address 7 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
120754	ZE 1: LSB participant address 7 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
120764	ZE 1: LSB participant address 7 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
120765	ZE 1: LSB participant address 7 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
120766	ZE 1: LSB participant address 7 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
120767	ZE 1: LSB participant address 7 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
121004	ZE 1: LSB participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
121005	ZE 1: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
121018	ZE 1: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121050	ZE 1: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
121051	ZE 1: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
121053	ZE 1: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
121054	ZE 1: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
121064	ZE 1: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
121065	ZE 1: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
121066	ZE 1: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
121067	ZE 1: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
121104	ZE 1: LSB participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
121105	ZE 1: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121118	ZE 1: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
121150	ZE 1: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
121151	ZE 1: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
121153	ZE 1: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
121154	ZE 1: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
121164	ZE 1: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
121165	ZE 1: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
121166	ZE 1: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
121167	ZE 1: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
121204	ZE 1: LSB participant address 12 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121205	ZE 1: LSB participant address 12 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
121218	ZE 1: LSB participant address 12 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
121250	ZE 1: LSB participant address 12 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
121251	ZE 1: LSB participant address 12 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
121253	ZE 1: LSB participant address 12 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
121254	ZE 1: LSB participant address 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
121264	ZE 1: LSB participant address 12 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
121265	ZE 1: LSB participant address 12 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
121266	ZE 1: LSB participant address 12 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
121267	ZE 1: LSB participant address 12 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121804	ZE 1: LSB participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
121805	ZE 1: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
121818	ZE 1: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
121850	ZE 1: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
121851	ZE 1: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
121853	ZE 1: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
121854	ZE 1: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
121864	ZE 1: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
121865	ZE 1: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
121866	ZE 1: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121867	ZE 1: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
122304	ZE 1: LSB participant address 23 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635A:z14/z16		E	1
122305	ZE 1: LSB participant address 23 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
122318	ZE 1: LSB participant address 23 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0
122350	ZE 1: LSB participant address 23 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
122351	ZE 1: LSB participant address 23 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
122353	ZE 1: LSB participant address 23 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
122354	ZE 1: LSB participant address 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
122364	ZE 1: LSB participant address 23 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635A:z14/z16		E	1
122365	ZE 1: LSB participant address 23 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
122366	ZE 1: LSB participant address 23 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
122367	ZE 1: LSB participant address 23 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
123252	ZE 1: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635A:z14/z16		E	0
123255	ZE 1: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635A:z14/z16		E	2
123256	ZE 1: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635A:z14/z16		E	2
123257	ZE 1: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635A:z14/z16		E	1
123258	ZE 1: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635A:z14/z16		E	0
123259	ZE 1: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635A:z14/z16		E	0
123260	ZE 1: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635A:z14/z16		E	2
123261	ZE 1: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
123262	ZE 1: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635A:z14/z16		E	2
124814	ZE 1: input 0 short circuit to supply voltage Output of error Check: the sensor line for short-circuits, faulty sensors by pulling out the sensor, connections to the input plate	X635A:d2		E	1
124856	ZE 1: input 0 open circuit or short circuit to ground Output of error Check: Supply voltage, input LICCON, sensor lines for interruptions, faulty sensors by pulling out the sensor	X635A:d2		E	1
124914	ZE 1: input 1 short circuit to supply voltage Output of error Check: the sensor line for short-circuits, faulty sensors by pulling out the sensor, connections to the input plate	X635A:d4		E	1
124956	ZE 1: input 1 open circuit or short circuit to ground Output of error Check: Supply voltage, input LICCON, sensor lines for interruptions, faulty sensors by pulling out the sensor	X635A:d4		E	1
125814	ZE 1: input 10 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d22		E	1
125856	ZE 1: input 10 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d22		E	1
126114	ZE 1: input 13 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d28		E	1
126156	ZE 1: input 13 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d28		E	1
126214	ZE 1: input 14 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d30		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
126256	ZE 1: input 14 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d30		E	1
126314	ZE 1: input 15 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d32		E	1
126356	ZE 1: input 15 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d32		E	1
130008	ZE 1: LMB Winch 3 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1
130009	ZE 1: LMB Winch 4 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1
130010	ZE 1: LMB Winch 5 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1
130011	ZE 1: LMB Winch 6 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1
130017	ZE 1: LMB Pressure transducer overtop guard cyl derrick faulty/not present error report only Check sensor and supply line, replace faulty sensor			E	1
130018	ZE 1: LMB Measuring signal derrick implausible (moment to the rear) error report only Check meas. points 1,3,4,5, angle sensor derr, pressure transducer RFP derr, length indic derr count and replace if nec.			B	1
130019	ZE 1: LMB Measuring signal derrick implausible (moment to the front) error report only Check meas. points 1,3,4,5, angle sensor derr, pressure transducer RFP derr, length indic derr count and replace if nec.			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
130020	ZE 1: LMB B-guide frame not definitely bolted front or rear Derrick counterweight radius has poss. been calculated short for front bolting point, load will poss. be reduced Check dummy plug signals			B	1
130021	ZE 1: LMB Derrick ballast input value outside of permissible area error report only Set correct value			B	1
130022	ZE 1: LMB Derrick ballast input not possible, master switch disengaged error report only Put all master switches in zero position			B	1
130065	ZE 1: LMB computation-bound program part will no longer run LMB-Stop: Load torque increasing movements cannot be affected on starting, the set-up equipment program key was pressed			B	2
130126	ZE 1: LMB STOP, press. tran. count. R measuring point 4A faulty/not present Weighed derrick counterweight is imprecise and LMB-Stop: Load moment increased movements not operable Check sensor and supply line, replace faulty sensor			E	2
130127	ZE 1: LMB STOP, press. tran. count. R measuring point 4B faulty/not present Weighed derrick counterweight is imprecise and LMB-Stop: Load moment increased movements not operable Check sensor and supply line, replace faulty sensor			E	2
130128	ZE 1: LMB STOP, press. tran. count. K measuring point 5 faulty/not present Weighed derrick counterweight is imprecise and LMB-Stop: Load moment increased movements not operable Check sensor and supply line, replace faulty sensor			E	2
130129	ZE 1: LMB STOP, length indicator derrick counterweight faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
130158	ZE 1: LMB Derrick ballast, weighing and entry implausible LMB-Stop: Load torque increasing movements cannot be affected Check derrick counterweight input value, check sensor for derrick counterweight weighing + length indicator			B	2
130159	ZE 1: LMB Derrick angle not in permissible derrick angle window LMB-Stop: Load torque increasing movements cannot be affected Luff derrick into permissible angle area			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
130183	ZE 1: LMB STOP, Difference between derrick ballast force A/B too great LMB-Stop: Load torque increasing movements cannot be affected Load both derrick counterweight tensioners evenly			B	2
130241	ZE 1: LMB STOP, overflow with calculation LMB-Stop: Load torque increasing movements cannot be affected Check sensor values, manual adjustments and actual crane condition, if necessary inform after-sales-service			B	3
130245	ZE 1: LMB STOP, internal memory error/program part implausible LMB-Stop: Load torque increasing movements cannot be affected Read error report/display in LICCON test system special diagram "LMB - ERRORS", inform after-sales service			E	3
130610	ZE 1: Data recorder Start: (still) no valid crane number entered Inspect in 10 sec. cycles Write in coefficients incl. crane number in the NT in "CRANE COMMISSIONING " program (MO > AK)			E	1
130611	ZE 1: Data recorder Start: Crane number faulty (not 9 figures numerically) Data recorder software stops - no documentation possible! Define crane number correctly (Sxxxxxxx.yyQ - KNFttt00vvrr.Q)			E	1
130612	ZE 1: Data recorder Start: not connected Data recorder software stops - no documentation possible! Connect data logger correctly			E	1
130620	ZE 1: Data recorder Init: Firmware version incorrect/faulty Has not yet been checked!			E	1
130621	ZE 1: Data recorder Init: ATA-card not initialised STATUS-error: Data recorder software stops - no documentation possible! Initialise ATA card with PC-Software "LICCON Manager"			E	1
130622	ZE 1: Data recorder Init: ATA-card contains different crane number STATUS-error: Data recorder software stops - no documentation possible! Use ATA card with correct crane number or newly initialised ATA card			E	1
130623	ZE 1: Data recorder Init: Format-File-Transfer faulty Repeat of Format-File transfers in 1 sec. cycles If necessary correct types and country specific Format-File "Lnnttt01vvrr.Q" in EPROM 0			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
130630	ZE 1: Data recorder Transfer: Data transmission faulty Repeat of data transfers in 1 sec. cycles If necessary check connection from LICCON system to data recorder			E	1
130631	ZE 1: Data recorder Transfer: CSM-protocol error Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder			E	1
130632	ZE 1: Data recorder Transfer: Transmission error (CRC) Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder			E	1
130633	ZE 1: Data recorder Transfer: STATUS-error Dependent upon STATUS in 1 sec. cycles synchronise anew or stop data recorder software If necessary check connection from LICCON system to data recorder			E	1
130634	ZE 1: Data recorder Transfer: TAN-error Synchronise CSM protocol again completely If necessary check connection from LICCON system to data recorder			E	1
130635	ZE 1: Data recorder Transfer: Writing error Synchronise CSM protocol again completely If necessary check connection from LICCON-System to data recorder and ATA card			E	1
130636	ZE 1: Data recorder Transfer: No recorder data (SPS-Handshake) LICCON-data logger software tries again in 1 sec. cycle Check function of SPS software			E	1
136900	ZE 1: Operation crane control Shut-down assembly cylinder without or with invalid operation type Output of error, shut-down via application. Set correct operation type or disassemble accessory part - shut-down may not be shunted.			B	
136901	ZE 1: Operation crane control Shut-down assembly cylinder master switch 2 faulty / not present Output of error, shut-down via application. Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
136942	ZE 1: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
136943	ZE 1: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
161001	E/A-Modul 1: system error OS-C167 initialising error processor-register erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
161002	E/A-Modul 1: system error OS-C167 initialising error test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
161006	E/A-Modul 1: system error OS-C167 initialising error RAM erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
161013	E/A-Modul 1: system error OS-C167 test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
161016	E/A-Modul 1: system error OS-C167 system-, driver-watchdog expired error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
161068	E/A-Modul 1: system error OS-C167 impermissible interrupt error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
161071	E/A-Modul 1: system error OS-C167 Invalid configuration or Firmware error indication on display re-load Software from ZE			E	2
161080	E/A-Modul 1: system error OS-C167 fatal internal software error error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
161082	E/A-Modul 1: system error OS-C167 hardware-watchdog erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
161088	E/A-Modul 1: system error OS-C167 Configuration does not match software condition error indication on display Comparison SW-condition EAM-SW and configuration LICCON different, check LICCON-configuration, download EAM			E	2
161089	E/A-Modul 1: system error OS-C167 Incorrect version of firmware installed Error output, possible error functions of module Replace module, reload firmware			E	1
161090	E/A-Modul 1: system error OS-C167 Incorrect hardware version recognised Error output, possible error functions of module Replace module			E	1
172052	E/A-Modul 1: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:17		E	1
172053	E/A-Modul 1: input/output DEA0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:17		E	1
172054	E/A-Modul 1: input/output DEA0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:17		E	1
172055	E/A-Modul 1: input/output DEA0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:17		E	1
172152	E/A-Modul 1: input/output DEA1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:15		E	1
172153	E/A-Modul 1: input/output DEA1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:15		E	1
172154	E/A-Modul 1: input/output DEA1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:15		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
172155	E/A-Modul 1: input/output DEA1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:15		E	1
172252	E/A-Modul 1: input/output DEA2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:13		E	1
172253	E/A-Modul 1: input/output DEA2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:13		E	1
172254	E/A-Modul 1: input/output DEA2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:13		E	1
172255	E/A-Modul 1: input/output DEA2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:13		E	1
172352	E/A-Modul 1: input/output DEA3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:11		E	1
172353	E/A-Modul 1: input/output DEA3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:11		E	1
172354	E/A-Modul 1: input/output DEA3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:11		E	1
172355	E/A-Modul 1: input/output DEA3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:11		E	1
172452	E/A-Modul 1: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
172453	E/A-Modul 1: input/output DEA4 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:9		E	1
172454	E/A-Modul 1: input/output DEA4 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:9		E	1
172455	E/A-Modul 1: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:9		E	1
172552	E/A-Modul 1: input/output DEA5 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:7		E	1
172553	E/A-Modul 1: input/output DEA5 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:7		E	1
172554	E/A-Modul 1: input/output DEA5 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:7		E	1
172555	E/A-Modul 1: input/output DEA5 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:7		E	1
172652	E/A-Modul 1: input/output DEA6 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:5		E	1
172653	E/A-Modul 1: input/output DEA6 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:5		E	1
172654	E/A-Modul 1: input/output DEA6 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:5		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
172655	E/A-Modul 1: input/output DEA6 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:5		E	1
172752	E/A-Modul 1: input/output DEA7 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:3		E	1
172753	E/A-Modul 1: input/output DEA7 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:3		E	1
172754	E/A-Modul 1: input/output DEA7 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:3		E	1
172755	E/A-Modul 1: input/output DEA7 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:3		E	1
173681	E/A-Modul 1: voltage input E6 short circuit to supply voltage, open line symbol for brake pressure 1 is flashing on the display unit check input signal on the E/A-Modul or sensor	X612:5		E	1
173781	E/A-Modul 1: voltage input E7 short circuit to supply voltage, open line symbol for brake pressure 2 is flashing on the display unit check input signal on the E/A-Modul or sensor	X612:3		E	1
173782	E/A-Modul 1: voltage input E7 short circuit to ground, open line, constant current 10 mA incorrect no reaction check input signal on the E/A-Modul or sensor	X612:3		E	1
173783	E/A-Modul 1: voltage input E7 short circuit to supply voltage, open line, lack of voltage no reaction check input signal on the E/A-Modul or sensor	X612:3		E	1
179052	E/A-Modul 1: output A0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
179053	E/A-Modul 1: output A0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:18		E	1
179054	E/A-Modul 1: output A0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:18		E	1
179055	E/A-Modul 1: output A0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:18		E	1
179152	E/A-Modul 1: output A1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:16		E	1
179153	E/A-Modul 1: output A1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:16		E	1
179154	E/A-Modul 1: output A1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:16		E	1
179155	E/A-Modul 1: output A1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:16		E	1
179250	E/A-Modul 1: bridge output A2 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X613:14		E	1
179251	E/A-Modul 1: bridge output A2 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X613:14		E	1
179252	E/A-Modul 1: bridge output A2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:14		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
179253	E/A-Modul 1: bridge output A2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:14		E	1
179254	E/A-Modul 1: bridge output A2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:14		E	1
179255	E/A-Modul 1: bridge output A2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:14		E	1
179350	E/A-Modul 1: bridge output A3 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X613:12		E	1
179351	E/A-Modul 1: bridge output A3 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X613:12		E	1
179352	E/A-Modul 1: bridge output A3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X613:12		E	1
179353	E/A-Modul 1: bridge output A3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X613:12		E	1
179354	E/A-Modul 1: bridge output A3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X613:12		E	1
179355	E/A-Modul 1: bridge output A3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X613:12		E	1
183401	E/A-Modul 1: SPI-control unit Faulty data transfer E/A-module<>unit (time exceeded) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X614:1/2/3/5/6/ 7/8		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
183402	E/A-Modul 1: SPI-control unit Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X614:1/2/3/5/6/7/8		E	1
183403	E/A-Modul 1: SPI-control unit break in line or short circuit to supply voltage error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X614:1/2/3/5/6/7/8		E	1
183404	E/A-Modul 1: SPI-control unit break in line or short circuit to ground error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X614:1/2/3/5/6/7/8		E	1
183406	E/A-Modul 1: SPI-control unit Data transfer faulty (faulty check byte) error indication on display suppress EMV- interference	X614:1/2/3/5/6/7/8		E	1
183407	E/A-Modul 1: SPI-control unit Unit faulty/missing, incorrect unit inserted (ID) error indication on display check periphery and replace if necessary, check Software version, check EMV- interference	X614:1/2/3/5/6/7/8		E	1
183408	E/A-Modul 1: SPI-control unit Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X614:1/2/3/5/6/7/8		E	1
183900	E/A-Modul 1: Control operating unit (SPI) Faulty initialisation data connection E/A-module<>unit error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X614:1/2/3/5/6/7/8		E	1
183902	E/A-Modul 1: Control operating unit (SPI) Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X614:1/2/3/5/6/7/8		E	1
183905	E/A-Modul 1: Control operating unit (SPI) Initialisation error, resetting inputs/outputs faulty error indication on display check wiring, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X614:1/2/3/5/6/7/8		E	1
183907	E/A-Modul 1: Control operating unit (SPI) Unit faulty/missing, incorrect unit inserted (ID) error indication on display connect functional periphery unit, system then eliminates error independently	X614:1/2/3/5/6/7/8		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
183908	E/A-Modul 1: Control operating unit (SPI) Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X614:1/2/3/5/6/7/8		E	1
184104	E/A-Modul 1: LSB-B participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X613:4/6		E	1
184105	E/A-Modul 1: LSB-B participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X613:4/6		E	1
184118	E/A-Modul 1: LSB-B participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X613:4/6		E	0
184150	E/A-Modul 1: LSB-B participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X613:4/6		E	2
184151	E/A-Modul 1: LSB-B participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X613:4/6		E	2
184153	E/A-Modul 1: LSB-B participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X613:4/6		E	1
184154	E/A-Modul 1: LSB-B participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X613:4/6		E	2
184164	E/A-Modul 1: LSB-B participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X613:4/6		E	1
184165	E/A-Modul 1: LSB-B participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X613:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
184166	E/A-Modul 1: LSB-B participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X613:4/6		E	2
184167	E/A-Modul 1: LSB-B participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X613:4/6		E	1
184204	E/A-Modul 1: LSB-B participant address 2 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X613:4/6		E	1
184205	E/A-Modul 1: LSB-B participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X613:4/6		E	1
184218	E/A-Modul 1: LSB-B participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X613:4/6		E	0
184250	E/A-Modul 1: LSB-B participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X613:4/6		E	2
184251	E/A-Modul 1: LSB-B participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X613:4/6		E	2
184253	E/A-Modul 1: LSB-B participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X613:4/6		E	1
184254	E/A-Modul 1: LSB-B participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X613:4/6		E	2
184264	E/A-Modul 1: LSB-B participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X613:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
184265	E/A-Modul 1: LSB-B participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X613:4/6		E	2
184266	E/A-Modul 1: LSB-B participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X613:4/6		E	2
184267	E/A-Modul 1: LSB-B participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X613:4/6		E	1
184304	E/A-Modul 1: LSB-B participant address 3 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X613:4/6		E	1
184305	E/A-Modul 1: LSB-B participant address 3 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X613:4/6		E	1
184318	E/A-Modul 1: LSB-B participant address 3 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X613:4/6		E	0
184350	E/A-Modul 1: LSB-B participant address 3 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X613:4/6		E	2
184351	E/A-Modul 1: LSB-B participant address 3 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X613:4/6		E	2
184353	E/A-Modul 1: LSB-B participant address 3 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X613:4/6		E	1
184354	E/A-Modul 1: LSB-B participant address 3 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X613:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
184364	E/A-Modul 1: LSB-B participant address 3 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X613:4/6		E	1
184365	E/A-Modul 1: LSB-B participant address 3 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X613:4/6		E	2
184366	E/A-Modul 1: LSB-B participant address 3 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X613:4/6		E	2
184367	E/A-Modul 1: LSB-B participant address 3 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X613:4/6		E	1
184404	E/A-Modul 1: LSB-B participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X613:4/6		E	1
184405	E/A-Modul 1: LSB-B participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X613:4/6		E	1
184418	E/A-Modul 1: LSB-B participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X613:4/6		E	0
184450	E/A-Modul 1: LSB-B participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X613:4/6		E	2
184451	E/A-Modul 1: LSB-B participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X613:4/6		E	2
184453	E/A-Modul 1: LSB-B participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X613:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
184454	E/A-Modul 1: LSB-B participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X613:4/6		E	2
184464	E/A-Modul 1: LSB-B participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X613:4/6		E	1
184465	E/A-Modul 1: LSB-B participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X613:4/6		E	2
184466	E/A-Modul 1: LSB-B participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X613:4/6		E	2
184467	E/A-Modul 1: LSB-B participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X613:4/6		E	1
184504	E/A-Modul 1: LSB-B participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X613:4/6		E	1
184505	E/A-Modul 1: LSB-B participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X613:4/6		E	1
184518	E/A-Modul 1: LSB-B participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X613:4/6		E	0
184550	E/A-Modul 1: LSB-B participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X613:4/6		E	2
184551	E/A-Modul 1: LSB-B participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X613:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
184553	E/A-Modul 1: LSB-B participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X613:4/6		E	1
184554	E/A-Modul 1: LSB-B participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X613:4/6		E	2
184564	E/A-Modul 1: LSB-B participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X613:4/6		E	1
184565	E/A-Modul 1: LSB-B participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X613:4/6		E	2
184566	E/A-Modul 1: LSB-B participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X613:4/6		E	2
184567	E/A-Modul 1: LSB-B participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X613:4/6		E	1
184604	E/A-Modul 1: LSB-B participant address 6 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X613:4/6		E	1
184605	E/A-Modul 1: LSB-B participant address 6 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X613:4/6		E	1
184618	E/A-Modul 1: LSB-B participant address 6 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X613:4/6		E	0
184650	E/A-Modul 1: LSB-B participant address 6 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X613:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
184651	E/A-Modul 1: LSB-B participant address 6 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X613:4/6		E	2
184653	E/A-Modul 1: LSB-B participant address 6 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X613:4/6		E	1
184654	E/A-Modul 1: LSB-B participant address 6 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X613:4/6		E	2
184664	E/A-Modul 1: LSB-B participant address 6 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X613:4/6		E	1
184665	E/A-Modul 1: LSB-B participant address 6 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X613:4/6		E	2
184666	E/A-Modul 1: LSB-B participant address 6 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X613:4/6		E	2
184667	E/A-Modul 1: LSB-B participant address 6 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X613:4/6		E	1
185604	E/A-Modul 1: LSB-B participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X613:4/6		E	1
185605	E/A-Modul 1: LSB-B participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X613:4/6		E	1
185618	E/A-Modul 1: LSB-B participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X613:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
185650	E/A-Modul 1: LSB-B participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X613:4/6		E	2
185651	E/A-Modul 1: LSB-B participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X613:4/6		E	2
185653	E/A-Modul 1: LSB-B participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X613:4/6		E	1
185654	E/A-Modul 1: LSB-B participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X613:4/6		E	2
185664	E/A-Modul 1: LSB-B participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X613:4/6		E	1
185665	E/A-Modul 1: LSB-B participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X613:4/6		E	2
185666	E/A-Modul 1: LSB-B participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X613:4/6		E	2
185667	E/A-Modul 1: LSB-B participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X613:4/6		E	1
187252	E/A-Modul 1: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X613:4/6		E	0
187255	E/A-Modul 1: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X613:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
187256	E/A-Modul 1: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X613:4/6		E	2
187257	E/A-Modul 1: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X613:4/6		E	1
187258	E/A-Modul 1: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X613:4/6		E	0
187259	E/A-Modul 1: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X613:4/6		E	0
187260	E/A-Modul 1: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X613:4/6		E	2
187261	E/A-Modul 1: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X613:4/6		E	2
187262	E/A-Modul 1: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X613:4/6		E	2
187530	E/A-Modul 1: CAN-participant engine Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X615:5/6		E	1
187531	E/A-Modul 1: CAN-participant engine Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X615:5/6		E	1
187630	E/A-Modul 1: CAN-participant gear Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X615:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
187631	E/A-Modul 1: CAN-participant gear Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X615:5/6		E	1
187730	E/A-Modul 1: CAN-participant ABV (ABS/ASR) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X615:5/6		E	1
187731	E/A-Modul 1: CAN-participant ABV (ABS/ASR) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X615:5/6		E	1
187930	E/A-Modul 1: CAN-participant retarder Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X615:5/6		E	1
187931	E/A-Modul 1: CAN-participant retarder Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X615:5/6		E	1
188030	E/A-Modul 1: CAN-user converter clutch unit CCU Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X615:5/6		E	1
188031	E/A-Modul 1: CAN-user converter clutch unit CCU Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X615:5/6		E	1
188530	E/A-Modul 1: CAN-participant E/A-Modul 1 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X615:5/6		E	1
188531	E/A-Modul 1: CAN-participant E/A-Modul 1 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X615:5/6		E	1
188930	E/A-Modul 1: CAN-participant E/A-Modul 5 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X615:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
188931	E/A-Modul 1: CAN-participant E/A-Modul 5 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X615:5/6		E	1
189900	E/A-Modul 1: Control data transfer CAN internal error at Register-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X615:5/6		E	2
189901	E/A-Modul 1: Control data transfer CAN internal error at RAM-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X615:5/6		E	2
189902	E/A-Modul 1: Control data transfer CAN Configuration error Software internal error, CAN-transmission will be aborted replace E/A-Modul, check Software (test system ZE)	X615:5/6		E	2
189903	E/A-Modul 1: Control data transfer CAN Transfer interrupted after continuous error CAN-Transmission will be aborted check bus lines/neutral point, replace neutral point or E/A-Modul	X615:5/6		E	1
189910	E/A-Modul 1: Control data transfer CAN short-term error in bus connection re-attachment of Modul to bus transmission check bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	X615:5/6		E	1
189911	E/A-Modul 1: Control data transfer CAN permanent error bus connection cyclic re-attachment of Modul to bus transmission check bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	X615:5/6		E	1
189920	E/A-Modul 1: Control data transfer CAN active participant not responding parameterised substitute values for receiver signals will be used check error report for missing participant(s), test system ZE	X615:5/6		E	1
189921	E/A-Modul 1: Control data transfer CAN No active subscriber responding parameterised substitute values for receiver signals will be used in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X615:5/6		E	1
189950	E/A-Modul 1: Control data transfer CAN erroneous command test system no reaction to unknown test system control command in CAN-System Software check Software (test system)	X615:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
192001	E/A-Modul 1: control engine long-term disruption E/A-Modul <-> engine control engine control and E/A-Modul at emergency speed engine control and E/A-Modul, check CAN-bus-connections			E	1
192110	E/A-Modul 1: control transmission long-term disruption shift selector operation unit <-> gears transmission control and E/A-Modul (operation unit) in emergency drive program check transmission control and E/A-Modul, CAN-bus-connection			E	1
192111	E/A-Modul 1: control transmission long-term disruption shift selector crane op. cab<-> E/A-Modul no shifting possible			B	
192112	E/A-Modul 1: control transmission long-term disruption connection E/A-Modul <-> operation unit transmission control and E/A-Modul (operation unit) in emergency drive program check connection E/A-Modul<>operation unit, power supplies operation unit; replace E/A- Modul or operation unit			E	1
192113	E/A-Modul 1: control transmission error in shift selector keys operation unit: key sticking control system prevents engagement of a gear, check results exclusively after shifting on ignition in case key is activated release (error will be reset), check key or operation unit			E	1
192114	E/A-Modul 1: control transmission shift selector operation unit: D key sticking control system prevents engagement of a gear, check results exclusively after shifting on ignition in case key is activated release (error will be reset), check key or operation unit			E	1
192115	E/A-Modul 1: control transmission shift selector operation unit: N key sticking control system prevents engagement of a gear, check results exclusively after shifting on ignition in case key is activated release (error will be reset), check key or operation unit			E	1
192116	E/A-Modul 1: control transmission shift selector operation unit: R key sticking control system prevents engagement of a gear, check results exclusively after shifting on ignition in case key is activated release (error will be reset), check key or operation unit			E	1
192117	E/A-Modul 1: control transmission shift selector operation unit: gear+ key sticking control system prevents engagement of a gear, check results exclusively after shifting on ignition in case key is activated release (error will be reset), check key or operation unit			E	1
192118	E/A-Modul 1: control transmission shift selector operation unit: gear- key sticking control system prevents engagement of a gear, check results exclusively after shifting on ignition in case key is activated release (error will be reset), check key or operation unit			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
192119	E/A-Modul 1: control transmission shift selector operation unit: travel program key 1/2 sticking control system prevents engagement of a gear, check results exclusively after shifting on ignition in case key is activated release (error will be reset), check key or operation unit			E	1
192128	E/A-Modul 1: control transmission feedback of off-road gear simultaneously ON and OFF control system prevents disengagement of the off-road gear ON or OFF, remaining in actual position when ignition ON check sensor for acknowledgement(s), check line connections to the E/A-Modul, replace E/A-Modul			E	1
193455	E/A-Modul 1: control lighting amperage indicator erroneous function is not carried out use original incandescent lamps, check indicator system for short to supply voltage			E	1
193456	E/A-Modul 1: control lighting vehicle indicator defective function is not carried out check indicator system			E	1
194051	E/A-Modul 1: Control active rear axle steering Error in program run Error report, value is zeroed E/A-module 1+3+4, LSB, check system-independent steering			E	1
194052	E/A-Modul 1: Control active rear axle steering Checksum faulty Error report, value is zeroed E/A-module 1+3+4, LSB, check system-independent steering			E	1
194081	E/A-Modul 1: Control active rear axle steering Return report steering status right faulty/missing Error report, value is zeroed E/A-module 1+3+4, LSB, check system-independent steering			E	1
194082	E/A-Modul 1: Control active rear axle steering Return report steering status left faulty/missing Error report, value is zeroed E/A-module 1+3+4, LSB, check system-independent steering			E	1
194083	E/A-Modul 1: Control active rear axle steering Return report steering status right/left implausible Error report, value is zeroed E/A-module 1+3+4, LSB, check system-independent steering			E	1
194190	E/A-Modul 1: LSB-bus participant ZE missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
194192	E/A-Modul 1: LSB-bus participant E/A-Modul 2 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
194193	E/A-Modul 1: LSB-bus participant E/A-Modul 3 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
194194	E/A-Modul 1: LSB-bus participant E/A-Modul 4 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
194195	E/A-Modul 1: LSB-bus participant E/A-Modul 5 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
195150	E/A-Modul 1: operation transmission gears in emergency shift selector operation function is not carried out			B	
195151	E/A-Modul 1: operation transmission CAN-connection shift selector <-> gear electronics malfunctioning function is not carried out			B	
195152	E/A-Modul 1: operation transmission connection shift selector <-> keyboard unit malfunctioning function is not carried out			B	
195153	E/A-Modul 1: operation transmission pre-selection not neutral/crane op. cab malfunction <-> E/A-Modul function is not carried out			B	
195154	E/A-Modul 1: operation transmission shift selector out of order: upper-carriage-operation mode function is not carried out			B	
195161	E/A-Modul 1: operation transmission shift selector out of order: key sticking function is not carried out			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
195172	E/A-Modul 1: operation transmission selection of travel direction prevented, op. type not recognized function is not carried out			B	
195173	E/A-Modul 1: operation transmission selection of travel dir. prevented, multi-shift selector keys activ. function is not carried out			B	
195174	E/A-Modul 1: operation transmission shift selector out of order when engine OFF function is not carried out			B	
195175	E/A-Modul 1: operation transmission selection of travel dir. prevented, pre-selection in neutral only function is not carried out			B	
195176	E/A-Modul 1: operation transmission selection of travel direction prevented, operation brake not active function is not carried out			B	
195177	E/A-Modul 1: operation transmission Selection of travel direction hindered, accelerator pedal actuated function is not carried out			B	
195179	E/A-Modul 1: operation transmission pre-selection gear+ prevented, maximum gear attained function is not carried out			B	
195180	E/A-Modul 1: operation transmission pre-selection gear+ prevented, rear axle not locked function is not carried out			B	
195182	E/A-Modul 1: operation transmission pre-selection gear+/- prevented, gear in neutral function is not carried out			B	
195183	E/A-Modul 1: operation transmission pre-selection gear- prevented, minimum gear attained function is not carried out			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
195184	E/A-Modul 1: operation transmission pre-selection gear+/- prevented, only possible in manual operation function is not carried out			B	
195185	E/A-Modul 1: operation transmission pre-selection gear+/- prevented, both keys simultaneously activated function is not carried out			B	
195191	E/A-Modul 1: operation transmission Change-over travel program only in D possible No change-over of travel program			B	
195192	E/A-Modul 1: operation transmission Change-over ranging mode possible in gear area "Ranging" only No change-over in ranging mode			B	
195196	E/A-Modul 1: operation transmission Compressed air deficiency switching Possibly no or limited number of switchings possible			B	
195197	E/A-Modul 1: operation transmission Clutch is overloaded no shifting possible			B	
195500	E/A-Modul 1: operation axle suspension function simultaneously ON and OFF function is not carried out do not simultaneously activate contrasting function keys			B	
195501	E/A-Modul 1: operation axle suspension operation of 2-hand-function without activation of 2-hand-key function is not carried out activate both keys simultaneously or start test program of keyboard unit			B	
195503	E/A-Modul 1: operation axle suspension operation from under-carriage without operation mode function is not carried out check entries (15UW, 15OW, 15UWOW) to E/A-Modul 2, check LSB-connection (see electric circuit diagram)			B	
195505	E/A-Modul 1: operation axle suspension operation from under-carriage with upper-carriage operation mode function is not carried out switch over uppercarriage/undercarriage-change-switch to undercarriage operation mode			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
195509	E/A-Modul 1: operation axle suspension unauthorised operation from under-carriage function is not carried out start engine and repeat operation			B	
195570	E/A-Modul 1: operation axle suspension undefined condition: neither blocked nor with suspension function is not carried out check blocked limit switch and buffered limit switch			B	
195571	E/A-Modul 1: operation axle suspension undefined condition: blocked and with suspension function is not carried out check blocked limit switch and buffered limit switch			B	
195572	E/A-Modul 1: operation axle suspension function only possible on condition "axles with suspension" function is not carried out switch axle suspension to suspended and lower axle, then block axles 5+6 and level axle suspension			B	
195573	E/A-Modul 1: operation axle suspension function only possible on condition "axles blocked" function is not carried out switch on axle blocking			B	
195574	E/A-Modul 1: operation axle suspension unauthorised switch-over in condition "axles with suspension" function is not carried out lift blockage of function			B	
195575	E/A-Modul 1: operation axle suspension unauthorised switch-over in condition "axles blocked" function is not carried out lift blockage of function			B	
195601	E/A-Modul 1: operation level/filling/draining operation of 2-hand-function without activation of 2-hand-key function is not carried out activate both keys simultaneously or start test program of keyboard unit			B	
195603	E/A-Modul 1: operation level/filling/draining operation from under-carriage without operation mode function is not carried out check entries (15UW, 15OW, 15UWOW) to E/A-Modul 2, check LSB-connection (see electric circuit diagram)			B	
195605	E/A-Modul 1: operation level/filling/draining operation from under-carriage with upper-carriage operation mode function is not carried out switch over uppercarriage/undercarriage-change-switch to undercarriage operation mode			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
195609	E/A-Modul 1: operation level/filling/draining unauthorised operation from under-carriage function is not carried out start engine and repeat operation			B	
195625	E/A-Modul 1: operation level/filling/draining function with actual travel speed blocked function is not carried out Perform function while vehicle at standstill			B	
195640	E/A-Modul 1: operation level/filling/draining level with blocked axle suspension function is not carried out switch axles to suspended condition			B	
195641	E/A-Modul 1: operation level/filling/draining simultaneous filling and draining selected function is not carried out select either filling or draining			B	
195642	E/A-Modul 1: operation level/filling/draining no individual operation when level function is active function is not carried out only activate level key			B	
195643	E/A-Modul 1: operation level/filling/draining gears not in neutral function is not carried out switch transmission to neutral (N)			B	
195701	E/A-Modul 1: operation axle compensation operation of 2-hand-function without activation of 2-hand-key function is not carried out			B	
195707	E/A-Modul 1: operation axle compensation operation from under-carriage without initialisation function is not carried out			B	
195709	E/A-Modul 1: operation axle compensation unauthorised operation from under-carriage function is not carried out			B	
195747	E/A-Modul 1: operation axle compensation axle long. compensation switchable only if axle suspens. blocked function is not carried out			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
195901	E/A-Modul 1: operation longitudinal lock operation of 2-hand-function without activation of 2-hand-key function is not carried out activate both keys simultaneously or start test program of keyboard unit			B	
195902	E/A-Modul 1: operation longitudinal lock operation from upper-carriage without operation mode function is not carried out check entries (15UW, 15OW, 15UWOW) to E/A-Modul 2, check LSB-connection (see electric circuit diagram)			B	
195903	E/A-Modul 1: operation longitudinal lock operation from under-carriage without operation mode function is not carried out check entries (15UW, 15OW, 15UWOW) to E/A-Modul 2, check LSB-connection (see electric circuit diagram)			B	
195904	E/A-Modul 1: operation longitudinal lock operation from upper-carriage with under-carriage operation mode function is not carried out switch over uppercarriage/undercarriage-change-switch to uppercarriage operation mode			B	
195905	E/A-Modul 1: operation longitudinal lock operation from under-carriage with upper-carriage operation mode function is not carried out switch over uppercarriage/undercarriage-change-switch to undercarriage operation mode			B	
195906	E/A-Modul 1: operation longitudinal lock operation from upper-carriage without initialisation function is not carried out check voltage supply or LSB-connection to E/A-Modul 4			B	
195907	E/A-Modul 1: operation longitudinal lock operation from under-carriage without initialisation function is not carried out check voltage supply or LSB-connection to E/A-Modul 4			B	
195908	E/A-Modul 1: operation longitudinal lock unauthorised operation from upper-carriage function is not carried out start engine and repeat operation			B	
195909	E/A-Modul 1: operation longitudinal lock unauthorised operation from under-carriage function is not carried out start engine and repeat operation			B	
195925	E/A-Modul 1: operation longitudinal lock function with actual travel speed blocked function is not carried out check acknowledgement for off-road gear ON			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
195948	E/A-Modul 1: operation longitudinal lock rear longitudinal locks with no front longitudinal locks selected function is not carried out check acknowledgement for off-road gear ON			B	
195950	E/A-Modul 1: operation longitudinal lock feedback of off-road gear ON missing function is not carried out check acknowledgement for off-road gear ON			B	
195951	E/A-Modul 1: operation longitudinal lock off-road gear switched off function is not carried out switch on off-road gear			B	
195953	E/A-Modul 1: operation longitudinal lock switch-over prevented as axles are raised function is not carried out switch on off-road gear			B	
196001	E/A-Modul 1: operation transversal lock operation of 2-hand-function without activation of 2-hand-key function is not carried out activate both keys simultaneously or start test program of keyboard unit			B	
196003	E/A-Modul 1: operation transversal lock operation from under-carriage without operation mode function is not carried out check entries (15UW, 15OW, 15UWOW) on E/A-Modul 4, check LSB-connection (see electric circuit diagram)			B	
196005	E/A-Modul 1: operation transversal lock operation from under-carriage with upper-carriage operation mode function is not carried out switch over uppercarriage/undercarriage-change-switch to undercarriage operation mode			B	
196007	E/A-Modul 1: operation transversal lock operation from under-carriage without initialisation function is not carried out check voltage supply or LSB-connection to E/A-Modul 4			B	
196009	E/A-Modul 1: operation transversal lock unauthorised operation from under-carriage function is not carried out start engine and repeat operation			B	
196052	E/A-Modul 1: operation transversal lock selection of transversal lock ON with no longitudinal lock selected function is not carried out acivate longitudinal locking			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
196837	E/A-Modul 1: operation instruments operators cab Cross incline larger 1 degree at high pressure and axles blocked			B	
196838	E/A-Modul 1: operation instruments operators cab Maximum flexation at high pressure and axles blocked			B	
197030	E/A-Modul 1: operation heating/air.conditioning switching on air-conditioning only possible with engine running function is not carried out start engine and repeat operation			B	
197182	E/A-Modul 1: operation lighting indicator from upper-carriage in under-carriage operation mode function is not carried out switch over uppercarriage/undercarriage-change-switch to uppercarriage operation mode			B	
197183	E/A-Modul 1: operation lighting indicator from under-carriage in upper-carriage operation mode function is not carried out switch off undercarriage indicator			B	
197184	E/A-Modul 1: operation lighting simultaneous left and right indicator function is not carried out check steering column switch or wiring			B	
197185	E/A-Modul 1: operation lighting hazard lights from upper-carriage and under-carriage function is not carried out switch off warning light			B	
197186	E/A-Modul 1: operation lighting rear fog lamp only with light function is not carried out switch on full beam, dipped light or fog light			B	
198001	E/A-Modul 1: Operation active rear axle steering 2-Hand-Function without actuation of 2-Hand-Key			B	
198003	E/A-Modul 1: Operation active rear axle steering Prevents: no, or faulty operation type set			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
198007	E/A-Modul 1: Operation active rear axle steering Prevents: steering/operation type not initialised			B	
198029	E/A-Modul 1: Operation active rear axle steering Change-over operat. type prevented:several keys actuated / key jamming			B	
198032	E/A-Modul 1: Operation active rear axle steering Function prevented with set operation type			B	
198033	E/A-Modul 1: Operation active rear axle steering Function prevented: Keyboard blocked in OW-operation			B	
198034	E/A-Modul 1: Operation active rear axle steering Change-over operation type prevented: Operation type UW/OW lacking			B	
198036	E/A-Modul 1: Operation active rear axle steering Operating mode at dolly operation not permissible			B	
198037	E/A-Modul 1: Operation active rear axle steering Impermissible operating mode at high pressure			B	
198038	E/A-Modul 1: Operation active rear axle steering Maximum steering angle at high pressure in op. mode crab walk			B	
199890	E/A-Modul 1: operation diagnosis system test program not executable as engine is not OFF function is not carried out			B	
199892	E/A-Modul 1: operation diagnosis system test program not executable as not in under-carriage op. mode function is not carried out			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
199895	E/A-Modul 1: operation diagnosis system start not possible as gears not in neutral function is not carried out			B	
199909	E/A-Modul 1: operation optional device unauthorised operation from under-carriage function is not carried out start engine and repeat operation			B	
199922	E/A-Modul 1: operation optional device function not available in under-carriage operation mode function is not carried out on customers request			B	
199924	E/A-Modul 1: operation optional device no customized function in under-carriage operation mode function is not carried out on customers request			B	
1A0050	LSB-BSE1: LSBA Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0051	LSB-BSE1: LSBA Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0053	LSB-BSE1: LSBA Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0054	LSB-BSE1: LSBA Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0064	LSB-BSE1: LSBA Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0065	LSB-BSE1: LSBA Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0066	LSB-BSE1: LSBA Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0067	LSB-BSE1: LSBA Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0068	LSB-BSE1: LSBA Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A0069	LSB-BSE1: LSBA Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0150	LSB-BSE1: LSBA Participant Adr. 1 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0151	LSB-BSE1: LSBA Participant Adr. 1 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0153	LSB-BSE1: LSBA Participant Adr. 1 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0154	LSB-BSE1: LSBA Participant Adr. 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0164	LSB-BSE1: LSBA Participant Adr. 1 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0165	LSB-BSE1: LSBA Participant Adr. 1 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0166	LSB-BSE1: LSBA Participant Adr. 1 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0167	LSB-BSE1: LSBA Participant Adr. 1 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0168	LSB-BSE1: LSBA Participant Adr. 1 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A0169	LSB-BSE1: LSBA Participant Adr. 1 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0250	LSB-BSE1: LSBA Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0251	LSB-BSE1: LSBA Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0253	LSB-BSE1: LSBA Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0254	LSB-BSE1: LSBA Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0264	LSB-BSE1: LSBA Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0265	LSB-BSE1: LSBA Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0266	LSB-BSE1: LSBA Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0267	LSB-BSE1: LSBA Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0268	LSB-BSE1: LSBA Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A0269	LSB-BSE1: LSBA Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0950	LSB-BSE1: LSBA Participant Adr. 9 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0951	LSB-BSE1: LSBA Participant Adr. 9 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0953	LSB-BSE1: LSBA Participant Adr. 9 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0954	LSB-BSE1: LSBA Participant Adr. 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0964	LSB-BSE1: LSBA Participant Adr. 9 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0965	LSB-BSE1: LSBA Participant Adr. 9 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0966	LSB-BSE1: LSBA Participant Adr. 9 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0967	LSB-BSE1: LSBA Participant Adr. 9 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0968	LSB-BSE1: LSBA Participant Adr. 9 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A0969	LSB-BSE1: LSBA Participant Adr. 9 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0A50	LSB-BSE1: LSBA Participant Adr. 10 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0A51	LSB-BSE1: LSBA Participant Adr. 10 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0A53	LSB-BSE1: LSBA Participant Adr. 10 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0A54	LSB-BSE1: LSBA Participant Adr. 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0A64	LSB-BSE1: LSBA Participant Adr. 10 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0A65	LSB-BSE1: LSBA Participant Adr. 10 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0A66	LSB-BSE1: LSBA Participant Adr. 10 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0A67	LSB-BSE1: LSBA Participant Adr. 10 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0A68	LSB-BSE1: LSBA Participant Adr. 10 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A0A69	LSB-BSE1: LSBA Participant Adr. 10 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0B50	LSB-BSE1: LSBA Participant Adr. 11 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0B51	LSB-BSE1: LSBA Participant Adr. 11 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0B53	LSB-BSE1: LSBA Participant Adr. 11 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0B54	LSB-BSE1: LSBA Participant Adr. 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0B64	LSB-BSE1: LSBA Participant Adr. 11 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0B65	LSB-BSE1: LSBA Participant Adr. 11 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0B66	LSB-BSE1: LSBA Participant Adr. 11 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0B67	LSB-BSE1: LSBA Participant Adr. 11 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0B68	LSB-BSE1: LSBA Participant Adr. 11 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A0B69	LSB-BSE1: LSBA Participant Adr. 11 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0C50	LSB-BSE1: LSBA Participant Adr. 12 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0C51	LSB-BSE1: LSBA Participant Adr. 12 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0C53	LSB-BSE1: LSBA Participant Adr. 12 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0C54	LSB-BSE1: LSBA Participant Adr. 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0C64	LSB-BSE1: LSBA Participant Adr. 12 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0C65	LSB-BSE1: LSBA Participant Adr. 12 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0C66	LSB-BSE1: LSBA Participant Adr. 12 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0C67	LSB-BSE1: LSBA Participant Adr. 12 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0C68	LSB-BSE1: LSBA Participant Adr. 12 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A0C69	LSB-BSE1: LSBA Participant Adr. 12 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A1250	LSB-BSE1: LSBA Participant Adr. 18 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A1251	LSB-BSE1: LSBA Participant Adr. 18 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A1253	LSB-BSE1: LSBA Participant Adr. 18 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A1254	LSB-BSE1: LSBA Participant Adr. 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A1264	LSB-BSE1: LSBA Participant Adr. 18 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A1265	LSB-BSE1: LSBA Participant Adr. 18 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A1266	LSB-BSE1: LSBA Participant Adr. 18 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A1267	LSB-BSE1: LSBA Participant Adr. 18 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A1268	LSB-BSE1: LSBA Participant Adr. 18 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A1269	LSB-BSE1: LSBA Participant Adr. 18 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A1750	LSB-BSE1: LSBA Participant Adr. 23 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A1751	LSB-BSE1: LSBA Participant Adr. 23 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A1753	LSB-BSE1: LSBA Participant Adr. 23 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A1754	LSB-BSE1: LSBA Participant Adr. 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A1764	LSB-BSE1: LSBA Participant Adr. 23 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A1765	LSB-BSE1: LSBA Participant Adr. 23 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A1766	LSB-BSE1: LSBA Participant Adr. 23 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A1767	LSB-BSE1: LSBA Participant Adr. 23 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A1768	LSB-BSE1: LSBA Participant Adr. 23 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1
1A1769	LSB-BSE1: LSBA Participant Adr. 23 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A2052	LSB-BSE1: Control data transfer LSBA has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:9		E	0
1A2055	LSB-BSE1: Control data transfer LSBA Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:9		E	2
1A2056	LSB-BSE1: Control data transfer LSBA Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:9		E	2
1A2057	LSB-BSE1: Control data transfer LSBA has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:9		E	1
1A2058	LSB-BSE1: Control data transfer LSBA recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:9		E	0
1A2059	LSB-BSE1: Control data transfer LSBA recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:9		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A2060	LSB-BSE1: Control data transfer LSBA driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:9		E	2
1A2061	LSB-BSE1: Control data transfer LSBA driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:9		E	2
1A2062	LSB-BSE1: Control data transfer LSBA Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:9		E	2
1A3050	LSB-BSE1: LSBB Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:10		E	2
1A3051	LSB-BSE1: LSBB Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:10		E	2
1A3053	LSB-BSE1: LSBB Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:10		E	1
1A3054	LSB-BSE1: LSBB Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:10		E	2
1A3064	LSB-BSE1: LSBB Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:10		E	1
1A3065	LSB-BSE1: LSBB Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:10		E	2
1A3066	LSB-BSE1: LSBB Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:10		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A3067	LSB-BSE1: LSBB Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:10		E	1
1A3068	LSB-BSE1: LSBB Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:10		E	1
1A3069	LSB-BSE1: LSBB Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:10		E	1
1A3250	LSB-BSE1: LSBB Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:10		E	2
1A3251	LSB-BSE1: LSBB Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:10		E	2
1A3253	LSB-BSE1: LSBB Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:10		E	1
1A3254	LSB-BSE1: LSBB Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:10		E	2
1A3264	LSB-BSE1: LSBB Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:10		E	1
1A3265	LSB-BSE1: LSBB Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:10		E	2
1A3266	LSB-BSE1: LSBB Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:10		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A3267	LSB-BSE1: LSBB Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:10		E	1
1A3268	LSB-BSE1: LSBB Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:10		E	1
1A3269	LSB-BSE1: LSBB Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:10		E	1
1A5052	LSB-BSE1: Control data transfer LSBB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:10		E	0
1A5055	LSB-BSE1: Control data transfer LSBB Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:10		E	2
1A5056	LSB-BSE1: Control data transfer LSBB Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:10		E	2
1A5057	LSB-BSE1: Control data transfer LSBB has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:10		E	1
1A5058	LSB-BSE1: Control data transfer LSBB recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:10		E	0
1A5059	LSB-BSE1: Control data transfer LSBB recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:10		E	0
1A5060	LSB-BSE1: Control data transfer LSBB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:10		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A5061	LSB-BSE1: Control data transfer LSBB driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:10		E	2
1A5062	LSB-BSE1: Control data transfer LSBB Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:10		E	2
1A6050	LSB-BSE1: LSBC Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:11		E	2
1A6051	LSB-BSE1: LSBC Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:11		E	2
1A6053	LSB-BSE1: LSBC Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:11		E	1
1A6054	LSB-BSE1: LSBC Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:11		E	2
1A6064	LSB-BSE1: LSBC Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:11		E	1
1A6065	LSB-BSE1: LSBC Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:11		E	2
1A6066	LSB-BSE1: LSBC Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:11		E	2
1A6067	LSB-BSE1: LSBC Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A6068	LSB-BSE1: LSBC Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:11		E	1
1A6069	LSB-BSE1: LSBC Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:11		E	1
1A6250	LSB-BSE1: LSBC Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:11		E	2
1A6251	LSB-BSE1: LSBC Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:11		E	2
1A6253	LSB-BSE1: LSBC Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:11		E	1
1A6254	LSB-BSE1: LSBC Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:11		E	2
1A6264	LSB-BSE1: LSBC Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:11		E	1
1A6265	LSB-BSE1: LSBC Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:11		E	2
1A6266	LSB-BSE1: LSBC Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:11		E	2
1A6267	LSB-BSE1: LSBC Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A6268	LSB-BSE1: LSBC Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:11		E	1
1A6269	LSB-BSE1: LSBC Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:11		E	1
1A8052	LSB-BSE1: Control data transfer LSBC has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:11		E	0
1A8055	LSB-BSE1: Control data transfer LSBC Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:11		E	2
1A8056	LSB-BSE1: Control data transfer LSBC Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:11		E	2
1A8057	LSB-BSE1: Control data transfer LSBC has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:11		E	1
1A8058	LSB-BSE1: Control data transfer LSBC recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:11		E	0
1A8059	LSB-BSE1: Control data transfer LSBC recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:11		E	0
1A8060	LSB-BSE1: Control data transfer LSBC driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:11		E	2
1A8061	LSB-BSE1: Control data transfer LSBC driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:11		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A8062	LSB-BSE1: Control data transfer LSBC Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:11		E	2
1A9050	LSB-BSE1: LSBD Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:12		E	2
1A9051	LSB-BSE1: LSBD Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:12		E	2
1A9053	LSB-BSE1: LSBD Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:12		E	1
1A9054	LSB-BSE1: LSBD Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:12		E	2
1A9064	LSB-BSE1: LSBD Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:12		E	1
1A9065	LSB-BSE1: LSBD Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:12		E	2
1A9066	LSB-BSE1: LSBD Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:12		E	2
1A9067	LSB-BSE1: LSBD Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:12		E	1
1A9068	LSB-BSE1: LSBD Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A9069	LSB-BSE1: LSBD Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:12		E	1
1A9250	LSB-BSE1: LSBD Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:12		E	2
1A9251	LSB-BSE1: LSBD Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:12		E	2
1A9253	LSB-BSE1: LSBD Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:12		E	1
1A9254	LSB-BSE1: LSBD Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:12		E	2
1A9264	LSB-BSE1: LSBD Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:12		E	1
1A9265	LSB-BSE1: LSBD Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:12		E	2
1A9266	LSB-BSE1: LSBD Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:12		E	2
1A9267	LSB-BSE1: LSBD Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:12		E	1
1A9268	LSB-BSE1: LSBD Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A9269	LSB-BSE1: LSBD Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:12		E	1
1AB052	LSB-BSE1: Control data transfer LSBD has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:12		E	0
1AB055	LSB-BSE1: Control data transfer LSBD Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:12		E	2
1AB056	LSB-BSE1: Control data transfer LSBD Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:12		E	2
1AB057	LSB-BSE1: Control data transfer LSBD has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:12		E	1
1AB058	LSB-BSE1: Control data transfer LSBD recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:12		E	0
1AB059	LSB-BSE1: Control data transfer LSBD recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:12		E	0
1AB060	LSB-BSE1: Control data transfer LSBD driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:12		E	2
1AB061	LSB-BSE1: Control data transfer LSBD driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:12		E	2
1AB062	LSB-BSE1: Control data transfer LSBD Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B0050	LSB-BSE1: LSBE Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:9		E	2
1B0051	LSB-BSE1: LSBE Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:9		E	2
1B0053	LSB-BSE1: LSBE Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:9		E	1
1B0054	LSB-BSE1: LSBE Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:9		E	2
1B0064	LSB-BSE1: LSBE Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:9		E	1
1B0065	LSB-BSE1: LSBE Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:9		E	2
1B0066	LSB-BSE1: LSBE Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:9		E	2
1B0067	LSB-BSE1: LSBE Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:9		E	1
1B0068	LSB-BSE1: LSBE Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:9		E	1
1B0069	LSB-BSE1: LSBE Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B0250	LSB-BSE1: LSBE Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:9		E	2
1B0251	LSB-BSE1: LSBE Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:9		E	2
1B0253	LSB-BSE1: LSBE Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:9		E	1
1B0254	LSB-BSE1: LSBE Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:9		E	2
1B0264	LSB-BSE1: LSBE Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:9		E	1
1B0265	LSB-BSE1: LSBE Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:9		E	2
1B0266	LSB-BSE1: LSBE Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:9		E	2
1B0267	LSB-BSE1: LSBE Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:9		E	1
1B0268	LSB-BSE1: LSBE Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:9		E	1
1B0269	LSB-BSE1: LSBE Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B2052	LSB-BSE1: Control data transfer LSBE has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:9		E	0
1B2055	LSB-BSE1: Control data transfer LSBE Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:9		E	2
1B2056	LSB-BSE1: Control data transfer LSBE Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:9		E	2
1B2057	LSB-BSE1: Control data transfer LSBE has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:9		E	1
1B2058	LSB-BSE1: Control data transfer LSBE recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:9		E	0
1B2059	LSB-BSE1: Control data transfer LSBE recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:9		E	0
1B2060	LSB-BSE1: Control data transfer LSBE driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:9		E	2
1B2061	LSB-BSE1: Control data transfer LSBE driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:9		E	2
1B2062	LSB-BSE1: Control data transfer LSBE Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:9		E	2
1B3050	LSB-BSE1: LSBF Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:10		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B3051	LSB-BSE1: LSBF Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:10		E	2
1B3053	LSB-BSE1: LSBF Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:10		E	1
1B3054	LSB-BSE1: LSBF Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:10		E	2
1B3064	LSB-BSE1: LSBF Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:10		E	1
1B3065	LSB-BSE1: LSBF Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:10		E	2
1B3066	LSB-BSE1: LSBF Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:10		E	2
1B3067	LSB-BSE1: LSBF Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:10		E	1
1B3068	LSB-BSE1: LSBF Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:10		E	1
1B3069	LSB-BSE1: LSBF Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:10		E	1
1B3250	LSB-BSE1: LSBF Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:10		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B3251	LSB-BSE1: LSBF Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:10		E	2
1B3253	LSB-BSE1: LSBF Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:10		E	1
1B3254	LSB-BSE1: LSBF Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:10		E	2
1B3264	LSB-BSE1: LSBF Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:10		E	1
1B3265	LSB-BSE1: LSBF Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:10		E	2
1B3266	LSB-BSE1: LSBF Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:10		E	2
1B3267	LSB-BSE1: LSBF Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:10		E	1
1B3268	LSB-BSE1: LSBF Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:10		E	1
1B3269	LSB-BSE1: LSBF Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:10		E	1
1B5052	LSB-BSE1: Control data transfer LSBF has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:10		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B5055	LSB-BSE1: Control data transfer LSBF Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:10		E	2
1B5056	LSB-BSE1: Control data transfer LSBF Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:10		E	2
1B5057	LSB-BSE1: Control data transfer LSBF has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:10		E	1
1B5058	LSB-BSE1: Control data transfer LSBF recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:10		E	0
1B5059	LSB-BSE1: Control data transfer LSBF recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:10		E	0
1B5060	LSB-BSE1: Control data transfer LSBF driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:10		E	2
1B5061	LSB-BSE1: Control data transfer LSBF driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:10		E	2
1B5062	LSB-BSE1: Control data transfer LSBF Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:10		E	2
1B6050	LSB-BSE1: LSBG Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:11		E	2
1B6051	LSB-BSE1: LSBG Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:11		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B6053	LSB-BSE1: LSBG Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:11		E	1
1B6054	LSB-BSE1: LSBG Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:11		E	2
1B6064	LSB-BSE1: LSBG Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:11		E	1
1B6065	LSB-BSE1: LSBG Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:11		E	2
1B6066	LSB-BSE1: LSBG Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:11		E	2
1B6067	LSB-BSE1: LSBG Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:11		E	1
1B6068	LSB-BSE1: LSBG Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:11		E	1
1B6069	LSB-BSE1: LSBG Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:11		E	1
1B6250	LSB-BSE1: LSBG Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:11		E	2
1B6251	LSB-BSE1: LSBG Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:11		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B6253	LSB-BSE1: LSBG Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:11		E	1
1B6254	LSB-BSE1: LSBG Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:11		E	2
1B6264	LSB-BSE1: LSBG Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:11		E	1
1B6265	LSB-BSE1: LSBG Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:11		E	2
1B6266	LSB-BSE1: LSBG Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:11		E	2
1B6267	LSB-BSE1: LSBG Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:11		E	1
1B6268	LSB-BSE1: LSBG Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:11		E	1
1B6269	LSB-BSE1: LSBG Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:11		E	1
1B8052	LSB-BSE1: Control data transfer LSBG has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:11		E	0
1B8055	LSB-BSE1: Control data transfer LSBG Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:11		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B8056	LSB-BSE1: Control data transfer LSBG Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:11		E	2
1B8057	LSB-BSE1: Control data transfer LSBG has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:11		E	1
1B8058	LSB-BSE1: Control data transfer LSBG recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:11		E	0
1B8059	LSB-BSE1: Control data transfer LSBG recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:11		E	0
1B8060	LSB-BSE1: Control data transfer LSBG driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:11		E	2
1B8061	LSB-BSE1: Control data transfer LSBG driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:11		E	2
1B8062	LSB-BSE1: Control data transfer LSBG Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:11		E	2
1B9050	LSB-BSE1: LSBH Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:12		E	2
1B9051	LSB-BSE1: LSBH Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:12		E	2
1B9053	LSB-BSE1: LSBH Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B9054	LSB-BSE1: LSBH Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:12		E	2
1B9064	LSB-BSE1: LSBH Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:12		E	1
1B9065	LSB-BSE1: LSBH Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:12		E	2
1B9066	LSB-BSE1: LSBH Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:12		E	2
1B9067	LSB-BSE1: LSBH Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:12		E	1
1B9068	LSB-BSE1: LSBH Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:12		E	1
1B9069	LSB-BSE1: LSBH Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:12		E	1
1B9250	LSB-BSE1: LSBH Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:12		E	2
1B9251	LSB-BSE1: LSBH Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:12		E	2
1B9253	LSB-BSE1: LSBH Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B9254	LSB-BSE1: LSBH Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:12		E	2
1B9264	LSB-BSE1: LSBH Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:12		E	1
1B9265	LSB-BSE1: LSBH Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:12		E	2
1B9266	LSB-BSE1: LSBH Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:12		E	2
1B9267	LSB-BSE1: LSBH Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:12		E	1
1B9268	LSB-BSE1: LSBH Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:12		E	1
1B9269	LSB-BSE1: LSBH Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:12		E	1
1BB052	LSB-BSE1: Control data transfer LSBH has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:12		E	0
1BB055	LSB-BSE1: Control data transfer LSBH Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:12		E	2
1BB056	LSB-BSE1: Control data transfer LSBH Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1BB057	LSB-BSE1: Control data transfer LSBH has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:12		E	1
1BB058	LSB-BSE1: Control data transfer LSBH recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:12		E	0
1BB059	LSB-BSE1: Control data transfer LSBH recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:12		E	0
1BB060	LSB-BSE1: Control data transfer LSBH driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:12		E	2
1BB061	LSB-BSE1: Control data transfer LSBH driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:12		E	2
1BB062	LSB-BSE1: Control data transfer LSBH Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:12		E	2
1C0050	LSB-BSE1: LSBJ Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C0051	LSB-BSE1: LSBJ Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C0053	LSB-BSE1: LSBJ Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C0054	LSB-BSE1: LSBJ Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C0064	LSB-BSE1: LSBJ Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1
1C0065	LSB-BSE1: LSBJ Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2
1C0066	LSB-BSE1: LSBJ Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2
1C0067	LSB-BSE1: LSBJ Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1
1C0068	LSB-BSE1: LSBJ Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1
1C0069	LSB-BSE1: LSBJ Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1
1C2052	LSB-BSE1: Control data transfer LSBJ has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1C2055	LSB-BSE1: Control data transfer LSBJ Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C2056	LSB-BSE1: Control data transfer LSBJ Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C2057	LSB-BSE1: Control data transfer LSBJ has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C2058	LSB-BSE1: Control data transfer LSBJ recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0
1C2059	LSB-BSE1: Control data transfer LSBJ recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0
1C2060	LSB-BSE1: Control data transfer LSBJ driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2
1C2061	LSB-BSE1: Control data transfer LSBJ driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2
1C2062	LSB-BSE1: Control data transfer LSBJ Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2
1C3050	LSB-BSE1: LSBK Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C3051	LSB-BSE1: LSBK Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C3053	LSB-BSE1: LSBK Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C3054	LSB-BSE1: LSBK Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2
1C3064	LSB-BSE1: LSBK Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C3065	LSB-BSE1: LSBK Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2
1C3066	LSB-BSE1: LSBK Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2
1C3067	LSB-BSE1: LSBK Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1
1C3068	LSB-BSE1: LSBK Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1
1C3069	LSB-BSE1: LSBK Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1
1C5052	LSB-BSE1: Control data transfer LSBK has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1C5055	LSB-BSE1: Control data transfer LSBK Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C5056	LSB-BSE1: Control data transfer LSBK Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C5057	LSB-BSE1: Control data transfer LSBK has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1
1C5058	LSB-BSE1: Control data transfer LSBK recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C5059	LSB-BSE1: Control data transfer LSBK recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0
1C5060	LSB-BSE1: Control data transfer LSBK driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2
1C5061	LSB-BSE1: Control data transfer LSBK driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2
1C5062	LSB-BSE1: Control data transfer LSBK Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2
1C6050	LSB-BSE1: LSBL Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C6051	LSB-BSE1: LSBL Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C6053	LSB-BSE1: LSBL Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C6054	LSB-BSE1: LSBL Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2
1C6064	LSB-BSE1: LSBL Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1
1C6065	LSB-BSE1: LSBL Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C6066	LSB-BSE1: LSBL Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2
1C6067	LSB-BSE1: LSBL Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1
1C6068	LSB-BSE1: LSBL Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1
1C6069	LSB-BSE1: LSBL Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1
1C8052	LSB-BSE1: Control data transfer LSBL has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1C8055	LSB-BSE1: Control data transfer LSBL Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C8056	LSB-BSE1: Control data transfer LSBL Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C8057	LSB-BSE1: Control data transfer LSBL has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1
1C8058	LSB-BSE1: Control data transfer LSBL recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0
1C8059	LSB-BSE1: Control data transfer LSBL recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C8060	LSB-BSE1: Control data transfer LSBL driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2
1C8061	LSB-BSE1: Control data transfer LSBL driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2
1C8062	LSB-BSE1: Control data transfer LSBL Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2
1C9050	LSB-BSE1: LSBM Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C9051	LSB-BSE1: LSBM Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C9053	LSB-BSE1: LSBM Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C9054	LSB-BSE1: LSBM Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2
1C9064	LSB-BSE1: LSBM Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1
1C9065	LSB-BSE1: LSBM Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2
1C9066	LSB-BSE1: LSBM Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C9067	LSB-BSE1: LSBM Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1
1C9068	LSB-BSE1: LSBM Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1
1C9069	LSB-BSE1: LSBM Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1
1CB052	LSB-BSE1: Control data transfer LSBM has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1CB055	LSB-BSE1: Control data transfer LSBM Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1CB056	LSB-BSE1: Control data transfer LSBM Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1CB057	LSB-BSE1: Control data transfer LSBM has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1
1CB058	LSB-BSE1: Control data transfer LSBM recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0
1CB059	LSB-BSE1: Control data transfer LSBM recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0
1CB060	LSB-BSE1: Control data transfer LSBM driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1CB061	LSB-BSE1: Control data transfer LSBM driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2
1CB062	LSB-BSE1: Control data transfer LSBM Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2
1D0612	LSB-BSE1: Data recorder Start: not connected No recording possible! Check data logger in 1 sec. interval Connect data logger, if necessary, check connection from LICCON system to data logger	A361		E	1
1D0620	LSB-BSE1: Data recorder Init: Firmware version incorrect/faulty Has not yet been checked!	A361		E	1
1D0621	LSB-BSE1: Data recorder Init: ATA-card not initialised STATUS-error: Data recorder software stops - no documentation possible! Initialize ATA-Card with PC-Software 'LICCON Manager'	A361		E	1
1D0622	LSB-BSE1: Data recorder Init: ATA-card contains different crane number STATUS-error: Data recorder software stops - no documentation possible! Use ATA card with correct crane number or newly initialised ATA card	A361		E	1
1D0623	LSB-BSE1: Data recorder Init: Format-File-Transfer faulty Repeat of Format-File transfers in 1 sec. cycles If necessary, correct type and country specific format file 'Lnnttt01vvrr.Q' in EPROM 0	A361		E	1
1D0630	LSB-BSE1: Data recorder Transfer: Data transmission faulty Repeat of data transfers in 1 sec. cycles If necessary check connection from LICCON system to data recorder	A361		E	1
1D0631	LSB-BSE1: Data recorder Transfer: CSM-protocol error Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder	A361		E	1
1D0632	LSB-BSE1: Data recorder Transfer: Transmission error (CRC) Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder	A361		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1D0633	LSB-BSE1: Data recorder Transfer: STATUS-error Resynchronize depending on STATUS in 1 sec.interval If necessary check connection from LICCON system to data recorder	A361		E	1
1D0634	LSB-BSE1: Data recorder Transfer: TAN-error Synchronise CSM protocol again completely If necessary check connection from LICCON system to data recorder	A361		E	1
1D0635	LSB-BSE1: Data recorder Transfer: Writing error Synchronise CSM protocol again completely If necessary check connection from LICCON-System to data recorder and ATA card	A361		E	1
1D0849	LSB-BSE1: Operating hours counter urgent modul, ZE not available error report Report all error parameters to Service	A361		E	2
1D0878	LSB-BSE1: Operating hours counter impermissible parameter Error message, Parameter is possibly set to min or max Software update required, report all error parameter to Service Dept.	A361		E	2
1DD01E	LSB-BSE1: Supply voltage 15.3 / CPU0 Voltage outside permissible range error report Check voltage, electr. connections and fuse	A361.X1:1		E	2
1DD11E	LSB-BSE1: Supply voltage 30.3 / CPU0 Voltage outside permissible range error report Check battery, electr. connections and fuse	A361.X1:2		E	2
1DDE14	LSB-BSE1: Analog input 0E0 / DSP0 short circuit to supply voltage error report Check DSP0-output A0.0, relay, electr. connections	A361.X4:3		E	2
1DDF14	LSB-BSE1: Analog input 0E1 / DSP0 short circuit to supply voltage error report Check DSP0-output A0.0, relay, electr. connections	A361.X4:4		E	2
1DE012	LSB-BSE1: Analog input 0E2 / DSP0 short circuit to ground error report Check Em. Off switch, voltage, electr. connections	A361.X4:5		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DE117	LSB-BSE1: Supply voltage 30.1 / DSP0 voltage below required value error indication on display Check battery, voltage, electr. connections and fuse	A361.X4:7		E	2
1DE217	LSB-BSE1: Supply voltage 15.1 / DSP0 voltage below required value error indication on display Check voltage	A361.X4:8		E	2
1DE317	LSB-BSE1: Supply voltage 24V.1 (0A0-1) / DSP0 voltage below required value error indication on display Check voltage, electr. connections and fuse	A361.X4:15		E	2
1DE614	LSB-BSE1: Analog input 1E0 / DSP1 short circuit to supply voltage error report Check DSP1-output A0.0, relay, electr. connections	A361.X5:3		E	2
1DE714	LSB-BSE1: Analog input 1E1 / DSP1 short circuit to supply voltage error report Check DSP1-output A0.0, relay, electr. connections	A361.X5:4		E	2
1DE812	LSB-BSE1: Analog input 1E2 / DSP1 short circuit to ground error report Check Em. Off switch, voltage, electr. connections	A361.X5:5		E	2
1DE917	LSB-BSE1: Supply voltage 30.2 / DSP1 voltage below required value error indication on display Check battery, voltage, electr. connections and fuse	A361.X5:7		E	2
1DEA17	LSB-BSE1: Supply voltage 15.2 / DSP1 voltage below required value error indication on display Check voltage	A361.X5:8		E	2
1DEB17	LSB-BSE1: Supply voltage 24V.2 (1A0-1) / DSP1 voltage below required value error indication on display Check voltage, electr. connections and fuse	A361.X5:15		E	2
1DEC1B	LSB-BSE1: 2.Shut off channel / DSP0 digital shut off defective Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, fuse, replace module if nec.	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DEC72	LSB-BSE1: 2.Shut off channel / DSP0 outside source feeding Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, replace module, if nec.	A361		E	2
1DED1B	LSB-BSE1: 2.Shut off channel / DSP1 digital shut off defective Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, fuse, replace module if nec.	A361		E	2
1DED72	LSB-BSE1: 2.Shut off channel / DSP1 outside source feeding Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, replace module, if nec.	A361		E	2
1DF006	LSB-BSE1: System error OS-DSP0 initialising error RAM erroneous Entry in error memory, program is stopped Inform Service of all error parameters and replace module	A361		E	2
1DF013	LSB-BSE1: System error OS-DSP0 Test sum in FLASH erroneous error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF016	LSB-BSE1: System error OS-DSP0 system-, driver-watchdog expired error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF050	LSB-BSE1: System error OS-DSP0 file not available error report Reload application software	A361		E	3
1DF073	LSB-BSE1: System error OS-DSP0 interpreter error error indication on display Report all error parameter to Service and replace module. At P0=00000013 carry out download	A361		E	2
1DF082	LSB-BSE1: System error OS-DSP0 hardware-watchdog erroneous Module reset Replace module	A361		E	2
1DF0A1	LSB-BSE1: System error OS-DSP0 System voltage 3V3-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF0A2	LSB-BSE1: System error OS-DSP0 System voltage 5V-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF0AD	LSB-BSE1: System error OS-DSP0 System voltage V26-Core outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF0B1	LSB-BSE1: System error OS-DSP0 Power-Fail-Status incorrect error report Check voltage	A361		E	2
1DF0C1	LSB-BSE1: System error OS-DSP0 Incorrect or wrong system version for application error report Reload matching system version	A361		E	1
1DF106	LSB-BSE1: System error OS-DSP1 initialising error RAM erroneous Entry in error memory, program is stopped Inform Service of all error parameters and replace module	A361		E	2
1DF113	LSB-BSE1: System error OS-DSP1 Test sum in FLASH erroneous error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF116	LSB-BSE1: System error OS-DSP1 system-, driver-watchdog expired error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF150	LSB-BSE1: System error OS-DSP1 file not available error report Reload application software	A361		E	3
1DF173	LSB-BSE1: System error OS-DSP1 interpreter error error indication on display Report all error parameter to Service and replace module. At P0=00000013 carry out download	A361		E	2
1DF182	LSB-BSE1: System error OS-DSP1 hardware-watchdog erroneous Module reset Replace module	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF1A1	LSB-BSE1: System error OS-DSP1 System voltage 3V3-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF1A2	LSB-BSE1: System error OS-DSP1 System voltage 5V-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF1AD	LSB-BSE1: System error OS-DSP1 System voltage V26-Core outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF1B1	LSB-BSE1: System error OS-DSP1 Power-Fail-Status incorrect error report Check voltage	A361		E	2
1DF1C1	LSB-BSE1: System error OS-DSP1 Incorrect or wrong system version for application error report Reload matching system version	A361		E	1
1DF203	LSB-BSE1: System error OS-CPU0 CW Upload to data bank not carried out error report CW Carry out upload in data bank	A361		E	2
1DF280	LSB-BSE1: System error OS-CPU0 Fatal internal error error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF299	LSB-BSE1: System error OS-CPU0 DSP0 erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF29A	LSB-BSE1: System error OS-CPU0 DSP1 erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF29B	LSB-BSE1: System error OS-CPU0 dsPIC erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF2A1	LSB-BSE1: System error OS-CPU0 System voltage 3V3-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2A2	LSB-BSE1: System error OS-CPU0 System voltage 5V-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2A3	LSB-BSE1: System error OS-CPU0 Board temp. outside permissible range error indication on display Check coolant supply for monitor	A361		E	2
1DF2A4	LSB-BSE1: System error OS-CPU0 Inside temperature outside permissible range error indication on display Check coolant supply for monitor	A361		E	2
1DF2A5	LSB-BSE1: System error OS-CPU0 System voltage 12V-CCFL outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AB	LSB-BSE1: System error OS-CPU0 System voltage 5V-Standby outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AC	LSB-BSE1: System error OS-CPU0 Restoration of CW-operandi failed error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AE	LSB-BSE1: System error OS-CPU0 System voltage PCMCIA erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AF	LSB-BSE1: System error OS-CPU0 System voltage 3V- cell-RTC too low error report If time is corrupt, replace battery Type CR1225 in monitor	A361		E	2
1DF2B0	LSB-BSE1: System error OS-CPU0 Time RTC erroneous (Low-Voltage) error report Replace battery Type CR1225 in monitor	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF2C0	LSB-BSE1: System error OS-CPU0 Hardware / Software erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2FA	LSB-BSE1: System error OS-CPU0 BSE to BSE communication via CAN erroneous error report Change component group, contact Service dept. with error parameter	A361		E	2
200001	ZE 2: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
200002	ZE 2: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
200006	ZE 2: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
200007	ZE 2: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
200010	ZE 2: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
200011	ZE 2: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
200012	ZE 2: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
200013	ZE 2: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200014	ZE 2: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped			E	2
200015	ZE 2: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped			E	2
200016	ZE 2: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped			E	2
200017	ZE 2: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped			E	2
200018	ZE 2: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
200019	ZE 2: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
200020	ZE 2: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2
200021	ZE 2: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200022	ZE 2: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
200023	ZE 2: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200024	ZE 2: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped			E	2
200025	ZE 2: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped			E	2
200026	ZE 2: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped			E	2
200030	ZE 2: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped			E	2
200041	ZE 2: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped			E	2
200044	ZE 2: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped			E	2
200045	ZE 2: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped			E	2
200046	ZE 2: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped			E	2
200047	ZE 2: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped			E	2
200048	ZE 2: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200049	ZE 2: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
200050	ZE 2: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped			E	2
200051	ZE 2: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped			E	2
200052	ZE 2: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped			E	2
200053	ZE 2: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
200054	ZE 2: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
200055	ZE 2: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2
200056	ZE 2: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2
200057	ZE 2: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
200058	ZE 2: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200059	ZE 2: system error OS-HC11 (observe parameters) subroutine not reenterant entry in error memory, all crane movements will be stopped			E	2
200060	ZE 2: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
200061	ZE 2: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
200062	ZE 2: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
200063	ZE 2: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
200065	ZE 2: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped			E	2
200066	ZE 2: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200067	ZE 2: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200068	ZE 2: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200070	ZE 2: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200071	ZE 2: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible			E	2
200072	ZE 2: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible			E	2
200073	ZE 2: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped			E	2
200074	ZE 2: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped			E	2
200075	ZE 2: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200076	ZE 2: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
200077	ZE 2: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2
200078	ZE 2: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2
200079	ZE 2: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
200080	ZE 2: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200081	ZE 2: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped			E	2
200082	ZE 2: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200094	ZE 2: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
200095	ZE 2: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
200099	ZE 2: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
202001	ZE 2: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
202002	ZE 2: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
202006	ZE 2: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
202007	ZE 2: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
202020	ZE 2: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
202021	ZE 2: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
202082	ZE 2: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
210012	ZE 2: output 0 short circuit to ground	X72:16		E	1
210013	ZE 2: output 0 open signal circuits	X72:16		E	1
210014	ZE 2: output 0 short circuit to supply voltage	X72:16		E	1
210054	ZE 2: output 0 short circuit to supply voltage	X72:16		E	1
210058	ZE 2: output 0 positive switching transistor: disruption	X72:16		E	1
210060	ZE 2: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:16		E	1
210062	ZE 2: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:16		E	1
210063	ZE 2: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210070	ZE 2: output 0 measuring system defect no crane operation possible entry in error list	X72:16		E	1
210071	ZE 2: output 0 short circuit to ground or transistor defect	X72:16		E	1
210072	ZE 2: output 0 outside source feeding	X72:16		E	1
210073	ZE 2: output 0 open circuit or short circuit to supply voltage/ground	X72:16		E	1
210112	ZE 2: output 1 short circuit to ground	X72:17		E	1
210113	ZE 2: output 1 open signal circuits	X72:17		E	1
210114	ZE 2: output 1 short circuit to supply voltage	X72:17		E	1
210154	ZE 2: output 1 short circuit to supply voltage	X72:17		E	1
210158	ZE 2: output 1 positive switching transistor: disruption	X72:17		E	1
210160	ZE 2: output 1 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210162	ZE 2: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:17		E	1
210163	ZE 2: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:17		E	1
210170	ZE 2: output 1 measuring system defect no crane operation possible entry in error list	X72:17		E	1
210171	ZE 2: output 1 short circuit to ground or transistor defect	X72:17		E	1
210172	ZE 2: output 1 outside source feeding	X72:17		E	1
210173	ZE 2: output 1 open circuit or short circuit to supply voltage/ground	X72:17		E	1
210212	ZE 2: output 2 short circuit to ground	X72:18		E	1
210213	ZE 2: output 2 open signal circuits	X72:18		E	1
210214	ZE 2: output 2 short circuit to supply voltage	X72:18		E	1
210254	ZE 2: output 2 short circuit to supply voltage	X72:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210258	ZE 2: output 2 positive switching transistor: disruption	X72:18		E	1
210270	ZE 2: output 2 measuring system defect no crane operation possible entry in error list	X72:18		E	1
210271	ZE 2: output 2 short circuit to ground or transistor defect	X72:18		E	1
210272	ZE 2: output 2 outside source feeding	X72:18		E	1
210273	ZE 2: output 2 open circuit or short circuit to supply voltage/ground	X72:18		E	1
210312	ZE 2: output 3 short circuit to ground	X72:19		E	1
210313	ZE 2: output 3 open signal circuits	X72:19		E	1
210314	ZE 2: output 3 short circuit to supply voltage	X72:19		E	1
210354	ZE 2: output 3 short circuit to supply voltage	X72:19		E	1
210358	ZE 2: output 3 positive switching transistor: disruption	X72:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210360	ZE 2: output 3 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:19		E	1
210362	ZE 2: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:19		E	1
210363	ZE 2: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:19		E	1
210370	ZE 2: output 3 measuring system defect no crane operation possible entry in error list	X72:19		E	1
210371	ZE 2: output 3 short circuit to ground or transistor defect	X72:19		E	1
210372	ZE 2: output 3 outside source feeding	X72:19		E	1
210373	ZE 2: output 3 open circuit or short circuit to supply voltage/ground	X72:19		E	1
210412	ZE 2: output 4 short circuit to ground	X72:20		E	1
210413	ZE 2: output 4 open signal circuits	X72:20		E	1
210414	ZE 2: output 4 short circuit to supply voltage	X72:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210454	ZE 2: output 4 short circuit to supply voltage	X72:20		E	1
210458	ZE 2: output 4 positive switching transistor: disruption	X72:20		E	1
210460	ZE 2: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:20		E	1
210462	ZE 2: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:20		E	1
210463	ZE 2: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:20		E	1
210470	ZE 2: output 4 measuring system defect no crane operation possible entry in error list	X72:20		E	1
210471	ZE 2: output 4 short circuit to ground or transistor defect	X72:20		E	1
210472	ZE 2: output 4 outside source feeding	X72:20		E	1
210473	ZE 2: output 4 open circuit or short circuit to supply voltage/ground	X72:20		E	1
210512	ZE 2: output 5 short circuit to ground	X72:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210513	ZE 2: output 5 open signal circuits	X72:21		E	1
210514	ZE 2: output 5 short circuit to supply voltage	X72:21		E	1
210554	ZE 2: output 5 short circuit to supply voltage	X72:21		E	1
210558	ZE 2: output 5 positive switching transistor: disruption	X72:21		E	1
210560	ZE 2: output 5 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:21		E	1
210562	ZE 2: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:21		E	1
210563	ZE 2: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:21		E	1
210570	ZE 2: output 5 measuring system defect no crane operation possible entry in error list	X72:21		E	1
210571	ZE 2: output 5 short circuit to ground or transistor defect	X72:21		E	1
210572	ZE 2: output 5 outside source feeding	X72:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210573	ZE 2: output 5 open circuit or short circuit to supply voltage/ground	X72:21		E	1
210612	ZE 2: output 6 short circuit to ground	X72:22		E	1
210613	ZE 2: output 6 open signal circuits	X72:22		E	1
210614	ZE 2: output 6 short circuit to supply voltage	X72:22		E	1
210654	ZE 2: output 6 short circuit to supply voltage	X72:22		E	1
210658	ZE 2: output 6 positive switching transistor: disruption	X72:22		E	1
210670	ZE 2: output 6 measuring system defect no crane operation possible entry in error list	X72:22		E	1
210671	ZE 2: output 6 short circuit to ground or transistor defect	X72:22		E	1
210672	ZE 2: output 6 outside source feeding	X72:22		E	1
210673	ZE 2: output 6 open circuit or short circuit to supply voltage/ground	X72:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210712	ZE 2: output 7 short circuit to ground	X72:23		E	1
210713	ZE 2: output 7 open signal circuits	X72:23		E	1
210714	ZE 2: output 7 short circuit to supply voltage	X72:23		E	1
210754	ZE 2: output 7 short circuit to supply voltage	X72:23		E	1
210758	ZE 2: output 7 positive switching transistor: disruption	X72:23		E	1
210760	ZE 2: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:23		E	1
210762	ZE 2: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:23		E	1
210763	ZE 2: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:23		E	1
210770	ZE 2: output 7 measuring system defect no crane operation possible entry in error list	X72:23		E	1
210771	ZE 2: output 7 short circuit to ground or transistor defect	X72:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210772	ZE 2: output 7 outside source feeding	X72:23		E	1
210773	ZE 2: output 7 open circuit or short circuit to supply voltage/ground	X72:23		E	1
214959	ZE 2: all output supply voltage missing	X72		E	1
215059	ZE 2: output group 0 supply voltage missing	X72:12		E	1
215159	ZE 2: output group 1 supply voltage missing	X72:24		E	1
215259	ZE 2: output group 2 supply voltage missing	X72:25		E	1
215359	ZE 2: output group 3 supply voltage missing	X72:13		E	1
220004	ZE 2: LSB participant address 0 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
220005	ZE 2: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
220018	ZE 2: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220050	ZE 2: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
220051	ZE 2: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
220053	ZE 2: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
220054	ZE 2: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
220064	ZE 2: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1
220065	ZE 2: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
220066	ZE 2: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
220067	ZE 2: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
220104	ZE 2: LSB participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
220105	ZE 2: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220118	ZE 2: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
220150	ZE 2: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
220151	ZE 2: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
220153	ZE 2: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
220154	ZE 2: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
220164	ZE 2: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1
220165	ZE 2: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
220166	ZE 2: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
220167	ZE 2: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
220204	ZE 2: LSB participant address 2 level exceeded	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220205	ZE 2: LSB participant address 2 below minimum level	X635B:z14/z16		E	1
220218	ZE 2: LSB participant address 2 excess temperature	X635B:z14/z16		E	0
220250	ZE 2: LSB participant address 2 reports an incorrect sensor type	X635B:z14/z16		E	2
220251	ZE 2: LSB participant address 2 was not configured for the block transfer	X635B:z14/z16		E	2
220253	ZE 2: LSB participant address 2 no longer reports or withdrawn during running period	X635B:z14/z16		E	1
220254	ZE 2: LSB participant address 2 Features other settings (parameters) as pre-entered set values	X635B:z14/z16		E	2
220264	ZE 2: LSB participant address 2 reports tolerable error in self-test	X635B:z14/z16		E	1
220265	ZE 2: LSB participant address 2 reports intolerable error in self-test	X635B:z14/z16		E	2
220266	ZE 2: LSB participant address 2 with software version, that is no longer compatible	X635B:z14/z16		E	2
220267	ZE 2: LSB participant address 2 supports no download function	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220904	ZE 2: LSB participant address 9 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
220905	ZE 2: LSB participant address 9 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
220918	ZE 2: LSB participant address 9 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
220950	ZE 2: LSB participant address 9 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
220951	ZE 2: LSB participant address 9 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
220953	ZE 2: LSB participant address 9 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
220954	ZE 2: LSB participant address 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
220964	ZE 2: LSB participant address 9 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1
220965	ZE 2: LSB participant address 9 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
220966	ZE 2: LSB participant address 9 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220967	ZE 2: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221004	ZE 2: LSB participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
221005	ZE 2: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221018	ZE 2: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221050	ZE 2: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221051	ZE 2: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221053	ZE 2: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221054	ZE 2: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
221064	ZE 2: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1
221065	ZE 2: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221066	ZE 2: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221067	ZE 2: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221104	ZE 2: LSB participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
221105	ZE 2: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221118	ZE 2: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221150	ZE 2: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221151	ZE 2: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221153	ZE 2: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221154	ZE 2: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
221164	ZE 2: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221165	ZE 2: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
221166	ZE 2: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221167	ZE 2: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221204	ZE 2: LSB participant address 12 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
221205	ZE 2: LSB participant address 12 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221218	ZE 2: LSB participant address 12 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221250	ZE 2: LSB participant address 12 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221251	ZE 2: LSB participant address 12 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221253	ZE 2: LSB participant address 12 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221254	ZE 2: LSB participant address 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221264	ZE 2: LSB participant address 12 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1
221265	ZE 2: LSB participant address 12 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
221266	ZE 2: LSB participant address 12 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221267	ZE 2: LSB participant address 12 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221804	ZE 2: LSB participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
221805	ZE 2: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221818	ZE 2: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221850	ZE 2: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221851	ZE 2: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221853	ZE 2: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221854	ZE 2: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
221864	ZE 2: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1
221865	ZE 2: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
221866	ZE 2: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221867	ZE 2: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
222304	ZE 2: LSB participant address 23 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635B:z14/z16		E	1
222305	ZE 2: LSB participant address 23 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
222318	ZE 2: LSB participant address 23 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
222350	ZE 2: LSB participant address 23 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
222351	ZE 2: LSB participant address 23 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222353	ZE 2: LSB participant address 23 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
222354	ZE 2: LSB participant address 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
222364	ZE 2: LSB participant address 23 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635B:z14/z16		E	1
222365	ZE 2: LSB participant address 23 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
222366	ZE 2: LSB participant address 23 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
222367	ZE 2: LSB participant address 23 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
223252	ZE 2: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635B:z14/z16		E	0
223255	ZE 2: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635B:z14/z16		E	2
223256	ZE 2: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635B:z14/z16		E	2
223257	ZE 2: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
223258	ZE 2: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635B:z14/z16		E	0
223259	ZE 2: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635B:z14/z16		E	0
223260	ZE 2: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635B:z14/z16		E	2
223261	ZE 2: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635B:z14/z16		E	2
223262	ZE 2: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635B:z14/z16		E	2
224814	ZE 2: input 0 short circuit to supply voltage Output of error Check: the sensor line for short-circuits, faulty sensors by pulling out the sensor, connections to the input plate	X635B:d2		E	1
224856	ZE 2: input 0 open circuit or short circuit to ground Output of error Check: Supply voltage, input LICCON, sensor lines for interruptions, faulty sensors by pulling out the sensor	X635B:d2		E	1
224914	ZE 2: input 1 short circuit to supply voltage Output of error Check: the sensor line for short-circuits, faulty sensors by pulling out the sensor, connections to the input plate	X635B:d4		E	1
224956	ZE 2: input 1 open circuit or short circuit to ground Output of error Check: Supply voltage, input LICCON, sensor lines for interruptions, faulty sensors by pulling out the sensor	X635B:d4		E	1
232000	ZE 2: control winch 1 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
232002	ZE 2: control winch 1 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory check supply, LICCON input, sensor lines to short or break, sensor			E	1
232100	ZE 2: control winch 2 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
232102	ZE 2: control winch 2 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory check supply, LICCON input, sensor lines to short or break, sensor			E	1
235001	ZE 2: operation winch 1 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
235004	ZE 2: operation winch 1 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
235005	ZE 2: operation winch 1 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	
235019	ZE 2: operation winch 1 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
235020	ZE 2: operation winch 1 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
235021	ZE 2: operation winch 1 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
235022	ZE 2: operation winch 1 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235024	ZE 2: operation winch 1 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
235025	ZE 2: operation winch 1 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
235026	ZE 2: operation winch 1 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235027	ZE 2: operation winch 1 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235029	ZE 2: operation winch 1 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 1 in control diagram			B	
23502B	ZE 2: operation winch 1 Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Fix cause of "LMB Stop", see error message			B	
235030	ZE 2: operation winch 1 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
235033	ZE 2: operation winch 1 Shut-down parallel op. differential path between winches too great Operation conditional switch off, may not be shunted Operate load hook in single operation winches 1 and 2 horizontally and set winches 1 and 2 in parallel operation.			B	
235039	ZE 2: operation winch 1 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
23503E	ZE 2: operation winch 1 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235050	ZE 2: operation winch 1 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235051	ZE 2: operation winch 1 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235052	ZE 2: operation winch 1 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235063	ZE 2: operation winch 1 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
235081	ZE 2: operation winch 1 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235082	ZE 2: operation winch 1 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235083	ZE 2: operation winch 1 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235101	ZE 2: operation winch 2 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
235104	ZE 2: operation winch 2 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
235105	ZE 2: operation winch 2 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235119	ZE 2: operation winch 2 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
235120	ZE 2: operation winch 2 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
235121	ZE 2: operation winch 2 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
235122	ZE 2: operation winch 2 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
235124	ZE 2: operation winch 2 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
235125	ZE 2: operation winch 2 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
235126	ZE 2: operation winch 2 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235127	ZE 2: operation winch 2 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235129	ZE 2: operation winch 2 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 2 in control diagram.			B	
23512B	ZE 2: operation winch 2 Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Fix cause of "LMB Stop", see error message			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235130	ZE 2: operation winch 2 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
235131	ZE 2: operation winch 2 master switch 2 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
235133	ZE 2: operation winch 2 Shut-down parallel op. differential path between winches too great Operation conditional switch off, may not be shunted Operate load hook in single operation winches 1 and 2 horizontally and set winches 1 and 2 in parallel operation.			B	
235139	ZE 2: operation winch 2 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
23513E	ZE 2: operation winch 2 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1
235150	ZE 2: operation winch 2 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235151	ZE 2: operation winch 2 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235152	ZE 2: operation winch 2 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235163	ZE 2: operation winch 2 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
235181	ZE 2: operation winch 2 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235182	ZE 2: operation winch 2 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235183	ZE 2: operation winch 2 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
236942	ZE 2: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
236943	ZE 2: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
261001	E/A-Modul 2: system error OS-C167 initialising error processor-register erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
261002	E/A-Modul 2: system error OS-C167 initialising error test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
261006	E/A-Modul 2: system error OS-C167 initialising error RAM erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
261013	E/A-Modul 2: system error OS-C167 test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
261016	E/A-Modul 2: system error OS-C167 system-, driver-watchdog expired error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
261068	E/A-Modul 2: system error OS-C167 impermissible interrupt error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
261071	E/A-Modul 2: system error OS-C167 Invalid configuration or Firmware error indication on display re-load Software from ZE			E	2
261080	E/A-Modul 2: system error OS-C167 fatal internal software error error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
261082	E/A-Modul 2: system error OS-C167 hardware-watchdog erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
261088	E/A-Modul 2: system error OS-C167 Configuration does not match software condition error indication on display Comparison SW-condition EAM-SW and configuration LICCON different, check LICCON-configuration, download EAM			E	2
261089	E/A-Modul 2: system error OS-C167 Incorrect version of firmware installed Error output, possible error functions of module Replace module, reload firmware			E	1
261090	E/A-Modul 2: system error OS-C167 Incorrect hardware version recognised Error output, possible error functions of module Replace module			E	1
272052	E/A-Modul 2: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:17		E	1
272053	E/A-Modul 2: input/output DEA0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:17		E	1
272054	E/A-Modul 2: input/output DEA0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:17		E	1
272055	E/A-Modul 2: input/output DEA0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
272152	E/A-Modul 2: input/output DEA1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:15		E	1
272153	E/A-Modul 2: input/output DEA1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:15		E	1
272154	E/A-Modul 2: input/output DEA1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:15		E	1
272155	E/A-Modul 2: input/output DEA1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:15		E	1
272252	E/A-Modul 2: input/output DEA2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:13		E	1
272253	E/A-Modul 2: input/output DEA2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:13		E	1
272254	E/A-Modul 2: input/output DEA2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:13		E	1
272255	E/A-Modul 2: input/output DEA2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:13		E	1
272352	E/A-Modul 2: input/output DEA3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:11		E	1
272353	E/A-Modul 2: input/output DEA3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
272354	E/A-Modul 2: input/output DEA3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:11		E	1
272355	E/A-Modul 2: input/output DEA3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:11		E	1
272452	E/A-Modul 2: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:9		E	1
272453	E/A-Modul 2: input/output DEA4 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:9		E	1
272454	E/A-Modul 2: input/output DEA4 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:9		E	1
272455	E/A-Modul 2: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:9		E	1
272552	E/A-Modul 2: input/output DEA5 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:7		E	1
272553	E/A-Modul 2: input/output DEA5 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:7		E	1
272554	E/A-Modul 2: input/output DEA5 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:7		E	1
272555	E/A-Modul 2: input/output DEA5 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
272652	E/A-Modul 2: input/output DEA6 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:5		E	1
272653	E/A-Modul 2: input/output DEA6 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:5		E	1
272654	E/A-Modul 2: input/output DEA6 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:5		E	1
272655	E/A-Modul 2: input/output DEA6 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:5		E	1
272752	E/A-Modul 2: input/output DEA7 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:3		E	1
272753	E/A-Modul 2: input/output DEA7 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:3		E	1
272754	E/A-Modul 2: input/output DEA7 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:3		E	1
272755	E/A-Modul 2: input/output DEA7 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:3		E	1
273481	E/A-Modul 2: voltage input E4 short circuit to supply voltage, open line function is not carried out check input signal on the E/A-Modul or sensor	X622:9		E	1
273581	E/A-Modul 2: voltage input E5 short circuit to supply voltage, open line symbol for compressed air supply 1 is flashing on the display unit check input signal on the E/A-Modul or sensor	X622:7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
273681	E/A-Modul 2: voltage input E6 short circuit to supply voltage, open line symbol for compressed air supply 2 is flashing on the display unit check input signal on the E/A-Modul or sensor	X622:5		E	1
273781	E/A-Modul 2: voltage input E7 short circuit to supply voltage, open line symbol for compressed air supply 3 is flashing on the display unit check input signal on the E/A-Modul or sensor	X622:3		E	1
273782	E/A-Modul 2: voltage input E7 short circuit to ground, open line, constant current 10 mA incorrect no reaction check input signal on the E/A-Modul or sensor	X622:3		E	1
273783	E/A-Modul 2: voltage input E7 short circuit to supply voltage, open line, lack of voltage no reaction check input signal on the E/A-Modul or sensor	X622:3		E	1
279052	E/A-Modul 2: output A0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:18		E	1
279053	E/A-Modul 2: output A0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:18		E	1
279054	E/A-Modul 2: output A0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:18		E	1
279055	E/A-Modul 2: output A0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:18		E	1
279152	E/A-Modul 2: output A1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:16		E	1
279153	E/A-Modul 2: output A1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
279154	E/A-Modul 2: output A1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:16		E	1
279155	E/A-Modul 2: output A1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:16		E	1
279250	E/A-Modul 2: bridge output A2 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X623:14		E	1
279251	E/A-Modul 2: bridge output A2 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X623:14		E	1
279252	E/A-Modul 2: bridge output A2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:14		E	1
279253	E/A-Modul 2: bridge output A2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:14		E	1
279254	E/A-Modul 2: bridge output A2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:14		E	1
279255	E/A-Modul 2: bridge output A2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:14		E	1
279350	E/A-Modul 2: bridge output A3 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X623:12		E	1
279351	E/A-Modul 2: bridge output A3 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X623:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
279352	E/A-Modul 2: bridge output A3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X623:12		E	1
279353	E/A-Modul 2: bridge output A3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X623:12		E	1
279354	E/A-Modul 2: bridge output A3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X623:12		E	1
279355	E/A-Modul 2: bridge output A3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X623:12		E	1
283301	E/A-Modul 2: SPI-display unit Faulty data transfer E/A-module<>unit (time exceeded) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X624:1/2/3/5/6/ 7/8		E	1
283302	E/A-Modul 2: SPI-display unit Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X624:1/2/3/5/6/ 7/8		E	1
283303	E/A-Modul 2: SPI-display unit break in line or short circuit to supply voltage error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X624:1/2/3/5/6/ 7/8		E	1
283304	E/A-Modul 2: SPI-display unit break in line or short circuit to ground error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X624:1/2/3/5/6/ 7/8		E	1
283306	E/A-Modul 2: SPI-display unit Data transfer faulty (faulty check byte) error indication on display suppress EMV- interference	X624:1/2/3/5/6/ 7/8		E	1
283307	E/A-Modul 2: SPI-display unit Unit faulty/missing, incorrect unit inserted (ID) error indication on display check periphery and replace if necessary, check Software version, check EMV- interference	X624:1/2/3/5/6/ 7/8		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
283308	E/A-Modul 2: SPI-display unit Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X624:1/2/3/5/6/7/8		E	1
283900	E/A-Modul 2: Control operating unit (SPI) Faulty initialisation data connection E/A-module<>unit error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X624:1/2/3/5/6/7/8		E	1
283902	E/A-Modul 2: Control operating unit (SPI) Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X624:1/2/3/5/6/7/8		E	1
283905	E/A-Modul 2: Control operating unit (SPI) Initialisation error, resetting inputs/outputs faulty error indication on display check wiring, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X624:1/2/3/5/6/7/8		E	1
283907	E/A-Modul 2: Control operating unit (SPI) Unit faulty/missing, incorrect unit inserted (ID) error indication on display connect functional periphery unit, system then eliminates error independently	X624:1/2/3/5/6/7/8		E	1
283908	E/A-Modul 2: Control operating unit (SPI) Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X624:1/2/3/5/6/7/8		E	1
284104	E/A-Modul 2: LSB-B participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
284105	E/A-Modul 2: LSB-B participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
284118	E/A-Modul 2: LSB-B participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
284150	E/A-Modul 2: LSB-B participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284151	E/A-Modul 2: LSB-B participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284153	E/A-Modul 2: LSB-B participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284154	E/A-Modul 2: LSB-B participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
284164	E/A-Modul 2: LSB-B participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
284165	E/A-Modul 2: LSB-B participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
284166	E/A-Modul 2: LSB-B participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
284167	E/A-Modul 2: LSB-B participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
284204	E/A-Modul 2: LSB-B participant address 2 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
284205	E/A-Modul 2: LSB-B participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
284218	E/A-Modul 2: LSB-B participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284250	E/A-Modul 2: LSB-B participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
284251	E/A-Modul 2: LSB-B participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284253	E/A-Modul 2: LSB-B participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284254	E/A-Modul 2: LSB-B participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
284264	E/A-Modul 2: LSB-B participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
284265	E/A-Modul 2: LSB-B participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
284266	E/A-Modul 2: LSB-B participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
284267	E/A-Modul 2: LSB-B participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
284304	E/A-Modul 2: LSB-B participant address 3 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
284305	E/A-Modul 2: LSB-B participant address 3 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284318	E/A-Modul 2: LSB-B participant address 3 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
284350	E/A-Modul 2: LSB-B participant address 3 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
284351	E/A-Modul 2: LSB-B participant address 3 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284353	E/A-Modul 2: LSB-B participant address 3 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284354	E/A-Modul 2: LSB-B participant address 3 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
284364	E/A-Modul 2: LSB-B participant address 3 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
284365	E/A-Modul 2: LSB-B participant address 3 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
284366	E/A-Modul 2: LSB-B participant address 3 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
284367	E/A-Modul 2: LSB-B participant address 3 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
284404	E/A-Modul 2: LSB-B participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284405	E/A-Modul 2: LSB-B participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
284418	E/A-Modul 2: LSB-B participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
284450	E/A-Modul 2: LSB-B participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
284451	E/A-Modul 2: LSB-B participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284453	E/A-Modul 2: LSB-B participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284454	E/A-Modul 2: LSB-B participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
284464	E/A-Modul 2: LSB-B participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
284465	E/A-Modul 2: LSB-B participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
284466	E/A-Modul 2: LSB-B participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
284467	E/A-Modul 2: LSB-B participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284504	E/A-Modul 2: LSB-B participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
284505	E/A-Modul 2: LSB-B participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
284518	E/A-Modul 2: LSB-B participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
284550	E/A-Modul 2: LSB-B participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
284551	E/A-Modul 2: LSB-B participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284553	E/A-Modul 2: LSB-B participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284554	E/A-Modul 2: LSB-B participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
284564	E/A-Modul 2: LSB-B participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
284565	E/A-Modul 2: LSB-B participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
284566	E/A-Modul 2: LSB-B participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284567	E/A-Modul 2: LSB-B participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
284604	E/A-Modul 2: LSB-B participant address 6 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
284605	E/A-Modul 2: LSB-B participant address 6 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
284618	E/A-Modul 2: LSB-B participant address 6 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
284650	E/A-Modul 2: LSB-B participant address 6 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
284651	E/A-Modul 2: LSB-B participant address 6 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284653	E/A-Modul 2: LSB-B participant address 6 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284654	E/A-Modul 2: LSB-B participant address 6 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
284664	E/A-Modul 2: LSB-B participant address 6 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
284665	E/A-Modul 2: LSB-B participant address 6 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284666	E/A-Modul 2: LSB-B participant address 6 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
284667	E/A-Modul 2: LSB-B participant address 6 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
284704	E/A-Modul 2: LSB-B participant address 7 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
284705	E/A-Modul 2: LSB-B participant address 7 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
284718	E/A-Modul 2: LSB-B participant address 7 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
284750	E/A-Modul 2: LSB-B participant address 7 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
284751	E/A-Modul 2: LSB-B participant address 7 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284753	E/A-Modul 2: LSB-B participant address 7 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284754	E/A-Modul 2: LSB-B participant address 7 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
284764	E/A-Modul 2: LSB-B participant address 7 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284765	E/A-Modul 2: LSB-B participant address 7 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
284766	E/A-Modul 2: LSB-B participant address 7 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
284767	E/A-Modul 2: LSB-B participant address 7 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
284804	E/A-Modul 2: LSB-B participant address 8 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
284805	E/A-Modul 2: LSB-B participant address 8 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
284818	E/A-Modul 2: LSB-B participant address 8 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
284850	E/A-Modul 2: LSB-B participant address 8 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
284851	E/A-Modul 2: LSB-B participant address 8 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
284853	E/A-Modul 2: LSB-B participant address 8 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
284854	E/A-Modul 2: LSB-B participant address 8 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
284864	E/A-Modul 2: LSB-B participant address 8 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
284865	E/A-Modul 2: LSB-B participant address 8 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
284866	E/A-Modul 2: LSB-B participant address 8 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
284867	E/A-Modul 2: LSB-B participant address 8 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
285004	E/A-Modul 2: LSB-B participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
285005	E/A-Modul 2: LSB-B participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
285018	E/A-Modul 2: LSB-B participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
285050	E/A-Modul 2: LSB-B participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
285051	E/A-Modul 2: LSB-B participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
285053	E/A-Modul 2: LSB-B participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
285054	E/A-Modul 2: LSB-B participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
285064	E/A-Modul 2: LSB-B participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
285065	E/A-Modul 2: LSB-B participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
285066	E/A-Modul 2: LSB-B participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
285067	E/A-Modul 2: LSB-B participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
285104	E/A-Modul 2: LSB-B participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
285105	E/A-Modul 2: LSB-B participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
285118	E/A-Modul 2: LSB-B participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
285150	E/A-Modul 2: LSB-B participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2
285151	E/A-Modul 2: LSB-B participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
285153	E/A-Modul 2: LSB-B participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
285154	E/A-Modul 2: LSB-B participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
285164	E/A-Modul 2: LSB-B participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
285165	E/A-Modul 2: LSB-B participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
285166	E/A-Modul 2: LSB-B participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
285167	E/A-Modul 2: LSB-B participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
285604	E/A-Modul 2: LSB-B participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X623:4/6		E	1
285605	E/A-Modul 2: LSB-B participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X623:4/6		E	1
285618	E/A-Modul 2: LSB-B participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X623:4/6		E	0
285650	E/A-Modul 2: LSB-B participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
285651	E/A-Modul 2: LSB-B participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X623:4/6		E	2
285653	E/A-Modul 2: LSB-B participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X623:4/6		E	1
285654	E/A-Modul 2: LSB-B participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X623:4/6		E	2
285664	E/A-Modul 2: LSB-B participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X623:4/6		E	1
285665	E/A-Modul 2: LSB-B participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X623:4/6		E	2
285666	E/A-Modul 2: LSB-B participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X623:4/6		E	2
285667	E/A-Modul 2: LSB-B participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X623:4/6		E	1
287252	E/A-Modul 2: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X623:4/6		E	0
287255	E/A-Modul 2: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X623:4/6		E	2
287256	E/A-Modul 2: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
287257	E/A-Modul 2: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X623:4/6		E	1
287258	E/A-Modul 2: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X623:4/6		E	0
287259	E/A-Modul 2: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X623:4/6		E	0
287260	E/A-Modul 2: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X623:4/6		E	2
287261	E/A-Modul 2: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X623:4/6		E	2
287262	E/A-Modul 2: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X623:4/6		E	2
287530	E/A-Modul 2: CAN-participant engine Data transfer subscriber transfer cycle exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X625:5/6		E	1
287531	E/A-Modul 2: CAN-participant engine Data transfer faulty/missing, max. cycle time exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X625:5/6		E	1
287630	E/A-Modul 2: CAN-participant gear Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X625:5/6		E	1
287631	E/A-Modul 2: CAN-participant gear Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X625:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
287730	E/A-Modul 2: CAN-participant ABV (ABS/ASR) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X625:5/6		E	1
287731	E/A-Modul 2: CAN-participant ABV (ABS/ASR) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X625:5/6		E	1
287930	E/A-Modul 2: CAN-participant retarder Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X625:5/6		E	1
287931	E/A-Modul 2: CAN-participant retarder Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X625:5/6		E	1
288030	E/A-Modul 2: CAN-user converter clutch unit CCU Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X625:5/6		E	1
288031	E/A-Modul 2: CAN-user converter clutch unit CCU Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X625:5/6		E	1
288530	E/A-Modul 2: CAN-participant E/A-Modul 1 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X625:5/6		E	1
288531	E/A-Modul 2: CAN-participant E/A-Modul 1 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X625:5/6		E	1
288630	E/A-Modul 2: CAN-participant E/A-Modul 2 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X625:5/6		E	1
288631	E/A-Modul 2: CAN-participant E/A-Modul 2 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X625:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
288930	E/A-Modul 2: CAN-participant E/A-Modul 5 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X625:5/6		E	1
288931	E/A-Modul 2: CAN-participant E/A-Modul 5 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X625:5/6		E	1
289900	E/A-Modul 2: Control data transfer CAN internal error at Register-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X625:5/6		E	2
289901	E/A-Modul 2: Control data transfer CAN internal error at RAM-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X625:5/6		E	2
289902	E/A-Modul 2: Control data transfer CAN Configuration error Software internal error, CAN-transmission will be aborted replace E/A-Modul, check Software (test system ZE)	X625:5/6		E	2
289903	E/A-Modul 2: Control data transfer CAN Transfer interrupted after continuous error CAN-Transmission will be aborted check bus lines/neutral point, replace neutral point or E/A-Modul	X625:5/6		E	1
289910	E/A-Modul 2: Control data transfer CAN short-term error in bus connection re-attachment of Modul to bus transmission check bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	X625:5/6		E	1
289911	E/A-Modul 2: Control data transfer CAN permanent error bus connection cyclic re-attachment of Modul to bus transmission check bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	X625:5/6		E	1
289920	E/A-Modul 2: Control data transfer CAN active participant not responding parameterised substitute values for receiver signals will be used check error report for missing participant(s), test system ZE	X625:5/6		E	1
289921	E/A-Modul 2: Control data transfer CAN No active subscriber responding parameterised substitute values for receiver signals will be used in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X625:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
289950	E/A-Modul 2: Control data transfer CAN erroneous command test system no reaction to unknown test system control command in CAN-System Software check Software (test system)	X625:5/6		E	1
292001	E/A-Modul 2: control engine long-term disruption E/A-Modul <-> engine control engine control and E/A-Modul at emergency speed engine control and E/A-Modul, check CAN-bus-connections			E	1
293500	E/A-Modul 2: control heating/air conditioning servo-motor heating, circulated/fresh air or screen/foot erroneous servo motor relays a high signal to the diagnosis output check water valve and air flaps of the heating or check servo motor			E	1
294190	E/A-Modul 2: LSB-bus participant ZE missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
294191	E/A-Modul 2: LSB-bus participant E/A-Modul 1 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
294193	E/A-Modul 2: LSB-bus participant E/A-Modul 3 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
294194	E/A-Modul 2: LSB-bus participant E/A-Modul 4 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
294195	E/A-Modul 2: LSB-bus participant E/A-Modul 5 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
295050	E/A-Modul 2: operation engine no engine start possible as engine already recognized as ON function is not carried out			B	
295055	E/A-Modul 2: operation engine STOP, ignition operators cab in upper-carriage operation mode function is not carried out			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
295056	E/A-Modul 2: operation engine STOP, ignition operators cab in under-carriage operation mode function is not carried out			B	
295059	E/A-Modul 2: operation engine no start, CAN-connection E/A-Modul <-> engine elec. malfunc function is not carried out			B	
295060	E/A-Modul 2: operation engine no start, gears not in N function is not carried out			B	
295061	E/A-Modul 2: operation engine no start, no operation mode recognised function is not carried out			B	
295062	E/A-Modul 2: operation engine no start, ignition upper/under-carriage switched on function is not carried out			B	
295063	E/A-Modul 2: operation engine no start, engine-STOP-key activated in right support unit function is not carried out			B	
295064	E/A-Modul 2: operation engine no start, engine-STOP-key activated in left support unit function is not carried out			B	
295065	E/A-Modul 2: operation engine no start, key activated in support unit function is not carried out			B	
295079	E/A-Modul 2: operation engine support box-operation mode prevented: gears not in neutral function is not carried out			B	
295080	E/A-Modul 2: operation engine travel operation not possible when key activated on support box function is not carried out			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
295500	E/A-Modul 2: operation axle suspension function simultaneously ON and OFF function is not carried out do not simultaneously activate contrasting function keys			B	
295511	E/A-Modul 2: operation axle suspension unauthorised switching on of function function is not carried out start engine and repeat operation			B	
295513	E/A-Modul 2: operation axle suspension unauthorised function activation function is not carried out start engine and repeat operation			B	
295900	E/A-Modul 2: operation longitudinal lock function simultaneously ON and OFF function is not carried out do not simultaneously activate contrasting function keys			B	
295911	E/A-Modul 2: operation longitudinal lock unauthorised switching on of function function is not carried out start engine and repeat operation			B	
295912	E/A-Modul 2: operation longitudinal lock unauthorised switching off of function function is not carried out start engine and repeat operation			B	
295913	E/A-Modul 2: operation longitudinal lock unauthorised function activation function is not carried out start engine and repeat operation			B	
295914	E/A-Modul 2: operation longitudinal lock activation of function without operation mode function is not carried out start engine and repeat operation			B	
300001	ZE 3: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
300002	ZE 3: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300006	ZE 3: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
300007	ZE 3: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
300010	ZE 3: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
300011	ZE 3: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
300012	ZE 3: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
300013	ZE 3: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
300014	ZE 3: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped			E	2
300015	ZE 3: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped			E	2
300016	ZE 3: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped			E	2
300017	ZE 3: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300018	ZE 3: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
300019	ZE 3: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
300020	ZE 3: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2
300021	ZE 3: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
300022	ZE 3: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
300023	ZE 3: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2
300024	ZE 3: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped			E	2
300025	ZE 3: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped			E	2
300026	ZE 3: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped			E	2
300030	ZE 3: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300041	ZE 3: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped			E	2
300044	ZE 3: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped			E	2
300045	ZE 3: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped			E	2
300046	ZE 3: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped			E	2
300047	ZE 3: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped			E	2
300048	ZE 3: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped			E	2
300049	ZE 3: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
300050	ZE 3: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped			E	2
300051	ZE 3: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped			E	2
300052	ZE 3: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300053	ZE 3: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
300054	ZE 3: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
300055	ZE 3: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2
300056	ZE 3: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2
300057	ZE 3: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
300058	ZE 3: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
300059	ZE 3: system error OS-HC11 (observe parameters) subroutine not reenterant entry in error memory, all crane movements will be stopped			E	2
300060	ZE 3: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
300061	ZE 3: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
300062	ZE 3: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300063	ZE 3: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
300065	ZE 3: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped			E	2
300066	ZE 3: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
300067	ZE 3: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
300068	ZE 3: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
300070	ZE 3: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2
300071	ZE 3: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible			E	2
300072	ZE 3: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible			E	2
300073	ZE 3: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped			E	2
300074	ZE 3: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300075	ZE 3: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
300076	ZE 3: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
300077	ZE 3: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2
300078	ZE 3: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2
300079	ZE 3: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
300080	ZE 3: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2
300081	ZE 3: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped			E	2
300082	ZE 3: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
300094	ZE 3: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
300095	ZE 3: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300099	ZE 3: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
302001	ZE 3: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
302002	ZE 3: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
302006	ZE 3: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
302007	ZE 3: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
302020	ZE 3: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
302021	ZE 3: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
302082	ZE 3: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
310012	ZE 3: output 0 short circuit to ground	X73:16		E	1
310013	ZE 3: output 0 open signal circuits	X73:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310014	ZE 3: output 0 short circuit to supply voltage	X73:16		E	1
310054	ZE 3: output 0 short circuit to supply voltage	X73:16		E	1
310058	ZE 3: output 0 positive switching transistor: disruption	X73:16		E	1
310060	ZE 3: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:16		E	1
310062	ZE 3: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:16		E	1
310063	ZE 3: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:16		E	1
310070	ZE 3: output 0 measuring system defect no crane operation possible entry in error list	X73:16		E	1
310071	ZE 3: output 0 short circuit to ground or transistor defect	X73:16		E	1
310072	ZE 3: output 0 outside source feeding	X73:16		E	1
310073	ZE 3: output 0 open circuit or short circuit to supply voltage/ground	X73:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310112	ZE 3: output 1 short circuit to ground	X73:17		E	1
310113	ZE 3: output 1 open signal circuits	X73:17		E	1
310114	ZE 3: output 1 short circuit to supply voltage	X73:17		E	1
310154	ZE 3: output 1 short circuit to supply voltage	X73:17		E	1
310158	ZE 3: output 1 positive switching transistor: disruption	X73:17		E	1
310160	ZE 3: output 1 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:17		E	1
310162	ZE 3: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:17		E	1
310163	ZE 3: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:17		E	1
310170	ZE 3: output 1 measuring system defect no crane operation possible entry in error list	X73:17		E	1
310171	ZE 3: output 1 short circuit to ground or transistor defect	X73:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310172	ZE 3: output 1 outside source feeding	X73:17		E	1
310173	ZE 3: output 1 open circuit or short circuit to supply voltage/ground	X73:17		E	1
310212	ZE 3: output 2 short circuit to ground	X73:18		E	1
310213	ZE 3: output 2 open signal circuits	X73:18		E	1
310214	ZE 3: output 2 short circuit to supply voltage	X73:18		E	1
310254	ZE 3: output 2 short circuit to supply voltage	X73:18		E	1
310258	ZE 3: output 2 positive switching transistor: disruption	X73:18		E	1
310270	ZE 3: output 2 measuring system defect no crane operation possible entry in error list	X73:18		E	1
310271	ZE 3: output 2 short circuit to ground or transistor defect	X73:18		E	1
310272	ZE 3: output 2 outside source feeding	X73:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310273	ZE 3: output 2 open circuit or short circuit to supply voltage/ground	X73:18		E	1
310312	ZE 3: output 3 short circuit to ground	X73:19		E	1
310313	ZE 3: output 3 open signal circuits	X73:19		E	1
310314	ZE 3: output 3 short circuit to supply voltage	X73:19		E	1
310354	ZE 3: output 3 short circuit to supply voltage	X73:19		E	1
310358	ZE 3: output 3 positive switching transistor: disruption	X73:19		E	1
310360	ZE 3: output 3 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:19		E	1
310362	ZE 3: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:19		E	1
310363	ZE 3: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:19		E	1
310370	ZE 3: output 3 measuring system defect no crane operation possible entry in error list	X73:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310371	ZE 3: output 3 short circuit to ground or transistor defect	X73:19		E	1
310372	ZE 3: output 3 outside source feeding	X73:19		E	1
310373	ZE 3: output 3 open circuit or short circuit to supply voltage/ground	X73:19		E	1
310412	ZE 3: output 4 short circuit to ground	X73:20		E	1
310413	ZE 3: output 4 open signal circuits	X73:20		E	1
310414	ZE 3: output 4 short circuit to supply voltage	X73:20		E	1
310454	ZE 3: output 4 short circuit to supply voltage	X73:20		E	1
310458	ZE 3: output 4 positive switching transistor: disruption	X73:20		E	1
310460	ZE 3: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:20		E	1
310462	ZE 3: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310463	ZE 3: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:20		E	1
310470	ZE 3: output 4 measuring system defect no crane operation possible entry in error list	X73:20		E	1
310471	ZE 3: output 4 short circuit to ground or transistor defect	X73:20		E	1
310472	ZE 3: output 4 outside source feeding	X73:20		E	1
310473	ZE 3: output 4 open circuit or short circuit to supply voltage/ground	X73:20		E	1
310512	ZE 3: output 5 short circuit to ground	X73:21		E	1
310513	ZE 3: output 5 open signal circuits	X73:21		E	1
310514	ZE 3: output 5 short circuit to supply voltage	X73:21		E	1
310554	ZE 3: output 5 short circuit to supply voltage	X73:21		E	1
310558	ZE 3: output 5 positive switching transistor: disruption	X73:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310560	ZE 3: output 5 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:21		E	1
310562	ZE 3: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:21		E	1
310563	ZE 3: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:21		E	1
310570	ZE 3: output 5 measuring system defect no crane operation possible entry in error list	X73:21		E	1
310571	ZE 3: output 5 short circuit to ground or transistor defect	X73:21		E	1
310572	ZE 3: output 5 outside source feeding	X73:21		E	1
310573	ZE 3: output 5 open circuit or short circuit to supply voltage/ground	X73:21		E	1
310612	ZE 3: output 6 short circuit to ground	X73:22		E	1
310613	ZE 3: output 6 open signal circuits	X73:22		E	1
310614	ZE 3: output 6 short circuit to supply voltage	X73:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310654	ZE 3: output 6 short circuit to supply voltage	X73:22		E	1
310658	ZE 3: output 6 positive switching transistor: disruption	X73:22		E	1
310670	ZE 3: output 6 measuring system defect no crane operation possible entry in error list	X73:22		E	1
310671	ZE 3: output 6 short circuit to ground or transistor defect	X73:22		E	1
310672	ZE 3: output 6 outside source feeding	X73:22		E	1
310673	ZE 3: output 6 open circuit or short circuit to supply voltage/ground	X73:22		E	1
310712	ZE 3: output 7 short circuit to ground	X73:23		E	1
310713	ZE 3: output 7 open signal circuits	X73:23		E	1
310714	ZE 3: output 7 short circuit to supply voltage	X73:23		E	1
310754	ZE 3: output 7 short circuit to supply voltage	X73:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310758	ZE 3: output 7 positive switching transistor: disruption	X73:23		E	1
310760	ZE 3: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:23		E	1
310762	ZE 3: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:23		E	1
310763	ZE 3: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:23		E	1
310770	ZE 3: output 7 measuring system defect no crane operation possible entry in error list	X73:23		E	1
310771	ZE 3: output 7 short circuit to ground or transistor defect	X73:23		E	1
310772	ZE 3: output 7 outside source feeding	X73:23		E	1
310773	ZE 3: output 7 open circuit or short circuit to supply voltage/ground	X73:23		E	1
314959	ZE 3: all output supply voltage missing	X73		E	1
315059	ZE 3: output group 0 supply voltage missing	X73:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
315159	ZE 3: output group 1 supply voltage missing	X73:24		E	1
315259	ZE 3: output group 2 supply voltage missing	X73:25		E	1
315359	ZE 3: output group 3 supply voltage missing	X73:13		E	1
320004	ZE 3: LSB participant address 0 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
320005	ZE 3: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
320018	ZE 3: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
320050	ZE 3: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
320051	ZE 3: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
320053	ZE 3: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
320054	ZE 3: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320064	ZE 3: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
320065	ZE 3: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
320066	ZE 3: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
320067	ZE 3: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
320104	ZE 3: LSB participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
320105	ZE 3: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
320118	ZE 3: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
320150	ZE 3: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
320151	ZE 3: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
320153	ZE 3: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320154	ZE 3: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
320164	ZE 3: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
320165	ZE 3: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
320166	ZE 3: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
320167	ZE 3: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
320804	ZE 3: LSB participant address 8 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
320805	ZE 3: LSB participant address 8 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
320818	ZE 3: LSB participant address 8 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
320850	ZE 3: LSB participant address 8 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
320851	ZE 3: LSB participant address 8 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320853	ZE 3: LSB participant address 8 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
320854	ZE 3: LSB participant address 8 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
320864	ZE 3: LSB participant address 8 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
320865	ZE 3: LSB participant address 8 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
320866	ZE 3: LSB participant address 8 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
320867	ZE 3: LSB participant address 8 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
320904	ZE 3: LSB participant address 9 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
320905	ZE 3: LSB participant address 9 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
320918	ZE 3: LSB participant address 9 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
320950	ZE 3: LSB participant address 9 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320951	ZE 3: LSB participant address 9 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
320953	ZE 3: LSB participant address 9 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
320954	ZE 3: LSB participant address 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
320964	ZE 3: LSB participant address 9 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
320965	ZE 3: LSB participant address 9 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
320966	ZE 3: LSB participant address 9 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
320967	ZE 3: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321004	ZE 3: LSB participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321005	ZE 3: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321018	ZE 3: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321050	ZE 3: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321051	ZE 3: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321053	ZE 3: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321054	ZE 3: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321064	ZE 3: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321065	ZE 3: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321066	ZE 3: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321067	ZE 3: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321104	ZE 3: LSB participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321105	ZE 3: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321118	ZE 3: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321150	ZE 3: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321151	ZE 3: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321153	ZE 3: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321154	ZE 3: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321164	ZE 3: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321165	ZE 3: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321166	ZE 3: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321167	ZE 3: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321204	ZE 3: LSB participant address 12 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321205	ZE 3: LSB participant address 12 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321218	ZE 3: LSB participant address 12 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321250	ZE 3: LSB participant address 12 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321251	ZE 3: LSB participant address 12 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321253	ZE 3: LSB participant address 12 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321254	ZE 3: LSB participant address 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321264	ZE 3: LSB participant address 12 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321265	ZE 3: LSB participant address 12 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321266	ZE 3: LSB participant address 12 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321267	ZE 3: LSB participant address 12 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321304	ZE 3: LSB participant address 13 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321305	ZE 3: LSB participant address 13 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321318	ZE 3: LSB participant address 13 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321350	ZE 3: LSB participant address 13 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321351	ZE 3: LSB participant address 13 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321353	ZE 3: LSB participant address 13 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321354	ZE 3: LSB participant address 13 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321364	ZE 3: LSB participant address 13 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321365	ZE 3: LSB participant address 13 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321366	ZE 3: LSB participant address 13 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321367	ZE 3: LSB participant address 13 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321404	ZE 3: LSB participant address 14 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321405	ZE 3: LSB participant address 14 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321418	ZE 3: LSB participant address 14 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321450	ZE 3: LSB participant address 14 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321451	ZE 3: LSB participant address 14 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321453	ZE 3: LSB participant address 14 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321454	ZE 3: LSB participant address 14 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321464	ZE 3: LSB participant address 14 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321465	ZE 3: LSB participant address 14 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321466	ZE 3: LSB participant address 14 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321467	ZE 3: LSB participant address 14 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321504	ZE 3: LSB participant address 15 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321505	ZE 3: LSB participant address 15 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321518	ZE 3: LSB participant address 15 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321550	ZE 3: LSB participant address 15 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321551	ZE 3: LSB participant address 15 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321553	ZE 3: LSB participant address 15 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321554	ZE 3: LSB participant address 15 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321564	ZE 3: LSB participant address 15 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321565	ZE 3: LSB participant address 15 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321566	ZE 3: LSB participant address 15 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321567	ZE 3: LSB participant address 15 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321604	ZE 3: LSB participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321605	ZE 3: LSB participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321618	ZE 3: LSB participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321650	ZE 3: LSB participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321651	ZE 3: LSB participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321653	ZE 3: LSB participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321654	ZE 3: LSB participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321664	ZE 3: LSB participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321665	ZE 3: LSB participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321666	ZE 3: LSB participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321667	ZE 3: LSB participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321704	ZE 3: LSB participant address 17 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321705	ZE 3: LSB participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321718	ZE 3: LSB participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321750	ZE 3: LSB participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321751	ZE 3: LSB participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321753	ZE 3: LSB participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321754	ZE 3: LSB participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321764	ZE 3: LSB participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321765	ZE 3: LSB participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321766	ZE 3: LSB participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321767	ZE 3: LSB participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321804	ZE 3: LSB participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321805	ZE 3: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321818	ZE 3: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321850	ZE 3: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321851	ZE 3: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321853	ZE 3: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321854	ZE 3: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321864	ZE 3: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321865	ZE 3: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321866	ZE 3: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321867	ZE 3: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321904	ZE 3: LSB participant address 19 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
321905	ZE 3: LSB participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321918	ZE 3: LSB participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321950	ZE 3: LSB participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321951	ZE 3: LSB participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321953	ZE 3: LSB participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321954	ZE 3: LSB participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321964	ZE 3: LSB participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
321965	ZE 3: LSB participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321966	ZE 3: LSB participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321967	ZE 3: LSB participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322004	ZE 3: LSB participant address 20 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322005	ZE 3: LSB participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322018	ZE 3: LSB participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322050	ZE 3: LSB participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322051	ZE 3: LSB participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322053	ZE 3: LSB participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322054	ZE 3: LSB participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322064	ZE 3: LSB participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322065	ZE 3: LSB participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322066	ZE 3: LSB participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322067	ZE 3: LSB participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322104	ZE 3: LSB participant address 21 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322105	ZE 3: LSB participant address 21 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322118	ZE 3: LSB participant address 21 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322150	ZE 3: LSB participant address 21 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322151	ZE 3: LSB participant address 21 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322153	ZE 3: LSB participant address 21 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322154	ZE 3: LSB participant address 21 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322164	ZE 3: LSB participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322165	ZE 3: LSB participant address 21 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322166	ZE 3: LSB participant address 21 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322167	ZE 3: LSB participant address 21 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322204	ZE 3: LSB participant address 22 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322205	ZE 3: LSB participant address 22 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322218	ZE 3: LSB participant address 22 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322250	ZE 3: LSB participant address 22 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322251	ZE 3: LSB participant address 22 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322253	ZE 3: LSB participant address 22 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322254	ZE 3: LSB participant address 22 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322264	ZE 3: LSB participant address 22 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322265	ZE 3: LSB participant address 22 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322266	ZE 3: LSB participant address 22 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322267	ZE 3: LSB participant address 22 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322304	ZE 3: LSB participant address 23 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322305	ZE 3: LSB participant address 23 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322318	ZE 3: LSB participant address 23 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322350	ZE 3: LSB participant address 23 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322351	ZE 3: LSB participant address 23 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322353	ZE 3: LSB participant address 23 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322354	ZE 3: LSB participant address 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322364	ZE 3: LSB participant address 23 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322365	ZE 3: LSB participant address 23 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322366	ZE 3: LSB participant address 23 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322367	ZE 3: LSB participant address 23 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322404	ZE 3: LSB participant address 24 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322405	ZE 3: LSB participant address 24 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322418	ZE 3: LSB participant address 24 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322450	ZE 3: LSB participant address 24 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322451	ZE 3: LSB participant address 24 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322453	ZE 3: LSB participant address 24 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322454	ZE 3: LSB participant address 24 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322464	ZE 3: LSB participant address 24 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322465	ZE 3: LSB participant address 24 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322466	ZE 3: LSB participant address 24 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322467	ZE 3: LSB participant address 24 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322504	ZE 3: LSB participant address 25 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322505	ZE 3: LSB participant address 25 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322518	ZE 3: LSB participant address 25 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322550	ZE 3: LSB participant address 25 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322551	ZE 3: LSB participant address 25 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322553	ZE 3: LSB participant address 25 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322554	ZE 3: LSB participant address 25 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322564	ZE 3: LSB participant address 25 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322565	ZE 3: LSB participant address 25 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322566	ZE 3: LSB participant address 25 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322567	ZE 3: LSB participant address 25 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322604	ZE 3: LSB participant address 26 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322605	ZE 3: LSB participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322618	ZE 3: LSB participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322650	ZE 3: LSB participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322651	ZE 3: LSB participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322653	ZE 3: LSB participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322654	ZE 3: LSB participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322664	ZE 3: LSB participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322665	ZE 3: LSB participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322666	ZE 3: LSB participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322667	ZE 3: LSB participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322704	ZE 3: LSB participant address 27 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322705	ZE 3: LSB participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322718	ZE 3: LSB participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322750	ZE 3: LSB participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322751	ZE 3: LSB participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322753	ZE 3: LSB participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322754	ZE 3: LSB participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322764	ZE 3: LSB participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322765	ZE 3: LSB participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322766	ZE 3: LSB participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322767	ZE 3: LSB participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322804	ZE 3: LSB participant address 28 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635C:z14/z16		E	1
322805	ZE 3: LSB participant address 28 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322818	ZE 3: LSB participant address 28 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322850	ZE 3: LSB participant address 28 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322851	ZE 3: LSB participant address 28 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322853	ZE 3: LSB participant address 28 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322854	ZE 3: LSB participant address 28 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322864	ZE 3: LSB participant address 28 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635C:z14/z16		E	1
322865	ZE 3: LSB participant address 28 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322866	ZE 3: LSB participant address 28 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322867	ZE 3: LSB participant address 28 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
323252	ZE 3: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635C:z14/z16		E	0
323255	ZE 3: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635C:z14/z16		E	2
323256	ZE 3: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635C:z14/z16		E	2
323257	ZE 3: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
323258	ZE 3: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635C:z14/z16		E	0
323259	ZE 3: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635C:z14/z16		E	0
323260	ZE 3: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635C:z14/z16		E	2
323261	ZE 3: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635C:z14/z16		E	2
323262	ZE 3: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635C:z14/z16		E	2
324814	ZE 3: input 0 short circuit to supply voltage Output of error Check: the sensor line for short-circuits, faulty sensors by pulling out the sensor, connections to the input plate	X635C:d2		E	1
324856	ZE 3: input 0 open circuit or short circuit to ground Output of error Check: Supply voltage, input LICCON, sensor lines for interruptions, faulty sensors by pulling out the sensor	X635C:d2		E	1
324914	ZE 3: input 1 short circuit to supply voltage Output of error Check: the sensor line for short-circuits, faulty sensors by pulling out the sensor, connections to the input plate	X635C:d4		E	1
324956	ZE 3: input 1 open circuit or short circuit to ground Output of error Check: Supply voltage, input LICCON, sensor lines for interruptions, faulty sensors by pulling out the sensor	X635C:d4		E	1
332200	ZE 3: control winch 3 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
332202	ZE 3: control winch 3 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory check supply, LICCON input, sensor lines to short or break, sensor			E	1
332300	ZE 3: control winch 4 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
332302	ZE 3: control winch 4 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory check supply, LICCON input, sensor lines to short or break, sensor			E	1
332500	ZE 3: control winch 6 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
332502	ZE 3: control winch 6 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory check supply, LICCON input, sensor lines to short or break, sensor			E	1
335201	ZE 3: operation winch 3 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
335203	ZE 3: operation winch 3 Shut-down jib lower Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
335204	ZE 3: operation winch 3 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
335205	ZE 3: operation winch 3 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	
335206	ZE 3: operation winch 3 upper angle limit OGW shut-down operational shut down reel winch out until the radius is within the load chart again - shut-down can be shunted (danger)			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335207	ZE 3: operation winch 3 lower angle limit UGW shut-down operational shut down reel winch in until the radius is within the load chart again - shut-down can be shunted (danger)			B	
335208	ZE 3: operation winch 3 luffing up main boom shut-down working area limitation ABB operational shut down reel winch out until crane in working area again - shunting through shutting down of working area limitation			B	
335209	ZE 3: operation winch 3 luffing down main boom shut-down working area limitation ABB operational shut down reel winch in until crane in working area again - shunting through shutting down of working area limitation			B	
335210	ZE 3: operation winch 3 fly jib upper stop shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335211	ZE 3: operation winch 3 fly jib upper flap shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335213	ZE 3: operation winch 3 shut-down as flap not positioned and angle threshold exceeded Operation conditional switch off, may not be shunted check as to why the flap is not in position - shut-down cannot be shunted			B	
335219	ZE 3: operation winch 3 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
335220	ZE 3: operation winch 3 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
335221	ZE 3: operation winch 3 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
335222	ZE 3: operation winch 3 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335224	ZE 3: operation winch 3 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
335226	ZE 3: operation winch 3 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
335227	ZE 3: operation winch 3 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
335228	ZE 3: operation winch 3 Shut-down upper limit angle main boom operational shut down Wind on winch until limit angle is fallen short of - shut-down may be shunted (danger).			B	
335229	ZE 3: operation winch 3 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 3 in control diagram.			B	
33522B	ZE 3: operation winch 3 Shut off Derrick ballast pulled > Derrick ballast max operational shut down Fix cause of "LMB Stop", see error message. Lift shut off is bypassable with "luff up at overload"			B	
335230	ZE 3: operation winch 3 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335232	ZE 3: operation winch 3 master switch 3 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335234	ZE 3: operation winch 3 Shut-down limit angle main boom - derrick Operation conditional switch off, may not be shunted Wind on winch until limit angle is fallen short of - shut-down may be shunted.			B	
335239	ZE 3: operation winch 3 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
33523E	ZE 3: operation winch 3 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1
335250	ZE 3: operation winch 3 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335251	ZE 3: operation winch 3 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335252	ZE 3: operation winch 3 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335254	ZE 3: operation winch 3 Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
335257	ZE 3: operation winch 3 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Re-establish pressure supply SA-frame - luffing down of main boom possible.			B	
335263	ZE 3: operation winch 3 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
335270	ZE 3: operation winch 3 shut-down both limit switches "flap in position" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335272	ZE 3: operation winch 3 shut-down both angle sensors "fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335273	ZE 3: operation winch 3 shut-down both limit switches "lower fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335274	ZE 3: operation winch 3 shut-down both limit switches "upper fly jib flap" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335275	ZE 3: operation winch 3 shut-down both limit switches "upper fly jib stop"defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335281	ZE 3: operation winch 3 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335282	ZE 3: operation winch 3 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335283	ZE 3: operation winch 3 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335285	ZE 3: operation winch 3 Shut-down limit switch right "RFP main boom" faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335286	ZE 3: operation winch 3 Shut-down limit switch "RFP Main boom" links faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335301	ZE 3: operation winch 4 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
335303	ZE 3: operation winch 4 Shut-down jib lower Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
335306	ZE 3: operation winch 4 upper angle limit OGW shut-down operational shut down reel winch out until the radius is within the load chart again - shut-down can be shunted (danger)			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335307	ZE 3: operation winch 4 lower angle limit UGW shut-down operational shut down reel winch in until the radius is within the load chart again - shut-down can be shunted (danger)			B	
335308	ZE 3: operation winch 4 luffing up main boom shut-down working area limitation ABB operational shut down reel winch out until crane in working area again - shunting through shutting down of working area limitation			B	
335309	ZE 3: operation winch 4 luffing down main boom shut-down working area limitation ABB operational shut down reel winch in until crane in working area again - shunting through shutting down of working area limitation			B	
335310	ZE 3: operation winch 4 fly jib upper stop shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335311	ZE 3: operation winch 4 fly jib upper flap shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335313	ZE 3: operation winch 4 shut-down as flap not positioned and angle threshold exceeded Operation conditional switch off, may not be shunted check as to why the flap is not in position - shut-down cannot be shunted			B	
335318	ZE 3: operation winch 4 Shut-down measuring point 1 < F min operational shut down Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
335319	ZE 3: operation winch 4 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
335320	ZE 3: operation winch 4 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
335321	ZE 3: operation winch 4 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335322	ZE 3: operation winch 4 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
335324	ZE 3: operation winch 4 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
335325	ZE 3: operation winch 4 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
335326	ZE 3: operation winch 4 Shut-down upper limit angle derrick OGWD operational shut down Wind on winch until derrick boom is in operating position - shut-down may be shunted (danger).			B	
335327	ZE 3: operation winch 4 Shut-down lower limit angle derrick UGWD operational shut down Wind off winch until derrick boom is in operating position - shut-down may be shunted (danger).			B	
335328	ZE 3: operation winch 4 Shut-down upper limit angle main boom operational shut down Wind on winch until limit angle is fallen short of - shut-down may be shunted (danger).			B	
335329	ZE 3: operation winch 4 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 4 in control diagram.			B	
33532B	ZE 3: operation winch 4 Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Fix cause of "LMB Stop", see error message			B	
335330	ZE 3: operation winch 4 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335332	ZE 3: operation winch 4 master switch 3 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335339	ZE 3: operation winch 4 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
33533E	ZE 3: operation winch 4 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1
335350	ZE 3: operation winch 4 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335351	ZE 3: operation winch 4 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335352	ZE 3: operation winch 4 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335354	ZE 3: operation winch 4 Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
335355	ZE 3: operation winch 4 Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Luff down derrick boom until limit switch no longer activated - Shut-down may not be shunted			B	
335356	ZE 3: operation winch 4 Shut-down angle SA-frame < minimal angle Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335357	ZE 3: operation winch 4 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Re-establish pressure supply SA-frame - shut-down may not be shunted.			B	
335363	ZE 3: operation winch 4 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335370	ZE 3: operation winch 4 shut-down both limit switches "flap in position" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335372	ZE 3: operation winch 4 shut-down both angle sensors "fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335373	ZE 3: operation winch 4 shut-down both limit switches "lower fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335374	ZE 3: operation winch 4 shut-down both limit switches "upper fly jib flap" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335375	ZE 3: operation winch 4 shut-down both limit switches "upper fly jib stop"defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335381	ZE 3: operation winch 4 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335382	ZE 3: operation winch 4 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335383	ZE 3: operation winch 4 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335385	ZE 3: operation winch 4 Shut-down limit switch right "RFP main boom" faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335386	ZE 3: operation winch 4 Shut-down limit switch "RFP Main boom" links faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335387	ZE 3: operation winch 4 Shut-down limit switch right "Overtop guard cyl D" faulty/not pres Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335388	ZE 3: operation winch 4 Shut-down limit switch left "Overtop guard cyl D" faulty/not preS Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335391	ZE 3: operation winch 4 Shut-down limit switch right "Limit angle SA-frame" faulty/not pres Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335392	ZE 3: operation winch 4 Shut-down limit switch left "Limit angle SA-frame" faulty/not prese Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335501	ZE 3: operation winch 6 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
335504	ZE 3: operation winch 6 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
335505	ZE 3: operation winch 6 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	
335519	ZE 3: operation winch 6 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
335520	ZE 3: operation winch 6 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
335521	ZE 3: operation winch 6 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335522	ZE 3: operation winch 6 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
335524	ZE 3: operation winch 6 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
335525	ZE 3: operation winch 6 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
335526	ZE 3: operation winch 6 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
335527	ZE 3: operation winch 6 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
335529	ZE 3: operation winch 6 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 6 in control diagram.			B	
33552B	ZE 3: operation winch 6 Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Fix cause of "LMB Stop", see error message			B	
335531	ZE 3: operation winch 6 master switch 2 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335539	ZE 3: operation winch 6 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
33553E	ZE 3: operation winch 6 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335550	ZE 3: operation winch 6 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335551	ZE 3: operation winch 6 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335552	ZE 3: operation winch 6 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335563	ZE 3: operation winch 6 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
335581	ZE 3: operation winch 6 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335582	ZE 3: operation winch 6 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335583	ZE 3: operation winch 6 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
336202	ZE 3: Operation crawler Shut-down counterweight on ground Operation conditional switch off, may not be shunted Raise suspended counterweight.			B	
336203	ZE 3: Operation crawler Shut-down support counterweight carriage is not retracted Operation conditional switch off, may not be shunted Retract support counterweight carriage completely.			B	
336205	ZE 3: Operation crawler Shut-down swing with parallel travel count. carriage not possible Operation conditional shut-down, shunting via lifting up keyswitch BW - only switch on if BW safely lifted Press tow-travel key until the wheels are in travel direction and the indicator lamp remains on.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
336206	ZE 3: Operation crawler Shut-down swing gear brake has not opened with tow-travel BW Operation conditional shut-down, shunting via lifting up keyswitch BW - only switch on if BW safely lifted Check: Brake valve swing gear - electrical selection, short-circuit or interruption, hydraulics.			B	
336207	ZE 3: Operation crawler Shut-down free swing gear is not on with tow-travel BW operational shut down Check: True run or brake swing gear - electrical selection, short-circuit or interruption, hydraulics.			B	
336208	ZE 3: Operation crawler Shut-down swing gear brake has opened with parallel travel BW Operation conditional switch off, may not be shunted Check: Brake valve swing gear - electrical selection, short-circuit following supply voltage, hydraulics.			B	
336209	ZE 3: Operation crawler Shut-down free swing gear is not on with parallel travel BW Operation conditional switch off, may not be shunted Check: True run or brake swing gear - electrical selection, short-circuit or interruption, hydraulics.			B	
336219	ZE 3: Operation crawler no or invalid operation mode shut-down operational shut down Using the additional error reports determine which error is present with ballast configuration.			B	
336220	ZE 3: Operation crawler High-speed gear crawler is not poss. - parallel op. crawler is on High speed crawler is not possible Switch off crawler parallel operation.			B	
33622B	ZE 3: Operation crawler Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Fix cause of "LMB Stop", see error message			B	
336230	ZE 3: Operation crawler Master switch 4 faulty/not present operational shut down Put foot pedal in zero position. Otherwise note system error for defective or missing sensors.			B	
336231	ZE 3: Operation crawler Master switch 5 faulty/not present operational shut down Put foot pedal in zero position. Otherwise note system error for defective or missing sensors.			B	
336233	ZE 3: Operation crawler Parallel operation differential path between crawlers too great operational shut down Switch off parallel crawler operation and switch on again, parallel operation is thus newly adjusted.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
336239	ZE 3: Operation crawler seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
33623E	ZE 3: Operation crawler Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1
336254	ZE 3: Operation crawler Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
336255	ZE 3: Operation crawler Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Luff down derrick boom until limit switch no longer activated - Shut-down may not be shunted			B	
336270	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" vo. left faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336271	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" vo. right faulty/not presen Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336272	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" hi. left faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336273	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" hi. right faulty/not presen Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336274	ZE 3: Operation crawler Shut-down limit switch "Support retracted" vo. faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336275	ZE 3: Operation crawler Shut-down limit switch "Support retracted" hi. faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
336285	ZE 3: Operation crawler Shut-down limit switch "RFP Main boom" right faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336286	ZE 3: Operation crawler Shut-down limit switch "RFP Main boom" links faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336287	ZE 3: Operation crawler Shut-down limit switch "Overtop guard cyl D" right faulty/not prese Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336288	ZE 3: Operation crawler Shut-down limit switch "Overtop guard cyl D" left faulty/not presen Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336942	ZE 3: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
336943	ZE 3: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
361001	E/A-Modul 3: system error OS-C167 initialising error processor-register erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
361002	E/A-Modul 3: system error OS-C167 initialising error test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
361006	E/A-Modul 3: system error OS-C167 initialising error RAM erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
361013	E/A-Modul 3: system error OS-C167 test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
361016	E/A-Modul 3: system error OS-C167 system-, driver-watchdog expired error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
361047	E/A-Modul 3: system error OS-C167 No feedback sign. for too long, signalling that sync. was successful Safety measure is initiated Check CAN network, check faulty Bus user.			E	1
361053	E/A-Modul 3: system error OS-C167 User stack too small Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
361068	E/A-Modul 3: system error OS-C167 impermissible interrupt error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
361071	E/A-Modul 3: system error OS-C167 Invalid configuration or Firmware error indication on display re-load Software from ZE			E	2
361080	E/A-Modul 3: system error OS-C167 fatal internal software error error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
361082	E/A-Modul 3: system error OS-C167 hardware-watchdog erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
361088	E/A-Modul 3: system error OS-C167 Configuration does not match software condition error indication on display Comparison SW-condition EAM-SW and configuration LICCON different, check LICCON-configuration, download EAM			E	2
361089	E/A-Modul 3: system error OS-C167 Incorrect version of firmware installed Error output, possible error functions of module Replace module, reload firmware			E	1
361090	E/A-Modul 3: system error OS-C167 Incorrect hardware version recognised Error output, possible error functions of module Replace module			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
372052	E/A-Modul 3: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:17		E	1
372053	E/A-Modul 3: input/output DEA0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:17		E	1
372054	E/A-Modul 3: input/output DEA0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:17		E	1
372055	E/A-Modul 3: input/output DEA0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:17		E	1
372152	E/A-Modul 3: input/output DEA1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:15		E	1
372153	E/A-Modul 3: input/output DEA1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:15		E	1
372154	E/A-Modul 3: input/output DEA1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:15		E	1
372155	E/A-Modul 3: input/output DEA1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:15		E	1
372252	E/A-Modul 3: input/output DEA2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:13		E	1
372253	E/A-Modul 3: input/output DEA2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:13		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
372254	E/A-Modul 3: input/output DEA2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:13		E	1
372255	E/A-Modul 3: input/output DEA2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:13		E	1
372352	E/A-Modul 3: input/output DEA3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:11		E	1
372353	E/A-Modul 3: input/output DEA3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:11		E	1
372354	E/A-Modul 3: input/output DEA3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:11		E	1
372355	E/A-Modul 3: input/output DEA3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:11		E	1
372452	E/A-Modul 3: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:9		E	1
372453	E/A-Modul 3: input/output DEA4 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:9		E	1
372454	E/A-Modul 3: input/output DEA4 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:9		E	1
372455	E/A-Modul 3: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
372552	E/A-Modul 3: input/output DEA5 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:7		E	1
372553	E/A-Modul 3: input/output DEA5 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:7		E	1
372554	E/A-Modul 3: input/output DEA5 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:7		E	1
372555	E/A-Modul 3: input/output DEA5 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:7		E	1
372652	E/A-Modul 3: input/output DEA6 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:5		E	1
372653	E/A-Modul 3: input/output DEA6 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:5		E	1
372654	E/A-Modul 3: input/output DEA6 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:5		E	1
372655	E/A-Modul 3: input/output DEA6 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:5		E	1
372752	E/A-Modul 3: input/output DEA7 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:3		E	1
372753	E/A-Modul 3: input/output DEA7 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:3		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
372754	E/A-Modul 3: input/output DEA7 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:3		E	1
372755	E/A-Modul 3: input/output DEA7 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:3		E	1
373117	E/A-Modul 3: current input E1 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X632:15		E	1
373179	E/A-Modul 3: current input E1 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X632:15		E	1
373180	E/A-Modul 3: current input E1 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X632:15		E	1
373217	E/A-Modul 3: current input E2 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X632:13		E	1
373279	E/A-Modul 3: current input E2 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X632:13		E	1
373280	E/A-Modul 3: current input E2 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X632:13		E	1
373417	E/A-Modul 3: voltage input E4 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:9		E	1
373479	E/A-Modul 3: voltage input E4 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
373480	E/A-Modul 3: voltage input E4 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:9		E	1
373517	E/A-Modul 3: voltage input E5 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:7		E	1
373579	E/A-Modul 3: voltage input E5 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:7		E	1
373580	E/A-Modul 3: voltage input E5 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:7		E	1
373617	E/A-Modul 3: voltage input E6 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:5		E	1
373679	E/A-Modul 3: voltage input E6 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:5		E	1
373680	E/A-Modul 3: voltage input E6 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X632:5		E	1
379052	E/A-Modul 3: output A0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:18		E	1
379053	E/A-Modul 3: output A0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:18		E	1
379054	E/A-Modul 3: output A0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
379055	E/A-Modul 3: output A0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:18		E	1
379152	E/A-Modul 3: output A1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:16		E	1
379153	E/A-Modul 3: output A1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:16		E	1
379154	E/A-Modul 3: output A1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:16		E	1
379155	E/A-Modul 3: output A1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:16		E	1
379250	E/A-Modul 3: bridge output A2 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X633:14		E	1
379251	E/A-Modul 3: bridge output A2 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X633:14		E	1
379252	E/A-Modul 3: bridge output A2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:14		E	1
379253	E/A-Modul 3: bridge output A2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:14		E	1
379254	E/A-Modul 3: bridge output A2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:14		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
379255	E/A-Modul 3: bridge output A2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:14		E	1
379350	E/A-Modul 3: bridge output A3 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X633:12		E	1
379351	E/A-Modul 3: bridge output A3 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X633:12		E	1
379352	E/A-Modul 3: bridge output A3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X633:12		E	1
379353	E/A-Modul 3: bridge output A3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X633:12		E	1
379354	E/A-Modul 3: bridge output A3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X633:12		E	1
379355	E/A-Modul 3: bridge output A3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X633:12		E	1
383501	E/A-Modul 3: SPI-support unit right Faulty data transfer E/A-module<>unit (time exceeded) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X634:1/2/3/5/6/ 7/8		E	1
383502	E/A-Modul 3: SPI-support unit right Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X634:1/2/3/5/6/ 7/8		E	1
383503	E/A-Modul 3: SPI-support unit right break in line or short circuit to supply voltage error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X634:1/2/3/5/6/ 7/8		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
383504	E/A-Modul 3: SPI-support unit right break in line or short circuit to ground error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X634:1/2/3/5/6/ 7/8		E	1
383506	E/A-Modul 3: SPI-support unit right Data transfer faulty (faulty check byte) error indication on display suppress EMV- interference	X634:1/2/3/5/6/ 7/8		E	1
383507	E/A-Modul 3: SPI-support unit right Unit faulty/missing, incorrect unit inserted (ID) error indication on display check periphery and replace if necessary, check Software version, check EMV- interference	X634:1/2/3/5/6/ 7/8		E	1
383508	E/A-Modul 3: SPI-support unit right Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X634:1/2/3/5/6/ 7/8		E	1
383900	E/A-Modul 3: Control operating unit (SPI) Faulty initialisation data connection E/A-module<>unit error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X634:1/2/3/5/6/ 7/8		E	1
383902	E/A-Modul 3: Control operating unit (SPI) Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X634:1/2/3/5/6/ 7/8		E	1
383905	E/A-Modul 3: Control operating unit (SPI) Initialisation error, resetting inputs/outputs faulty error indication on display check wiring, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X634:1/2/3/5/6/ 7/8		E	1
383907	E/A-Modul 3: Control operating unit (SPI) Unit faulty/missing, incorrect unit inserted (ID) error indication on display connect functional periphery unit, system then eliminates error independently	X634:1/2/3/5/6/ 7/8		E	1
383908	E/A-Modul 3: Control operating unit (SPI) Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X634:1/2/3/5/6/ 7/8		E	1
384104	E/A-Modul 3: LSB-B participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384105	E/A-Modul 3: LSB-B participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384118	E/A-Modul 3: LSB-B participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384150	E/A-Modul 3: LSB-B participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
384151	E/A-Modul 3: LSB-B participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
384153	E/A-Modul 3: LSB-B participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
384154	E/A-Modul 3: LSB-B participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
384164	E/A-Modul 3: LSB-B participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
384165	E/A-Modul 3: LSB-B participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
384166	E/A-Modul 3: LSB-B participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
384167	E/A-Modul 3: LSB-B participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384204	E/A-Modul 3: LSB-B participant address 2 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
384205	E/A-Modul 3: LSB-B participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384218	E/A-Modul 3: LSB-B participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384250	E/A-Modul 3: LSB-B participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
384251	E/A-Modul 3: LSB-B participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
384253	E/A-Modul 3: LSB-B participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
384254	E/A-Modul 3: LSB-B participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
384264	E/A-Modul 3: LSB-B participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
384265	E/A-Modul 3: LSB-B participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
384266	E/A-Modul 3: LSB-B participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384267	E/A-Modul 3: LSB-B participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
384304	E/A-Modul 3: LSB-B participant address 3 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
384305	E/A-Modul 3: LSB-B participant address 3 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384318	E/A-Modul 3: LSB-B participant address 3 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384350	E/A-Modul 3: LSB-B participant address 3 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
384351	E/A-Modul 3: LSB-B participant address 3 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
384353	E/A-Modul 3: LSB-B participant address 3 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
384354	E/A-Modul 3: LSB-B participant address 3 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
384364	E/A-Modul 3: LSB-B participant address 3 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
384365	E/A-Modul 3: LSB-B participant address 3 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384366	E/A-Modul 3: LSB-B participant address 3 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
384367	E/A-Modul 3: LSB-B participant address 3 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
384404	E/A-Modul 3: LSB-B participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
384405	E/A-Modul 3: LSB-B participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384418	E/A-Modul 3: LSB-B participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384450	E/A-Modul 3: LSB-B participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
384451	E/A-Modul 3: LSB-B participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
384453	E/A-Modul 3: LSB-B participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
384454	E/A-Modul 3: LSB-B participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
384464	E/A-Modul 3: LSB-B participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384465	E/A-Modul 3: LSB-B participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
384466	E/A-Modul 3: LSB-B participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
384467	E/A-Modul 3: LSB-B participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
384504	E/A-Modul 3: LSB-B participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
384505	E/A-Modul 3: LSB-B participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384518	E/A-Modul 3: LSB-B participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384550	E/A-Modul 3: LSB-B participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
384551	E/A-Modul 3: LSB-B participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
384553	E/A-Modul 3: LSB-B participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
384554	E/A-Modul 3: LSB-B participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384564	E/A-Modul 3: LSB-B participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
384565	E/A-Modul 3: LSB-B participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
384566	E/A-Modul 3: LSB-B participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
384567	E/A-Modul 3: LSB-B participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
384604	E/A-Modul 3: LSB-B participant address 6 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
384605	E/A-Modul 3: LSB-B participant address 6 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384618	E/A-Modul 3: LSB-B participant address 6 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384650	E/A-Modul 3: LSB-B participant address 6 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
384651	E/A-Modul 3: LSB-B participant address 6 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
384653	E/A-Modul 3: LSB-B participant address 6 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384654	E/A-Modul 3: LSB-B participant address 6 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
384664	E/A-Modul 3: LSB-B participant address 6 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
384665	E/A-Modul 3: LSB-B participant address 6 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
384666	E/A-Modul 3: LSB-B participant address 6 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
384667	E/A-Modul 3: LSB-B participant address 6 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
384704	E/A-Modul 3: LSB-B participant address 7 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
384705	E/A-Modul 3: LSB-B participant address 7 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384718	E/A-Modul 3: LSB-B participant address 7 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384750	E/A-Modul 3: LSB-B participant address 7 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
384751	E/A-Modul 3: LSB-B participant address 7 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384753	E/A-Modul 3: LSB-B participant address 7 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
384754	E/A-Modul 3: LSB-B participant address 7 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
384764	E/A-Modul 3: LSB-B participant address 7 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
384765	E/A-Modul 3: LSB-B participant address 7 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
384766	E/A-Modul 3: LSB-B participant address 7 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
384767	E/A-Modul 3: LSB-B participant address 7 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
384804	E/A-Modul 3: LSB-B participant address 8 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
384805	E/A-Modul 3: LSB-B participant address 8 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
384818	E/A-Modul 3: LSB-B participant address 8 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
384850	E/A-Modul 3: LSB-B participant address 8 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
384851	E/A-Modul 3: LSB-B participant address 8 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
384853	E/A-Modul 3: LSB-B participant address 8 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
384854	E/A-Modul 3: LSB-B participant address 8 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
384864	E/A-Modul 3: LSB-B participant address 8 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
384865	E/A-Modul 3: LSB-B participant address 8 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
384866	E/A-Modul 3: LSB-B participant address 8 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
384867	E/A-Modul 3: LSB-B participant address 8 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
385004	E/A-Modul 3: LSB-B participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
385005	E/A-Modul 3: LSB-B participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
385018	E/A-Modul 3: LSB-B participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
385050	E/A-Modul 3: LSB-B participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
385051	E/A-Modul 3: LSB-B participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
385053	E/A-Modul 3: LSB-B participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
385054	E/A-Modul 3: LSB-B participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
385064	E/A-Modul 3: LSB-B participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
385065	E/A-Modul 3: LSB-B participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
385066	E/A-Modul 3: LSB-B participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
385067	E/A-Modul 3: LSB-B participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
385104	E/A-Modul 3: LSB-B participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
385105	E/A-Modul 3: LSB-B participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
385118	E/A-Modul 3: LSB-B participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
385150	E/A-Modul 3: LSB-B participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
385151	E/A-Modul 3: LSB-B participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
385153	E/A-Modul 3: LSB-B participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
385154	E/A-Modul 3: LSB-B participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
385164	E/A-Modul 3: LSB-B participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
385165	E/A-Modul 3: LSB-B participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
385166	E/A-Modul 3: LSB-B participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
385167	E/A-Modul 3: LSB-B participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
385604	E/A-Modul 3: LSB-B participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
385605	E/A-Modul 3: LSB-B participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
385618	E/A-Modul 3: LSB-B participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
385650	E/A-Modul 3: LSB-B participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
385651	E/A-Modul 3: LSB-B participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
385653	E/A-Modul 3: LSB-B participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
385654	E/A-Modul 3: LSB-B participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
385664	E/A-Modul 3: LSB-B participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
385665	E/A-Modul 3: LSB-B participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
385666	E/A-Modul 3: LSB-B participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
385667	E/A-Modul 3: LSB-B participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
385704	E/A-Modul 3: LSB-B participant address 17 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
385705	E/A-Modul 3: LSB-B participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
385718	E/A-Modul 3: LSB-B participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
385750	E/A-Modul 3: LSB-B participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
385751	E/A-Modul 3: LSB-B participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
385753	E/A-Modul 3: LSB-B participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
385754	E/A-Modul 3: LSB-B participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
385764	E/A-Modul 3: LSB-B participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
385765	E/A-Modul 3: LSB-B participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
385766	E/A-Modul 3: LSB-B participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
385767	E/A-Modul 3: LSB-B participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
385804	E/A-Modul 3: LSB-B participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
385805	E/A-Modul 3: LSB-B participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
385818	E/A-Modul 3: LSB-B participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
385850	E/A-Modul 3: LSB-B participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
385851	E/A-Modul 3: LSB-B participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
385853	E/A-Modul 3: LSB-B participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
385854	E/A-Modul 3: LSB-B participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
385864	E/A-Modul 3: LSB-B participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
385865	E/A-Modul 3: LSB-B participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
385866	E/A-Modul 3: LSB-B participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
385867	E/A-Modul 3: LSB-B participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
385904	E/A-Modul 3: LSB-B participant address 19 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
385905	E/A-Modul 3: LSB-B participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
385918	E/A-Modul 3: LSB-B participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
385950	E/A-Modul 3: LSB-B participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
385951	E/A-Modul 3: LSB-B participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
385953	E/A-Modul 3: LSB-B participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
385954	E/A-Modul 3: LSB-B participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
385964	E/A-Modul 3: LSB-B participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
385965	E/A-Modul 3: LSB-B participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
385966	E/A-Modul 3: LSB-B participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
385967	E/A-Modul 3: LSB-B participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
386004	E/A-Modul 3: LSB-B participant address 20 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
386005	E/A-Modul 3: LSB-B participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
386018	E/A-Modul 3: LSB-B participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
386050	E/A-Modul 3: LSB-B participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
386051	E/A-Modul 3: LSB-B participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
386053	E/A-Modul 3: LSB-B participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
386054	E/A-Modul 3: LSB-B participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
386064	E/A-Modul 3: LSB-B participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
386065	E/A-Modul 3: LSB-B participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
386066	E/A-Modul 3: LSB-B participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
386067	E/A-Modul 3: LSB-B participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
386604	E/A-Modul 3: LSB-B participant address 26 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
386605	E/A-Modul 3: LSB-B participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
386618	E/A-Modul 3: LSB-B participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
386650	E/A-Modul 3: LSB-B participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
386651	E/A-Modul 3: LSB-B participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
386653	E/A-Modul 3: LSB-B participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
386654	E/A-Modul 3: LSB-B participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
386664	E/A-Modul 3: LSB-B participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
386665	E/A-Modul 3: LSB-B participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
386666	E/A-Modul 3: LSB-B participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
386667	E/A-Modul 3: LSB-B participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
386704	E/A-Modul 3: LSB-B participant address 27 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
386705	E/A-Modul 3: LSB-B participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
386718	E/A-Modul 3: LSB-B participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
386750	E/A-Modul 3: LSB-B participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
386751	E/A-Modul 3: LSB-B participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
386753	E/A-Modul 3: LSB-B participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
386754	E/A-Modul 3: LSB-B participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
386764	E/A-Modul 3: LSB-B participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
386765	E/A-Modul 3: LSB-B participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
386766	E/A-Modul 3: LSB-B participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
386767	E/A-Modul 3: LSB-B participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
386804	E/A-Modul 3: LSB-B participant address 28 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
386805	E/A-Modul 3: LSB-B participant address 28 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
386818	E/A-Modul 3: LSB-B participant address 28 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0
386850	E/A-Modul 3: LSB-B participant address 28 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
386851	E/A-Modul 3: LSB-B participant address 28 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
386853	E/A-Modul 3: LSB-B participant address 28 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
386854	E/A-Modul 3: LSB-B participant address 28 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
386864	E/A-Modul 3: LSB-B participant address 28 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
386865	E/A-Modul 3: LSB-B participant address 28 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
386866	E/A-Modul 3: LSB-B participant address 28 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
386867	E/A-Modul 3: LSB-B participant address 28 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
386904	E/A-Modul 3: LSB-B participant address 29 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X633:4/6		E	1
386905	E/A-Modul 3: LSB-B participant address 29 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X633:4/6		E	1
386918	E/A-Modul 3: LSB-B participant address 29 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X633:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
386950	E/A-Modul 3: LSB-B participant address 29 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X633:4/6		E	2
386951	E/A-Modul 3: LSB-B participant address 29 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X633:4/6		E	2
386953	E/A-Modul 3: LSB-B participant address 29 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X633:4/6		E	1
386954	E/A-Modul 3: LSB-B participant address 29 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X633:4/6		E	2
386964	E/A-Modul 3: LSB-B participant address 29 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X633:4/6		E	1
386965	E/A-Modul 3: LSB-B participant address 29 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X633:4/6		E	2
386966	E/A-Modul 3: LSB-B participant address 29 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X633:4/6		E	2
386967	E/A-Modul 3: LSB-B participant address 29 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X633:4/6		E	1
387252	E/A-Modul 3: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X633:4/6		E	0
387255	E/A-Modul 3: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X633:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
387256	E/A-Modul 3: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X633:4/6		E	2
387257	E/A-Modul 3: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X633:4/6		E	1
387258	E/A-Modul 3: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X633:4/6		E	0
387259	E/A-Modul 3: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X633:4/6		E	0
387260	E/A-Modul 3: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X633:4/6		E	2
387261	E/A-Modul 3: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X633:4/6		E	2
387262	E/A-Modul 3: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X633:4/6		E	2
388130	E/A-Modul 3: CAN-subscriber steering valve 1 (EHS1) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X635:5/3		E	0
388131	E/A-Modul 3: CAN-subscriber steering valve 1 (EHS1) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X635:5/3		E	1
388230	E/A-Modul 3: CAN-subscriber steering valve 2 (EHS2) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X635:5/4		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
388231	E/A-Modul 3: CAN-subscriber steering valve 2 (EHS2) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X635:5/4		E	1
388330	E/A-Modul 3: CAN-subscriber steering valve 3 (EHS3) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X635:5/5		E	0
388331	E/A-Modul 3: CAN-subscriber steering valve 3 (EHS3) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X635:5/5		E	1
388430	E/A-Modul 3: CAN-subscriber steering valve 4 (EHS4) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X635:5/6		E	0
388431	E/A-Modul 3: CAN-subscriber steering valve 4 (EHS4) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X635:5/6		E	1
388730	E/A-Modul 3: CAN-participant E/A-Modul 3 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X635:5/6		E	0
388731	E/A-Modul 3: CAN-participant E/A-Modul 3 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X635:5/6		E	1
388830	E/A-Modul 3: CAN-participant E/A-Modul 4 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X635:5/6		E	1
388831	E/A-Modul 3: CAN-participant E/A-Modul 4 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X635:5/6		E	1
389731	E/A-Modul 3: CAN-transmission analogous input values Data transfer faulty/missing, max. cycle time exceeded System message could not be transmitted Check CAN network, check faulty Bus user.	X635:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
389831	E/A-Modul 3: CAN-transmission system time (master) Data transfer faulty/missing, max. cycle time exceeded System message could not be transmitted Check CAN network, check faulty Bus user.	X635:5/6		E	1
389900	E/A-Modul 3: Control data transfer CAN internal error at Register-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X635:5/6		E	2
389901	E/A-Modul 3: Control data transfer CAN internal error at RAM-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X635:5/6		E	2
389902	E/A-Modul 3: Control data transfer CAN Configuration error Software internal error, CAN-transmission will be aborted replace E/A-Modul, check Software (test system ZE)	X635:5/6		E	2
389903	E/A-Modul 3: Control data transfer CAN Transfer interrupted after continuous error CAN-Transmission will be aborted Check CAN network, replace E/A-Modul	X635:5/6		E	1
389910	E/A-Modul 3: Control data transfer CAN short-term error in bus connection re-attachment of Modul to bus transmission Check CAN network, connect individual Bus users and check if error has been remedied	X635:5/6		E	0
389911	E/A-Modul 3: Control data transfer CAN permanent error bus connection cyclic re-attachment of Modul to bus transmission Check CAN network, connect individual Bus users and check if error has been remedied	X635:5/6		E	1
389920	E/A-Modul 3: Control data transfer CAN active participant not responding parameterised substitute values for receiver signals will be used check error report for missing participant(s), test system ZE	X635:5/6		E	0
389921	E/A-Modul 3: Control data transfer CAN No active subscriber responding parameterised substitute values for receiver signals will be used in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X635:5/6		E	1
389950	E/A-Modul 3: Control data transfer CAN erroneous command test system no reaction to unknown test system control command in CAN-System Software check Software (test system)	X635:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
391111	E/A-Modul 3: Proportional valve steering axle LA1 CAN-communication with E/A-module faulty/lacking (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391112	E/A-Modul 3: Proportional valve steering axle LA1 CAN-communication with E/A-module faulty/lacking (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391113	E/A-Modul 3: Proportional valve steering axle LA1 CAN-communication with E/A-module implausible (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391114	E/A-Modul 3: Proportional valve steering axle LA1 CAN-communication with E/A-module implausible (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391115	E/A-Modul 3: Proportional valve steering axle LA1 Voltage supply/PWM-control faulty Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391116	E/A-Modul 3: Proportional valve steering axle LA1 Internal error, EEPROM-memory inconsistent Valve is not controlled (neutral position), secondary measures possibly required Check valve configuration, replace valve			E	1
391117	E/A-Modul 3: Proportional valve steering axle LA1 Reference value valve not neutral due to continuous error Valve is not controlled (neutral position), secondary measures possibly required Remedy fault, activate/deactivate ignition			E	1
391121	E/A-Modul 3: Proportional valve steering axle LA1 Voltage supply below permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391122	E/A-Modul 3: Proportional valve steering axle LA1 Voltage supply above permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391123	E/A-Modul 3: Proportional valve steering axle LA1 Slide deflected too short; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve; replace valve; errors may be resulted from engine stalling			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
391124	E/A-Modul 3: Proportional valve steering axle LA1 Slide deflected too far; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
391125	E/A-Modul 3: Proportional valve steering axle LA1 Valve float position not reached Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
391126	E/A-Modul 3: Proportional valve steering axle LA1 Manual actuation With fault-free valve and neutral set value, error report only No manual operation possible, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1
391131	E/A-Modul 3: Proportional valve steering axle LA1 Voltage supply below 8V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391132	E/A-Modul 3: Proportional valve steering axle LA1 Voltage supply above 36..45V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391141	E/A-Modul 3: Proportional valve steering axle LA1 Voltage supply above 45V, internal emergency shut-down Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391142	E/A-Modul 3: Proportional valve steering axle LA1 Power amplifier error solenoid valve servo-control Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1
391143	E/A-Modul 3: Proportional valve steering axle LA1 Distance converter valve stroke faulty Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1
391181	E/A-Modul 3: Proportional valve steering axle LA1 Slide valve can not be shifted into neutral position Internal emergency shut-down, possible valve can not switch to neutral, secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
391182	E/A-Modul 3: Proportional valve steering axle LA1 Slide valve not in neutral position upon activation Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
391311	E/A-Modul 3: Proportional valve steering axle LA3 CAN-communication with E/A-module faulty/lacking (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391312	E/A-Modul 3: Proportional valve steering axle LA3 CAN-communication with E/A-module faulty/lacking (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391313	E/A-Modul 3: Proportional valve steering axle LA3 CAN-communication with E/A-module implausible (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391314	E/A-Modul 3: Proportional valve steering axle LA3 CAN-communication with E/A-module implausible (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
391315	E/A-Modul 3: Proportional valve steering axle LA3 Voltage supply/PWM-control faulty Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391316	E/A-Modul 3: Proportional valve steering axle LA3 Internal error, EEPROM-memory inconsistent Valve is not controlled (neutral position), secondary measures possibly required Check valve configuration, replace valve			E	1
391317	E/A-Modul 3: Proportional valve steering axle LA3 Reference value valve not neutral due to continuous error Valve is not controlled (neutral position), secondary measures possibly required Remedy fault, activate/deactivate ignition			E	1
391321	E/A-Modul 3: Proportional valve steering axle LA3 Voltage supply below permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391322	E/A-Modul 3: Proportional valve steering axle LA3 Voltage supply above permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391323	E/A-Modul 3: Proportional valve steering axle LA3 Slide deflected too short; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve; replace valve; errors may be resulted from engine stalling			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
391324	E/A-Modul 3: Proportional valve steering axle LA3 Slide deflected too far; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
391325	E/A-Modul 3: Proportional valve steering axle LA3 Valve float position not reached Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
391326	E/A-Modul 3: Proportional valve steering axle LA3 Manual actuation With fault-free valve and neutral set value, error report only No manual operation possible, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1
391331	E/A-Modul 3: Proportional valve steering axle LA3 Voltage supply below 8V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391332	E/A-Modul 3: Proportional valve steering axle LA3 Voltage supply above 36..45V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391341	E/A-Modul 3: Proportional valve steering axle LA3 Voltage supply above 45V, internal emergency shut-down Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
391342	E/A-Modul 3: Proportional valve steering axle LA3 Power amplifier error solenoid valve servo-control Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1
391343	E/A-Modul 3: Proportional valve steering axle LA3 Distance converter valve stroke faulty Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1
391381	E/A-Modul 3: Proportional valve steering axle LA3 Slide valve can not be shifted into neutral position Internal emergency shut-down, possible valve can not switch to neutral, secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
391382	E/A-Modul 3: Proportional valve steering axle LA3 Slide valve not in neutral position upon activation Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
392510	E/A-Modul 3: control axle suspension/level signals from transfer contact "axle elevated" simultaneous IN raise axles 3+4 function defective, function can be carried out with defective feedback change-contact pressure switch >120 bar, Check cabling to short against supply voltage			E	1
392511	E/A-Modul 3: control axle suspension/level signals from transfer contact "axle elevated" simultaneous OUT raise axles 3+4 function defective, function can be carried out with defective feedback change-contact pressure switch >120 bar, check cabling for wire break, fuse Kl.15			E	1
392830	E/A-Modul 3: control supports location coding for right support unit erroneous (set value = 0) support functions are blocked check line connection to E/A-Modul, check ground connection from signal, replace E/A-Modul			E	2
392832	E/A-Modul 3: control supports right support unit key sticking or activated after switching on right support blocked check/unplug/replace support operating unit release activated key			E	1
394000	E/A-Modul 3: Control active rear axle steering Sensor values channel A/B are not synchronised Safety measure is initiated check cable/plugs for UB- or shorts to ground			E	1
394001	E/A-Modul 3: Control active rear axle steering Local sensor values are not synchronised Safety measure is initiated check cable/plugs for UB- or shorts to ground			E	1
394002	E/A-Modul 3: Control active rear axle steering Low voltage on voltage supply from I / O module Safety measure is initiated Check cable/plug on UB- or short circuit after ground or low voltage at engine ON			E	1
394003	E/A-Modul 3: Control active rear axle steering Signal from angle sensor front axle faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
394004	E/A-Modul 3: Control active rear axle steering Signals from channel A/B angle sensor front axle implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
394010	E/A-Modul 3: Control active rear axle steering Signal from angle sensor steering axle 1 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
394011	E/A-Modul 3: Control active rear axle steering Signals from channel A/B angle sensor steering axle 1 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
394017	E/A-Modul 3: Control active rear axle steering Signal from angle sensor steering axle 2 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
394018	E/A-Modul 3: Control active rear axle steering Signals from channel A/B angle sensor steering axle 2 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
394024	E/A-Modul 3: Control active rear axle steering Signal from angle sensor steering axle 3 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
394025	E/A-Modul 3: Control active rear axle steering Signals from channel A/B angle sensor steering axle 3 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
394031	E/A-Modul 3: Control active rear axle steering Signal from angle sensor steering axle 4 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
394032	E/A-Modul 3: Control active rear axle steering Signals from channel A/B angle sensor steering axle 4 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
394035	E/A-Modul 3: Control active rear axle steering Steering axle 1 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
394036	E/A-Modul 3: Control active rear axle steering Steering axle 2 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
394037	E/A-Modul 3: Control active rear axle steering Steering axle 3 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
394038	E/A-Modul 3: Control active rear axle steering Steering axle 4 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
394040	E/A-Modul 3: Control active rear axle steering Pressure supply centring circuit too low with speed > 10 km/h Safety measure is initiated Measure input signals on E/A-module, check pressure switch or hydraulic supply			E	1
394041	E/A-Modul 3: Control active rear axle steering Pressure supply centring circuit too high after ignition ON Safety measure is initiated Measure input signals on E/A-module, check pressure switch or hydraulic supply			E	1
394042	E/A-Modul 3: Control active rear axle steering Signals press. switch centr. circuit both ON / short circuit to Vcc Safety measure is initiated Measure input signals on E/A-module or check pressure switch			E	1
394043	E/A-Modul 3: Control active rear axle steering Sig. press. switch centr. circle both OFF/wire break/short circ. earth Safety measure is initiated Measure input signals on E/A-module or check pressure switch			E	1
394051	E/A-Modul 3: Control active rear axle steering Error in program run Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
394052	E/A-Modul 3: Control active rear axle steering Checksum faulty Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
394053	E/A-Modul 3: Control active rear axle steering Signal flow sensor pre-tensioning centring cyl.: Oil supply too low Safety measure is initiated Check input signals on E/A-module, flow switch or hydraulic supply			E	1
394054	E/A-Modul 3: Control active rear axle steering Signal flow sensor pre-tensioning centring cyl.: Sensor faulty/missing Safety measure is initiated Check input signals on E/A-module, flow switch or hydraulic supply			E	1
394056	E/A-Modul 3: Control active rear axle steering Signal flow sensor pretension centring cylinder: line break Safety measure is initiated Check input signals on E/A-module, flow switch or hydraulic supply			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
394058	E/A-Modul 3: Control active rear axle steering Actuator values from opposite side are too old Safety measure is initiated Check CAN network, check faulty Bus user.			E	1
394059	E/A-Modul 3: Control active rear axle steering Actuator values difference with opposite side too great Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
394060	E/A-Modul 3: Control active rear axle steering CAN- values from I / O module 3 are not plausible Safety measure is initiated Check cable/plug on UB- or short circuit after ground or low voltage at engine Start			E	1
394061	E/A-Modul 3: Control active rear axle steering CAN- values from I / O module 4 are not plausible Safety measure is initiated Check cable/plug on UB- or short circuit after ground or low voltage at engine Start			E	1
394062	E/A-Modul 3: Control active rear axle steering Outlet centring valves trans. faulty or short circ. following earth Safety measure is initiated Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1
394064	E/A-Modul 3: Control active rear axle steering Outlet locking valve 1 trans. faulty or short circ. following earth Safety measure is initiated Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1
394066	E/A-Modul 3: Control active rear axle steering Outlet locking valve 2 trans. faulty or short circ. following earth Safety measure is initiated Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1
394067	E/A-Modul 3: Control active rear axle steering Power feedback measuring determines too great a difference in current error report on display Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1
394070	E/A-Modul 3: Control active rear axle steering Signal Travel speed tachograph faulty/missing Error report, replacement value 100 km/h, axles are reset depending on operation type Speed signal tacho, check CAN1, EAM1, EAM5, ECU, LSB			E	1
394071	E/A-Modul 3: Control active rear axle steering Signal travel speed output gear sensor faulty/lacking Error report, replacement value 100 km/h, axles are reset depending on operation type Output gear speed, gear control unit, output sensor, check CAN			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
394072	E/A-Modul 3: Control active rear axle steering Signal travel speed tacho<->gear impl./outside tolerance Error report, replacement value 100 km/h, axles are reset depending on operation type Speed signal tacho, check output gear speed			E	1
394073	E/A-Modul 3: Control active rear axle steering Signal engine speed diesel engine faulty/missing Error report, value is zeroed Speed signal ECU, check CAN1, ECU, EAM5, LSB			E	1
394075	E/A-Modul 3: Control active rear axle steering Steering axle 1 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
394076	E/A-Modul 3: Control active rear axle steering Steering axle 2 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
394077	E/A-Modul 3: Control active rear axle steering Steering axle 3 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
394078	E/A-Modul 3: Control active rear axle steering Steering axle 4 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
394080	E/A-Modul 3: Control active rear axle steering Set value specifica. operation type from operating unit faulty/missing Steering becomes faulty following time-out EAM1, operating unit, check LSB			E	1
394082	E/A-Modul 3: Control active rear axle steering Return report steering status left faulty/missing Steering becomes faulty following time-out Steering, check LSB			E	1
394085	E/A-Modul 3: Control active rear axle steering Error in computer at opposite side Safety measure is initiated Read error code on other module and remedy error			E	1
394090	E/A-Modul 3: Control active rear axle steering Diagnosis centring valve: steering axle 1 not centring error report on display			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
394091	E/A-Modul 3: Control active rear axle steering Diagnosis centring valve: steering axle 2 not centring error report on display Check whether valve is mechanically jammed			E	1
394092	E/A-Modul 3: Control active rear axle steering Diagnosis centring valve: steering axle 3 not centring error report on display Check whether valve is mechanically jammed			E	1
394093	E/A-Modul 3: Control active rear axle steering Diagnosis freewheel valve: steering axle 4 not freewheeling error report on display Check whether valve is mechanically jammed			E	1
394094	E/A-Modul 3: Control active rear axle steering Diagnosis locking valve: steering axle 1 not locking error report on display Check whether valve is mechanically jammed			E	1
394095	E/A-Modul 3: Control active rear axle steering Diagnosis locking valve: steering axle 2 not locking error report on display Check whether valve is mechanically jammed			E	1
394096	E/A-Modul 3: Control active rear axle steering Diagnosis locking valve: steering axle 3 not locking error report on display Check whether valve is mechanically jammed			E	1
394185	E/A-Modul 3: LSB-bus participant Support pressure transducer front right faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394186	E/A-Modul 3: LSB-bus participant Support pressure transducer front left faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394187	E/A-Modul 3: LSB-bus participant Support pressure transducer rear right faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394188	E/A-Modul 3: LSB-bus participant Support pressure transducer rear left faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
394189	E/A-Modul 3: LSB-bus participant Incline sensor erroneous/ missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394190	E/A-Modul 3: LSB-bus participant ZE missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394191	E/A-Modul 3: LSB-bus participant E/A-Modul 1 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394192	E/A-Modul 3: LSB-bus participant E/A-Modul 2 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394194	E/A-Modul 3: LSB-bus participant E/A-Modul 4 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
394195	E/A-Modul 3: LSB-bus participant E/A-Modul 5 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
396408	E/A-Modul 3: operation supports unauthorised operation from upper-carriage function is not carried out check coding of E/A-Modul 3 and E/A-Modul 4 (see electric circuit diagram)			B	
396409	E/A-Modul 3: operation supports unauthorised operation from under-carriage function is not carried out check coding of E/A-Modul 3 and E/A-Modul 4 (see electric circuit diagram)			B	
396440	E/A-Modul 3: operation supports simultaneous UP and DOWN operation of support control unit function is not carried out actuate UP key or DOWN key of the respective support operating unit, start test program support service unit			B	
396441	E/A-Modul 3: operation supports simultaneous IN and OUT operation of support control unit function is not carried out actuate OFF key or ON key of the respective support operating unit, start test program support operating unit			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
396442	E/A-Modul 3: operation supports simultaneous UP and DOWN operation on upper-carriage monitor function is not carried out actuate UP key or DOWN key of the respective support operating unit, start test program support service unit			B	
396443	E/A-Modul 3: operation supports simultaneous IN and OUT operation on upper-carriage monitor function is not carried out actuate OFF key or ON key of the respective support operating unit, start test program support operating unit			B	
396444	E/A-Modul 3: operation supports simultaneous left and right operation of support control unit function is not carried out actuate support from only one operating position, start test program support operating unit			B	
396445	E/A-Modul 3: operation supports simultaneous operation of support control unit and upper-carriage function is not carried out actuate support from only one operating position, start test program support operating unit			B	
396446	E/A-Modul 3: operation supports simultaneous operation of support control unit and upper-carriage function is not carried out actuate support from only one operating position, start test program support operating unit			B	
396447	E/A-Modul 3: operation supports operation of support control unit with travel direction D engaged function is not carried out switch transmission to neutral (N)			B	
396448	E/A-Modul 3: operation supports operation of support control unit with travel direction R engaged function is not carried out switch transmission to neutral (N)			B	
396449	E/A-Modul 3: operation supports op. of upper-carriage monitor with travel direction D engaged function is not carried out switch transmission to neutral (N)			B	
396450	E/A-Modul 3: operation supports operation of upper-carriage-monitor R function is not carried out switch transmission to neutral (N)			B	
396451	E/A-Modul 3: operation supports unauthorised activation of right support control unit key right support blocked release activated key after having authorized function through hand- key			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
398028	E/A-Modul 3: Operation active rear axle steering Wheel collision last mech. steered and 1st electr. steered axle Output of error Turn the steering wheel in the other direction			B	
398030	E/A-Modul 3: Operation active rear axle steering Switch-over operation type prevented: Travel speed too high			B	
398031	E/A-Modul 3: Operation active rear axle steering Change-over operation type prevented: Adjust axles manually			B	
399890	E/A-Modul 3: operation diagnosis system test program not executable as engine is not OFF function is not carried out shut down engine			B	
399892	E/A-Modul 3: operation diagnosis system test program not executable as not in under-carriage op. mode function is not carried out switch over uppercarriage/undercarriage-change-switch to undercarriage operation mode			B	
400001	ZE 4: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
400002	ZE 4: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
400006	ZE 4: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
400007	ZE 4: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
400010	ZE 4: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400011	ZE 4: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
400012	ZE 4: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
400013	ZE 4: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
400014	ZE 4: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped			E	2
400015	ZE 4: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped			E	2
400016	ZE 4: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped			E	2
400017	ZE 4: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped			E	2
400018	ZE 4: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
400019	ZE 4: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
400020	ZE 4: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400021	ZE 4: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400022	ZE 4: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
400023	ZE 4: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2
400024	ZE 4: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped			E	2
400025	ZE 4: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped			E	2
400026	ZE 4: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped			E	2
400030	ZE 4: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped			E	2
400041	ZE 4: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped			E	2
400044	ZE 4: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped			E	2
400045	ZE 4: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400046	ZE 4: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped			E	2
400047	ZE 4: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped			E	2
400048	ZE 4: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped			E	2
400049	ZE 4: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
400050	ZE 4: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped			E	2
400051	ZE 4: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped			E	2
400052	ZE 4: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped			E	2
400053	ZE 4: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
400054	ZE 4: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
400055	ZE 4: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400056	ZE 4: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2
400057	ZE 4: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
400058	ZE 4: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
400059	ZE 4: system error OS-HC11 (observe parameters) subroutine not reenterant entry in error memory, all crane movements will be stopped			E	2
400060	ZE 4: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
400061	ZE 4: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
400062	ZE 4: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
400063	ZE 4: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
400065	ZE 4: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped			E	2
400066	ZE 4: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400067	ZE 4: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400068	ZE 4: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400070	ZE 4: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2
400071	ZE 4: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible			E	2
400072	ZE 4: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible			E	2
400073	ZE 4: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped			E	2
400074	ZE 4: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped			E	2
400075	ZE 4: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400076	ZE 4: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
400077	ZE 4: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400078	ZE 4: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2
400079	ZE 4: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
400080	ZE 4: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2
400081	ZE 4: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped			E	2
400082	ZE 4: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400094	ZE 4: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
400095	ZE 4: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
400099	ZE 4: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
402001	ZE 4: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
402002	ZE 4: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
402006	ZE 4: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
402007	ZE 4: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
402020	ZE 4: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
402021	ZE 4: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
402082	ZE 4: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
410012	ZE 4: output 0 short circuit to ground	X74:16		E	1
410013	ZE 4: output 0 open signal circuits	X74:16		E	1
410014	ZE 4: output 0 short circuit to supply voltage	X74:16		E	1
410054	ZE 4: output 0 short circuit to supply voltage	X74:16		E	1
410058	ZE 4: output 0 positive switching transistor: disruption	X74:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410060	ZE 4: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:16		E	1
410062	ZE 4: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:16		E	1
410063	ZE 4: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:16		E	1
410070	ZE 4: output 0 measuring system defect no crane operation possible entry in error list	X74:16		E	1
410071	ZE 4: output 0 short circuit to ground or transistor defect	X74:16		E	1
410072	ZE 4: output 0 outside source feeding	X74:16		E	1
410073	ZE 4: output 0 open circuit or short circuit to supply voltage/ground	X74:16		E	1
410112	ZE 4: output 1 short circuit to ground	X74:17		E	1
410113	ZE 4: output 1 open signal circuits	X74:17		E	1
410114	ZE 4: output 1 short circuit to supply voltage	X74:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410154	ZE 4: output 1 short circuit to supply voltage	X74:17		E	1
410158	ZE 4: output 1 positive switching transistor: disruption	X74:17		E	1
410160	ZE 4: output 1 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:17		E	1
410162	ZE 4: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:17		E	1
410163	ZE 4: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:17		E	1
410170	ZE 4: output 1 measuring system defect no crane operation possible entry in error list	X74:17		E	1
410171	ZE 4: output 1 short circuit to ground or transistor defect	X74:17		E	1
410172	ZE 4: output 1 outside source feeding	X74:17		E	1
410173	ZE 4: output 1 open circuit or short circuit to supply voltage/ground	X74:17		E	1
410212	ZE 4: output 2 short circuit to ground	X74:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410213	ZE 4: output 2 open signal circuits	X74:18		E	1
410214	ZE 4: output 2 short circuit to supply voltage	X74:18		E	1
410254	ZE 4: output 2 short circuit to supply voltage	X74:18		E	1
410258	ZE 4: output 2 positive switching transistor: disruption	X74:18		E	1
410270	ZE 4: output 2 measuring system defect no crane operation possible entry in error list	X74:18		E	1
410271	ZE 4: output 2 short circuit to ground or transistor defect	X74:18		E	1
410272	ZE 4: output 2 outside source feeding	X74:18		E	1
410273	ZE 4: output 2 open circuit or short circuit to supply voltage/ground	X74:18		E	1
410312	ZE 4: output 3 short circuit to ground	X74:19		E	1
410313	ZE 4: output 3 open signal circuits	X74:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410314	ZE 4: output 3 short circuit to supply voltage	X74:19		E	1
410354	ZE 4: output 3 short circuit to supply voltage	X74:19		E	1
410358	ZE 4: output 3 positive switching transistor: disruption	X74:19		E	1
410360	ZE 4: output 3 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:19		E	1
410362	ZE 4: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:19		E	1
410363	ZE 4: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:19		E	1
410370	ZE 4: output 3 measuring system defect no crane operation possible entry in error list	X74:19		E	1
410371	ZE 4: output 3 short circuit to ground or transistor defect	X74:19		E	1
410372	ZE 4: output 3 outside source feeding	X74:19		E	1
410373	ZE 4: output 3 open circuit or short circuit to supply voltage/ground	X74:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410412	ZE 4: output 4 short circuit to ground	X74:20		E	1
410413	ZE 4: output 4 open signal circuits	X74:20		E	1
410414	ZE 4: output 4 short circuit to supply voltage	X74:20		E	1
410454	ZE 4: output 4 short circuit to supply voltage	X74:20		E	1
410458	ZE 4: output 4 positive switching transistor: disruption	X74:20		E	1
410470	ZE 4: output 4 measuring system defect no crane operation possible entry in error list	X74:20		E	1
410471	ZE 4: output 4 short circuit to ground or transistor defect	X74:20		E	1
410472	ZE 4: output 4 outside source feeding	X74:20		E	1
410473	ZE 4: output 4 open circuit or short circuit to supply voltage/ground	X74:20		E	1
410512	ZE 4: output 5 short circuit to ground	X74:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410513	ZE 4: output 5 open signal circuits	X74:21		E	1
410514	ZE 4: output 5 short circuit to supply voltage	X74:21		E	1
410554	ZE 4: output 5 short circuit to supply voltage	X74:21		E	1
410558	ZE 4: output 5 positive switching transistor: disruption	X74:21		E	1
410570	ZE 4: output 5 measuring system defect no crane operation possible entry in error list	X74:21		E	1
410571	ZE 4: output 5 short circuit to ground or transistor defect	X74:21		E	1
410572	ZE 4: output 5 outside source feeding	X74:21		E	1
410573	ZE 4: output 5 open circuit or short circuit to supply voltage/ground	X74:21		E	1
410612	ZE 4: output 6 short circuit to ground	X74:22		E	1
410613	ZE 4: output 6 open signal circuits	X74:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410614	ZE 4: output 6 short circuit to supply voltage	X74:22		E	1
410654	ZE 4: output 6 short circuit to supply voltage	X74:22		E	1
410658	ZE 4: output 6 positive switching transistor: disruption	X74:22		E	1
410660	ZE 4: output 6 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:22		E	1
410662	ZE 4: output 6 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:22		E	1
410663	ZE 4: output 6 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:22		E	1
410670	ZE 4: output 6 measuring system defect no crane operation possible entry in error list	X74:22		E	1
410671	ZE 4: output 6 short circuit to ground or transistor defect	X74:22		E	1
410672	ZE 4: output 6 outside source feeding	X74:22		E	1
410673	ZE 4: output 6 open circuit or short circuit to supply voltage/ground	X74:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410712	ZE 4: output 7 short circuit to ground	X74:23		E	1
410713	ZE 4: output 7 open signal circuits	X74:23		E	1
410714	ZE 4: output 7 short circuit to supply voltage	X74:23		E	1
410754	ZE 4: output 7 short circuit to supply voltage	X74:23		E	1
410758	ZE 4: output 7 positive switching transistor: disruption	X74:23		E	1
410770	ZE 4: output 7 measuring system defect no crane operation possible entry in error list	X74:23		E	1
410771	ZE 4: output 7 short circuit to ground or transistor defect	X74:23		E	1
410772	ZE 4: output 7 outside source feeding	X74:23		E	1
410773	ZE 4: output 7 open circuit or short circuit to supply voltage/ground	X74:23		E	1
414959	ZE 4: all output supply voltage missing	X74		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
415059	ZE 4: output group 0 supply voltage missing	X74:12		E	1
415159	ZE 4: output group 1 supply voltage missing	X74:24		E	1
415259	ZE 4: output group 2 supply voltage missing	X74:25		E	1
415359	ZE 4: output group 3 supply voltage missing	X74:13		E	1
420004	ZE 4: LSB participant address 0 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
420005	ZE 4: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420018	ZE 4: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
420050	ZE 4: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
420051	ZE 4: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
420053	ZE 4: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420054	ZE 4: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420064	ZE 4: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
420065	ZE 4: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
420066	ZE 4: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
420067	ZE 4: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
420104	ZE 4: LSB participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
420105	ZE 4: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420118	ZE 4: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
420150	ZE 4: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
420151	ZE 4: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420153	ZE 4: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
420154	ZE 4: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420164	ZE 4: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
420165	ZE 4: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
420166	ZE 4: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
420167	ZE 4: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
420804	ZE 4: LSB participant address 8 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
420805	ZE 4: LSB participant address 8 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420818	ZE 4: LSB participant address 8 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
420850	ZE 4: LSB participant address 8 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420851	ZE 4: LSB participant address 8 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
420853	ZE 4: LSB participant address 8 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
420854	ZE 4: LSB participant address 8 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420864	ZE 4: LSB participant address 8 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
420865	ZE 4: LSB participant address 8 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
420866	ZE 4: LSB participant address 8 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
420867	ZE 4: LSB participant address 8 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
420904	ZE 4: LSB participant address 9 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
420905	ZE 4: LSB participant address 9 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420918	ZE 4: LSB participant address 9 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420950	ZE 4: LSB participant address 9 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
420951	ZE 4: LSB participant address 9 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
420953	ZE 4: LSB participant address 9 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
420954	ZE 4: LSB participant address 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420964	ZE 4: LSB participant address 9 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
420965	ZE 4: LSB participant address 9 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
420966	ZE 4: LSB participant address 9 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
420967	ZE 4: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421004	ZE 4: LSB participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421005	ZE 4: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421018	ZE 4: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421050	ZE 4: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421051	ZE 4: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421053	ZE 4: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421054	ZE 4: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421064	ZE 4: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421065	ZE 4: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421066	ZE 4: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421067	ZE 4: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421104	ZE 4: LSB participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421105	ZE 4: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421118	ZE 4: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421150	ZE 4: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421151	ZE 4: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421153	ZE 4: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421154	ZE 4: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421164	ZE 4: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421165	ZE 4: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421166	ZE 4: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421167	ZE 4: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421204	ZE 4: LSB participant address 12 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421205	ZE 4: LSB participant address 12 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421218	ZE 4: LSB participant address 12 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421250	ZE 4: LSB participant address 12 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421251	ZE 4: LSB participant address 12 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421253	ZE 4: LSB participant address 12 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421254	ZE 4: LSB participant address 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421264	ZE 4: LSB participant address 12 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421265	ZE 4: LSB participant address 12 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421266	ZE 4: LSB participant address 12 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421267	ZE 4: LSB participant address 12 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421304	ZE 4: LSB participant address 13 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421305	ZE 4: LSB participant address 13 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421318	ZE 4: LSB participant address 13 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421350	ZE 4: LSB participant address 13 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421351	ZE 4: LSB participant address 13 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421353	ZE 4: LSB participant address 13 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421354	ZE 4: LSB participant address 13 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421364	ZE 4: LSB participant address 13 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421365	ZE 4: LSB participant address 13 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421366	ZE 4: LSB participant address 13 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421367	ZE 4: LSB participant address 13 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421404	ZE 4: LSB participant address 14 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421405	ZE 4: LSB participant address 14 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421418	ZE 4: LSB participant address 14 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421450	ZE 4: LSB participant address 14 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421451	ZE 4: LSB participant address 14 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421453	ZE 4: LSB participant address 14 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421454	ZE 4: LSB participant address 14 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421464	ZE 4: LSB participant address 14 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421465	ZE 4: LSB participant address 14 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421466	ZE 4: LSB participant address 14 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421467	ZE 4: LSB participant address 14 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421504	ZE 4: LSB participant address 15 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421505	ZE 4: LSB participant address 15 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421518	ZE 4: LSB participant address 15 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421550	ZE 4: LSB participant address 15 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421551	ZE 4: LSB participant address 15 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421553	ZE 4: LSB participant address 15 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421554	ZE 4: LSB participant address 15 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421564	ZE 4: LSB participant address 15 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421565	ZE 4: LSB participant address 15 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421566	ZE 4: LSB participant address 15 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421567	ZE 4: LSB participant address 15 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421604	ZE 4: LSB participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421605	ZE 4: LSB participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421618	ZE 4: LSB participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421650	ZE 4: LSB participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421651	ZE 4: LSB participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421653	ZE 4: LSB participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421654	ZE 4: LSB participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421664	ZE 4: LSB participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421665	ZE 4: LSB participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421666	ZE 4: LSB participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421667	ZE 4: LSB participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421704	ZE 4: LSB participant address 17 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421705	ZE 4: LSB participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421718	ZE 4: LSB participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421750	ZE 4: LSB participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421751	ZE 4: LSB participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421753	ZE 4: LSB participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421754	ZE 4: LSB participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421764	ZE 4: LSB participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421765	ZE 4: LSB participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421766	ZE 4: LSB participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421767	ZE 4: LSB participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421804	ZE 4: LSB participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421805	ZE 4: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421818	ZE 4: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421850	ZE 4: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421851	ZE 4: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421853	ZE 4: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421854	ZE 4: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421864	ZE 4: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421865	ZE 4: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421866	ZE 4: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421867	ZE 4: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421904	ZE 4: LSB participant address 19 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
421905	ZE 4: LSB participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421918	ZE 4: LSB participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421950	ZE 4: LSB participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421951	ZE 4: LSB participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421953	ZE 4: LSB participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421954	ZE 4: LSB participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421964	ZE 4: LSB participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
421965	ZE 4: LSB participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421966	ZE 4: LSB participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421967	ZE 4: LSB participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422004	ZE 4: LSB participant address 20 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
422005	ZE 4: LSB participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422018	ZE 4: LSB participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422050	ZE 4: LSB participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422051	ZE 4: LSB participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422053	ZE 4: LSB participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422054	ZE 4: LSB participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422064	ZE 4: LSB participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
422065	ZE 4: LSB participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422066	ZE 4: LSB participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422067	ZE 4: LSB participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422104	ZE 4: LSB participant address 21 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422105	ZE 4: LSB participant address 21 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422118	ZE 4: LSB participant address 21 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422150	ZE 4: LSB participant address 21 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422151	ZE 4: LSB participant address 21 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422153	ZE 4: LSB participant address 21 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422154	ZE 4: LSB participant address 21 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422164	ZE 4: LSB participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
422165	ZE 4: LSB participant address 21 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422166	ZE 4: LSB participant address 21 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422167	ZE 4: LSB participant address 21 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422204	ZE 4: LSB participant address 22 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
422205	ZE 4: LSB participant address 22 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422218	ZE 4: LSB participant address 22 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422250	ZE 4: LSB participant address 22 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422251	ZE 4: LSB participant address 22 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422253	ZE 4: LSB participant address 22 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422254	ZE 4: LSB participant address 22 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422264	ZE 4: LSB participant address 22 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
422265	ZE 4: LSB participant address 22 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422266	ZE 4: LSB participant address 22 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2

368

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422267	ZE 4: LSB participant address 22 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422404	ZE 4: LSB participant address 24 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
422405	ZE 4: LSB participant address 24 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422418	ZE 4: LSB participant address 24 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422450	ZE 4: LSB participant address 24 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422451	ZE 4: LSB participant address 24 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422453	ZE 4: LSB participant address 24 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422454	ZE 4: LSB participant address 24 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422464	ZE 4: LSB participant address 24 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
422465	ZE 4: LSB participant address 24 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422466	ZE 4: LSB participant address 24 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422467	ZE 4: LSB participant address 24 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422504	ZE 4: LSB participant address 25 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
422505	ZE 4: LSB participant address 25 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422518	ZE 4: LSB participant address 25 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422550	ZE 4: LSB participant address 25 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422551	ZE 4: LSB participant address 25 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422553	ZE 4: LSB participant address 25 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422554	ZE 4: LSB participant address 25 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422564	ZE 4: LSB participant address 25 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422565	ZE 4: LSB participant address 25 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422566	ZE 4: LSB participant address 25 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422567	ZE 4: LSB participant address 25 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422604	ZE 4: LSB participant address 26 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
422605	ZE 4: LSB participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422618	ZE 4: LSB participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422650	ZE 4: LSB participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422651	ZE 4: LSB participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422653	ZE 4: LSB participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422654	ZE 4: LSB participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422664	ZE 4: LSB participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
422665	ZE 4: LSB participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422666	ZE 4: LSB participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422667	ZE 4: LSB participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422704	ZE 4: LSB participant address 27 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
422705	ZE 4: LSB participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422718	ZE 4: LSB participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422750	ZE 4: LSB participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422751	ZE 4: LSB participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422753	ZE 4: LSB participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422754	ZE 4: LSB participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422764	ZE 4: LSB participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
422765	ZE 4: LSB participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422766	ZE 4: LSB participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422767	ZE 4: LSB participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422804	ZE 4: LSB participant address 28 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635D:z14/z16		E	1
422805	ZE 4: LSB participant address 28 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422818	ZE 4: LSB participant address 28 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422850	ZE 4: LSB participant address 28 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422851	ZE 4: LSB participant address 28 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422853	ZE 4: LSB participant address 28 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422854	ZE 4: LSB participant address 28 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422864	ZE 4: LSB participant address 28 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635D:z14/z16		E	1
422865	ZE 4: LSB participant address 28 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422866	ZE 4: LSB participant address 28 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422867	ZE 4: LSB participant address 28 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
423252	ZE 4: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635D:z14/z16		E	0
423255	ZE 4: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635D:z14/z16		E	2
423256	ZE 4: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635D:z14/z16		E	2
423257	ZE 4: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
423258	ZE 4: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635D:z14/z16		E	0
423259	ZE 4: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635D:z14/z16		E	0
423260	ZE 4: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635D:z14/z16		E	2
423261	ZE 4: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635D:z14/z16		E	2
423262	ZE 4: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635D:z14/z16		E	2
424814	ZE 4: input 0 short circuit to supply voltage Output of error Check: the sensor line for short-circuits, faulty sensors by pulling out the sensor, connections to the input plate	X635D:d2		E	1
424856	ZE 4: input 0 open circuit or short circuit to ground Output of error Check: Supply voltage, input LICCON, sensor lines for interruptions, faulty sensors by pulling out the sensor	X635D:d2		E	1
430610	ZE 4: Data recorder Start: (still) no valid crane number entered Inspect in 10 sec. cycles Write in coefficients incl. crane number in the NT in "CRANE COMMISSIONING " program (MO > AK)			E	1
430611	ZE 4: Data recorder Start: Crane number faulty (not 9 figures numerically) Data recorder software stops - no documentation possible! Define crane number correctly (Sxxxxxxx.yyQ - KNFttt00vvrr.Q)			E	1
430612	ZE 4: Data recorder Start: not connected Data recorder software stops - no documentation possible! Connect data logger correctly			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
430620	ZE 4: Data recorder Init: Firmware version incorrect/faulty Has not yet been checked!			E	1
430621	ZE 4: Data recorder Init: ATA-card not initialised STATUS-error: Data recorder software stops - no documentation possible! Initialise ATA card with PC-Software "LICCON Manager"			E	1
430622	ZE 4: Data recorder Init: ATA-card contains different crane number STATUS-error: Data recorder software stops - no documentation possible! Use ATA card with correct crane number or newly initialised ATA card			E	1
430623	ZE 4: Data recorder Init: Format-File-Transfer faulty Repeat of Format-File transfers in 1 sec. cycles If necessary correct types and country specific Format-File "Lnnttt01vvrr.Q" in EPROM 0			E	1
430630	ZE 4: Data recorder Transfer: Data transmission faulty Repeat of data transfers in 1 sec. cycles If necessary check connection from LICCON system to data recorder			E	1
430631	ZE 4: Data recorder Transfer: CSM-protocol error Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder			E	1
430632	ZE 4: Data recorder Transfer: Transmission error (CRC) Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder			E	1
430633	ZE 4: Data recorder Transfer: STATUS-error Dependent upon STATUS in 1 sec. cycles synchronise anew or stop data recorder software If necessary check connection from LICCON system to data recorder			E	1
430634	ZE 4: Data recorder Transfer: TAN-error Synchronise CSM protocol again completely If necessary check connection from LICCON system to data recorder			E	1
430635	ZE 4: Data recorder Transfer: Writing error Synchronise CSM protocol again completely If necessary check connection from LICCON-System to data recorder and ATA card			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
430636	ZE 4: Data recorder Transfer: No recorder data (SPS-Handshake) LICCON-data logger software tries again in 1 sec. cycle Check function of SPS software			E	1
432400	ZE 4: control winch 5 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
432402	ZE 4: control winch 5 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory check supply, LICCON input, sensor lines to short or break, sensor			E	1
435401	ZE 4: operation winch 5 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
435403	ZE 4: operation winch 5 Shut-down jib lower Operation conditional switch off, may not be shunted Luff up jib until limit switch no longer activated - shut-down may not be shunted			B	
435404	ZE 4: operation winch 5 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
435405	ZE 4: operation winch 5 reeled winch shut-down Operation conditional switch off, may not be shunted Wind off winch until switch "Winch wound on" is no longer activated - shut-down may not be shunted			B	
435406	ZE 4: operation winch 5 upper angle limit OGW shut-down operational shut down reel winch out until the radius is within the load chart again - shut-down can be shunted (danger)			B	
435407	ZE 4: operation winch 5 lower angle limit UGW shut-down operational shut down reel winch in until the radius is within the load chart again - shut-down can be shunted (danger)			B	
435410	ZE 4: operation winch 5 fly jib upper stop shut-down Operation conditional switch off, may not be shunted Luff down jib until limit switch no longer activated - shut-down may not be activated			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435411	ZE 4: operation winch 5 fly jib upper flap shut-down Operation conditional switch off, may not be shunted Luff down jib until limit switch no longer activated - shut-down may not be activated			B	
435413	ZE 4: operation winch 5 shut-down as flap not positioned and angle threshold exceeded Operation conditional switch off, may not be shunted check as to why the flap is not in position - shut-down cannot be shunted			B	
435414	ZE 4: operation winch 5 pressure retaining cylinder RFP N shut-down outside set range Operation conditional switch off, may not be shunted Wind off winch until pressure is once again within the desired range - shut-down may not be shunted .			B	
435416	ZE 4: operation winch 5 luffing up accessory shut-down working area limitation ABB operational shut down reel winch out until crane in working area again - shunting through shutting down of working area limitation			B	
435417	ZE 4: operation winch 5 luffing down accessory shut-down working area limitation ABB operational shut down reel winch in until crane in working area again - shunting through shutting down of working area limitation			B	
435419	ZE 4: operation winch 5 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
435420	ZE 4: operation winch 5 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
435421	ZE 4: operation winch 5 Shut-down measuring point 1 > F max - operation Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
435422	ZE 4: operation winch 5 Shut-down measuring point 1 > F max - assembly operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
435424	ZE 4: operation winch 5 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435425	ZE 4: operation winch 5 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
435426	ZE 4: operation winch 5 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
435427	ZE 4: operation winch 5 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
435428	ZE 4: operation winch 5 Shut-down upper limit angle main boom Operation conditional switch off, may not be shunted Spool up - out winch 5 is only permitted at main boom positions small limit angle			B	
435429	ZE 4: operation winch 5 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 5 in control diagram.			B	
43542B	ZE 4: operation winch 5 Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Fix cause of "LMB Stop", see error message			B	
435430	ZE 4: operation winch 5 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435431	ZE 4: operation winch 5 master switch 2 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435432	ZE 4: operation winch 5 master switch 3 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435438	ZE 4: operation winch 5 Shut-down upper limit angle accessory Operation conditional switch off, may not be shunted Luff up main boom during erection procedure, luff down main boom or accessory during setting down procedure.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435439	ZE 4: operation winch 5 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
43543E	ZE 4: operation winch 5 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	1
435446	ZE 4: operation winch 5 Shut off control panel plugged in operational shut down Spool up - out winch 5 is only permitted with switched on installation switch .			B	
435450	ZE 4: operation winch 5 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435451	ZE 4: operation winch 5 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435452	ZE 4: operation winch 5 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435463	ZE 4: operation winch 5 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
435470	ZE 4: operation winch 5 shut-down both limit switches "flap in position" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435472	ZE 4: operation winch 5 shut-down both angle sensors "fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435473	ZE 4: operation winch 5 shut-down both limit switches "lower fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435474	ZE 4: operation winch 5 shut-down both limit switches "upper fly jib flap" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435475	ZE 4: operation winch 5 shut-down both limit switches "upper fly jib stop"defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435481	ZE 4: operation winch 5 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
435482	ZE 4: operation winch 5 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
435483	ZE 4: operation winch 5 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
436942	ZE 4: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
436943	ZE 4: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
436948	ZE 4: Operation crane control Selection bypass hoist top - not possible - try again operational shut down Bypass is only permitted on limited basis and time controlled, possibly bypass can be reactived			B	2
436949	ZE 4: Operation crane control Selection bypass LMB - not possible - try again operational shut down Bypass is only permitted on limited basis and time controlled, possibly bypass can be reactived			B	2
43694A	ZE 4: Operation crane control Selection bypass LMB - not permissible for this utilization Slewing brake applied or cannot be opened + LMB-Stop since no load chart present Pin turntable or luff up boom to valid load chart			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
43694E	ZE 4: Operation crane control Caution special function for reductions/ bypasses activated Special function as desired issue of op. error Change data word DWx.xxx or turn ignition off / on			B	2
43694F	ZE 4: Operation crane control Caution, Activation EN13000 not possible EN 13000 is deactivated or cannot be activated, since option 85% chart is activated Activcation of bypass acc. EN 13000 here not possible.			B	2
43695B	ZE 4: Operation crane control Selection bypass hoist top not possible - no shut off Slewing brake applied or cannot be opened + LMB-Stop since no load chart present Pin turntable or luff up boom to valid load chart			B	2
43695C	ZE 4: Operation crane control Selection this bypass not possible - sensor defect Slewing brake applied or cannot be opened + LMB-Stop since no load chart present Pin turntable or luff up boom to valid load chart			B	2
436960	ZE 4: Operation crane control Selection bypass not possible - seat contact not actuated Slewing brake applied or cannot be opened + LMB-Stop since no load chart present Pin turntable or luff up boom to valid load chart			B	2
436962	ZE 4: Operation crane control Selection bypass not possible - zero pos. force required Slewing brake applied or cannot be opened + LMB-Stop since no load chart present Pin turntable or luff up boom to valid load chart			B	2
461001	E/A-Modul 4: system error OS-C167 initialising error processor-register erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
461002	E/A-Modul 4: system error OS-C167 initialising error test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
461006	E/A-Modul 4: system error OS-C167 initialising error RAM erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
461013	E/A-Modul 4: system error OS-C167 test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
461016	E/A-Modul 4: system error OS-C167 system-, driver-watchdog expired error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
461048	E/A-Modul 4: system error OS-C167 Synchronisation not successful due to read time several times 0 Safety measure is initiated Check CAN network, check faulty Bus user.			E	1
461049	E/A-Modul 4: system error OS-C167 Error in order: Strobe-Signal, Sync-Signal Safety measure is initiated Check CAN network, check faulty Bus user.			E	1
461050	E/A-Modul 4: system error OS-C167 Correction with synchronisation > 1ms, although already synchronised Safety measure is initiated Check CAN network, check faulty Bus user.			E	1
461053	E/A-Modul 4: system error OS-C167 User stack too small Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
461068	E/A-Modul 4: system error OS-C167 impermissible interrupt error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
461071	E/A-Modul 4: system error OS-C167 Invalid configuration or Firmware error indication on display re-load Software from ZE			E	2
461080	E/A-Modul 4: system error OS-C167 fatal internal software error error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
461082	E/A-Modul 4: system error OS-C167 hardware-watchdog erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
461088	E/A-Modul 4: system error OS-C167 Configuration does not match software condition error indication on display Comparison SW-condition EAM-SW and configuration LICCON different, check LICCON-configuration, download EAM			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
461089	E/A-Modul 4: system error OS-C167 Incorrect version of firmware installed Error output, possible error functions of module Replace module, reload firmware			E	1
461090	E/A-Modul 4: system error OS-C167 Incorrect hardware version recognised Error output, possible error functions of module Replace module			E	1
472052	E/A-Modul 4: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:17		E	1
472053	E/A-Modul 4: input/output DEA0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:17		E	1
472054	E/A-Modul 4: input/output DEA0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:17		E	1
472055	E/A-Modul 4: input/output DEA0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:17		E	1
472152	E/A-Modul 4: input/output DEA1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:15		E	1
472153	E/A-Modul 4: input/output DEA1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:15		E	1
472154	E/A-Modul 4: input/output DEA1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:15		E	1
472155	E/A-Modul 4: input/output DEA1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:15		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
472252	E/A-Modul 4: input/output DEA2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:13		E	1
472253	E/A-Modul 4: input/output DEA2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:13		E	1
472254	E/A-Modul 4: input/output DEA2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:13		E	1
472255	E/A-Modul 4: input/output DEA2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:13		E	1
472352	E/A-Modul 4: input/output DEA3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:11		E	1
472353	E/A-Modul 4: input/output DEA3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:11		E	1
472354	E/A-Modul 4: input/output DEA3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:11		E	1
472355	E/A-Modul 4: input/output DEA3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:11		E	1
472452	E/A-Modul 4: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:9		E	1
472453	E/A-Modul 4: input/output DEA4 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
472454	E/A-Modul 4: input/output DEA4 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:9		E	1
472455	E/A-Modul 4: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:9		E	1
472552	E/A-Modul 4: input/output DEA5 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:7		E	1
472553	E/A-Modul 4: input/output DEA5 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:7		E	1
472554	E/A-Modul 4: input/output DEA5 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:7		E	1
472555	E/A-Modul 4: input/output DEA5 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:7		E	1
472652	E/A-Modul 4: input/output DEA6 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:5		E	1
472653	E/A-Modul 4: input/output DEA6 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:5		E	1
472654	E/A-Modul 4: input/output DEA6 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:5		E	1
472655	E/A-Modul 4: input/output DEA6 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:5		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
472752	E/A-Modul 4: input/output DEA7 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:3		E	1
472753	E/A-Modul 4: input/output DEA7 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:3		E	1
472754	E/A-Modul 4: input/output DEA7 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:3		E	1
472755	E/A-Modul 4: input/output DEA7 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:3		E	1
473117	E/A-Modul 4: current input E1 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X642:15		E	1
473179	E/A-Modul 4: current input E1 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X642:15		E	1
473180	E/A-Modul 4: current input E1 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X642:15		E	1
473217	E/A-Modul 4: current input E2 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X642:13		E	1
473279	E/A-Modul 4: current input E2 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X642:13		E	1
473280	E/A-Modul 4: current input E2 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)	X642:13		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
473517	E/A-Modul 4: voltage input E5 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:7		E	1
473579	E/A-Modul 4: voltage input E5 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:7		E	1
473580	E/A-Modul 4: voltage input E5 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:7		E	1
473617	E/A-Modul 4: voltage input E6 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:5		E	1
473679	E/A-Modul 4: voltage input E6 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:5		E	1
473680	E/A-Modul 4: voltage input E6 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:5		E	1
473717	E/A-Modul 4: voltage input E7 voltage below required value Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:3		E	1
473779	E/A-Modul 4: voltage input E7 Short circuit after supply voltage, over-tension Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:3		E	1
473780	E/A-Modul 4: voltage input E7 short circuit to ground, open line, voltage sensor erroneous Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection	X642:3		E	1
479052	E/A-Modul 4: output A0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
479053	E/A-Modul 4: output A0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:18		E	1
479054	E/A-Modul 4: output A0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:18		E	1
479055	E/A-Modul 4: output A0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:18		E	1
479152	E/A-Modul 4: output A1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:16		E	1
479153	E/A-Modul 4: output A1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:16		E	1
479154	E/A-Modul 4: output A1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:16		E	1
479155	E/A-Modul 4: output A1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:16		E	1
479250	E/A-Modul 4: bridge output A2 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X643:14		E	1
479251	E/A-Modul 4: bridge output A2 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X643:14		E	1
479252	E/A-Modul 4: bridge output A2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:14		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
479253	E/A-Modul 4: bridge output A2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:14		E	1
479254	E/A-Modul 4: bridge output A2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:14		E	1
479255	E/A-Modul 4: bridge output A2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:14		E	1
479350	E/A-Modul 4: bridge output A3 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X643:12		E	1
479351	E/A-Modul 4: bridge output A3 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X643:12		E	1
479352	E/A-Modul 4: bridge output A3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X643:12		E	1
479353	E/A-Modul 4: bridge output A3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X643:12		E	1
479354	E/A-Modul 4: bridge output A3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X643:12		E	1
479355	E/A-Modul 4: bridge output A3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X643:12		E	1
483601	E/A-Modul 4: SPI-support unit left Faulty data transfer E/A-module<>unit (time exceeded) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X644:1/2/3/5/6/7/8		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
483602	E/A-Modul 4: SPI-support unit left Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X644:1/2/3/5/6/7/8		E	1
483603	E/A-Modul 4: SPI-support unit left break in line or short circuit to supply voltage error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X644:1/2/3/5/6/7/8		E	1
483604	E/A-Modul 4: SPI-support unit left break in line or short circuit to ground error indication on display remedy short circuit, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X644:1/2/3/5/6/7/8		E	1
483606	E/A-Modul 4: SPI-support unit left Data transfer faulty (faulty check byte) error indication on display suppress EMV- interference	X644:1/2/3/5/6/7/8		E	1
483607	E/A-Modul 4: SPI-support unit left Unit faulty/missing, incorrect unit inserted (ID) error indication on display check periphery and replace if necessary, check Software version, check EMV- interference	X644:1/2/3/5/6/7/8		E	1
483608	E/A-Modul 4: SPI-support unit left Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X644:1/2/3/5/6/7/8		E	1
483900	E/A-Modul 4: Control operating unit (SPI) Faulty initialisation data connection E/A-module<>unit error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X644:1/2/3/5/6/7/8		E	1
483902	E/A-Modul 4: Control operating unit (SPI) Serious system error to SPI-connection (interface) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X644:1/2/3/5/6/7/8		E	1
483905	E/A-Modul 4: Control operating unit (SPI) Initialisation error, resetting inputs/outputs faulty error indication on display check wiring, check periphery and replace if necessary, check E/A-Modul and replace if necessary	X644:1/2/3/5/6/7/8		E	1
483907	E/A-Modul 4: Control operating unit (SPI) Unit faulty/missing, incorrect unit inserted (ID) error indication on display connect functional periphery unit, system then eliminates error independently	X644:1/2/3/5/6/7/8		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
483908	E/A-Modul 4: Control operating unit (SPI) Data transfer faulty (incorrect number of data bytes received) error indication on display system re-starts SPI-driver and eliminates error independently, with repeated occurrence replace E/A-Modul	X644:1/2/3/5/6/7/8		E	1
484104	E/A-Modul 4: LSB-B participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484105	E/A-Modul 4: LSB-B participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
484118	E/A-Modul 4: LSB-B participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
484150	E/A-Modul 4: LSB-B participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
484151	E/A-Modul 4: LSB-B participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
484153	E/A-Modul 4: LSB-B participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
484154	E/A-Modul 4: LSB-B participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
484164	E/A-Modul 4: LSB-B participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
484165	E/A-Modul 4: LSB-B participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484166	E/A-Modul 4: LSB-B participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484167	E/A-Modul 4: LSB-B participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
484204	E/A-Modul 4: LSB-B participant address 2 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484205	E/A-Modul 4: LSB-B participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
484218	E/A-Modul 4: LSB-B participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
484250	E/A-Modul 4: LSB-B participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
484251	E/A-Modul 4: LSB-B participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
484253	E/A-Modul 4: LSB-B participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
484254	E/A-Modul 4: LSB-B participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
484264	E/A-Modul 4: LSB-B participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484265	E/A-Modul 4: LSB-B participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
484266	E/A-Modul 4: LSB-B participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484267	E/A-Modul 4: LSB-B participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
484304	E/A-Modul 4: LSB-B participant address 3 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484305	E/A-Modul 4: LSB-B participant address 3 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
484318	E/A-Modul 4: LSB-B participant address 3 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
484350	E/A-Modul 4: LSB-B participant address 3 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
484351	E/A-Modul 4: LSB-B participant address 3 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
484353	E/A-Modul 4: LSB-B participant address 3 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
484354	E/A-Modul 4: LSB-B participant address 3 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484364	E/A-Modul 4: LSB-B participant address 3 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
484365	E/A-Modul 4: LSB-B participant address 3 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
484366	E/A-Modul 4: LSB-B participant address 3 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484367	E/A-Modul 4: LSB-B participant address 3 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
484404	E/A-Modul 4: LSB-B participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484405	E/A-Modul 4: LSB-B participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
484418	E/A-Modul 4: LSB-B participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
484450	E/A-Modul 4: LSB-B participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
484451	E/A-Modul 4: LSB-B participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
484453	E/A-Modul 4: LSB-B participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484454	E/A-Modul 4: LSB-B participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
484464	E/A-Modul 4: LSB-B participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
484465	E/A-Modul 4: LSB-B participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
484466	E/A-Modul 4: LSB-B participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484467	E/A-Modul 4: LSB-B participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
484504	E/A-Modul 4: LSB-B participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484505	E/A-Modul 4: LSB-B participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
484518	E/A-Modul 4: LSB-B participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
484550	E/A-Modul 4: LSB-B participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
484551	E/A-Modul 4: LSB-B participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484553	E/A-Modul 4: LSB-B participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
484554	E/A-Modul 4: LSB-B participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
484564	E/A-Modul 4: LSB-B participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
484565	E/A-Modul 4: LSB-B participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
484566	E/A-Modul 4: LSB-B participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484567	E/A-Modul 4: LSB-B participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
484604	E/A-Modul 4: LSB-B participant address 6 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484605	E/A-Modul 4: LSB-B participant address 6 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
484618	E/A-Modul 4: LSB-B participant address 6 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
484650	E/A-Modul 4: LSB-B participant address 6 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484651	E/A-Modul 4: LSB-B participant address 6 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
484653	E/A-Modul 4: LSB-B participant address 6 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
484654	E/A-Modul 4: LSB-B participant address 6 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
484664	E/A-Modul 4: LSB-B participant address 6 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
484665	E/A-Modul 4: LSB-B participant address 6 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
484666	E/A-Modul 4: LSB-B participant address 6 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484667	E/A-Modul 4: LSB-B participant address 6 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
484704	E/A-Modul 4: LSB-B participant address 7 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484705	E/A-Modul 4: LSB-B participant address 7 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
484718	E/A-Modul 4: LSB-B participant address 7 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484750	E/A-Modul 4: LSB-B participant address 7 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
484751	E/A-Modul 4: LSB-B participant address 7 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
484753	E/A-Modul 4: LSB-B participant address 7 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
484754	E/A-Modul 4: LSB-B participant address 7 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
484764	E/A-Modul 4: LSB-B participant address 7 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
484765	E/A-Modul 4: LSB-B participant address 7 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
484766	E/A-Modul 4: LSB-B participant address 7 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484767	E/A-Modul 4: LSB-B participant address 7 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
484804	E/A-Modul 4: LSB-B participant address 8 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
484805	E/A-Modul 4: LSB-B participant address 8 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
484818	E/A-Modul 4: LSB-B participant address 8 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
484850	E/A-Modul 4: LSB-B participant address 8 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
484851	E/A-Modul 4: LSB-B participant address 8 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
484853	E/A-Modul 4: LSB-B participant address 8 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
484854	E/A-Modul 4: LSB-B participant address 8 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
484864	E/A-Modul 4: LSB-B participant address 8 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
484865	E/A-Modul 4: LSB-B participant address 8 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
484866	E/A-Modul 4: LSB-B participant address 8 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
484867	E/A-Modul 4: LSB-B participant address 8 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
485004	E/A-Modul 4: LSB-B participant address 10 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
485005	E/A-Modul 4: LSB-B participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
485018	E/A-Modul 4: LSB-B participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
485050	E/A-Modul 4: LSB-B participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
485051	E/A-Modul 4: LSB-B participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
485053	E/A-Modul 4: LSB-B participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
485054	E/A-Modul 4: LSB-B participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
485064	E/A-Modul 4: LSB-B participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
485065	E/A-Modul 4: LSB-B participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
485066	E/A-Modul 4: LSB-B participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
485067	E/A-Modul 4: LSB-B participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
485104	E/A-Modul 4: LSB-B participant address 11 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
485105	E/A-Modul 4: LSB-B participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
485118	E/A-Modul 4: LSB-B participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
485150	E/A-Modul 4: LSB-B participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
485151	E/A-Modul 4: LSB-B participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
485153	E/A-Modul 4: LSB-B participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
485154	E/A-Modul 4: LSB-B participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
485164	E/A-Modul 4: LSB-B participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
485165	E/A-Modul 4: LSB-B participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
485166	E/A-Modul 4: LSB-B participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
485167	E/A-Modul 4: LSB-B participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
485604	E/A-Modul 4: LSB-B participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
485605	E/A-Modul 4: LSB-B participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
485618	E/A-Modul 4: LSB-B participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
485650	E/A-Modul 4: LSB-B participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
485651	E/A-Modul 4: LSB-B participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
485653	E/A-Modul 4: LSB-B participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
485654	E/A-Modul 4: LSB-B participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
485664	E/A-Modul 4: LSB-B participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
485665	E/A-Modul 4: LSB-B participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
485666	E/A-Modul 4: LSB-B participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
485667	E/A-Modul 4: LSB-B participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
485704	E/A-Modul 4: LSB-B participant address 17 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
485705	E/A-Modul 4: LSB-B participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
485718	E/A-Modul 4: LSB-B participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
485750	E/A-Modul 4: LSB-B participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
485751	E/A-Modul 4: LSB-B participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
485753	E/A-Modul 4: LSB-B participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
485754	E/A-Modul 4: LSB-B participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
485764	E/A-Modul 4: LSB-B participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
485765	E/A-Modul 4: LSB-B participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
485766	E/A-Modul 4: LSB-B participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
485767	E/A-Modul 4: LSB-B participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
485804	E/A-Modul 4: LSB-B participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
485805	E/A-Modul 4: LSB-B participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
485818	E/A-Modul 4: LSB-B participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
485850	E/A-Modul 4: LSB-B participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
485851	E/A-Modul 4: LSB-B participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
485853	E/A-Modul 4: LSB-B participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
485854	E/A-Modul 4: LSB-B participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
485864	E/A-Modul 4: LSB-B participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
485865	E/A-Modul 4: LSB-B participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
485866	E/A-Modul 4: LSB-B participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
485867	E/A-Modul 4: LSB-B participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
485904	E/A-Modul 4: LSB-B participant address 19 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
485905	E/A-Modul 4: LSB-B participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
485918	E/A-Modul 4: LSB-B participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
485950	E/A-Modul 4: LSB-B participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
485951	E/A-Modul 4: LSB-B participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
485953	E/A-Modul 4: LSB-B participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
485954	E/A-Modul 4: LSB-B participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
485964	E/A-Modul 4: LSB-B participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
485965	E/A-Modul 4: LSB-B participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
485966	E/A-Modul 4: LSB-B participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
485967	E/A-Modul 4: LSB-B participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
486004	E/A-Modul 4: LSB-B participant address 20 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
486005	E/A-Modul 4: LSB-B participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
486018	E/A-Modul 4: LSB-B participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
486050	E/A-Modul 4: LSB-B participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
486051	E/A-Modul 4: LSB-B participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
486053	E/A-Modul 4: LSB-B participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
486054	E/A-Modul 4: LSB-B participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
486064	E/A-Modul 4: LSB-B participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
486065	E/A-Modul 4: LSB-B participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
486066	E/A-Modul 4: LSB-B participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
486067	E/A-Modul 4: LSB-B participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
486604	E/A-Modul 4: LSB-B participant address 26 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
486605	E/A-Modul 4: LSB-B participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
486618	E/A-Modul 4: LSB-B participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
486650	E/A-Modul 4: LSB-B participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
486651	E/A-Modul 4: LSB-B participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
486653	E/A-Modul 4: LSB-B participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
486654	E/A-Modul 4: LSB-B participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
486664	E/A-Modul 4: LSB-B participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
486665	E/A-Modul 4: LSB-B participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
486666	E/A-Modul 4: LSB-B participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
486667	E/A-Modul 4: LSB-B participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
486704	E/A-Modul 4: LSB-B participant address 27 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
486705	E/A-Modul 4: LSB-B participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
486718	E/A-Modul 4: LSB-B participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
486750	E/A-Modul 4: LSB-B participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
486751	E/A-Modul 4: LSB-B participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
486753	E/A-Modul 4: LSB-B participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
486754	E/A-Modul 4: LSB-B participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
486764	E/A-Modul 4: LSB-B participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
486765	E/A-Modul 4: LSB-B participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
486766	E/A-Modul 4: LSB-B participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
486767	E/A-Modul 4: LSB-B participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
486804	E/A-Modul 4: LSB-B participant address 28 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1
486805	E/A-Modul 4: LSB-B participant address 28 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
486818	E/A-Modul 4: LSB-B participant address 28 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
486850	E/A-Modul 4: LSB-B participant address 28 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
486851	E/A-Modul 4: LSB-B participant address 28 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
486853	E/A-Modul 4: LSB-B participant address 28 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
486854	E/A-Modul 4: LSB-B participant address 28 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
486864	E/A-Modul 4: LSB-B participant address 28 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
486865	E/A-Modul 4: LSB-B participant address 28 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
486866	E/A-Modul 4: LSB-B participant address 28 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
486867	E/A-Modul 4: LSB-B participant address 28 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1
486904	E/A-Modul 4: LSB-B participant address 29 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
486905	E/A-Modul 4: LSB-B participant address 29 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X643:4/6		E	1
486918	E/A-Modul 4: LSB-B participant address 29 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X643:4/6		E	0
486950	E/A-Modul 4: LSB-B participant address 29 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X643:4/6		E	2
486951	E/A-Modul 4: LSB-B participant address 29 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X643:4/6		E	2
486953	E/A-Modul 4: LSB-B participant address 29 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X643:4/6		E	1
486954	E/A-Modul 4: LSB-B participant address 29 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X643:4/6		E	2
486964	E/A-Modul 4: LSB-B participant address 29 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X643:4/6		E	1
486965	E/A-Modul 4: LSB-B participant address 29 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X643:4/6		E	2
486966	E/A-Modul 4: LSB-B participant address 29 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X643:4/6		E	2
486967	E/A-Modul 4: LSB-B participant address 29 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X643:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
487252	E/A-Modul 4: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X643:4/6		E	0
487255	E/A-Modul 4: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X643:4/6		E	2
487256	E/A-Modul 4: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X643:4/6		E	2
487257	E/A-Modul 4: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X643:4/6		E	1
487258	E/A-Modul 4: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X643:4/6		E	0
487259	E/A-Modul 4: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X643:4/6		E	0
487260	E/A-Modul 4: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X643:4/6		E	2
487261	E/A-Modul 4: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X643:4/6		E	2
487262	E/A-Modul 4: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X643:4/6		E	2
488130	E/A-Modul 4: CAN-subscriber steering valve 1 (EHS1) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X645:5/3		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
488131	E/A-Modul 4: CAN-subscriber steering valve 1 (EHS1) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X645:5/3		E	1
488230	E/A-Modul 4: CAN-subscriber steering valve 2 (EHS2) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X645:5/4		E	0
488231	E/A-Modul 4: CAN-subscriber steering valve 2 (EHS2) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X645:5/4		E	1
488330	E/A-Modul 4: CAN-subscriber steering valve 3 (EHS3) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X645:5/5		E	0
488331	E/A-Modul 4: CAN-subscriber steering valve 3 (EHS3) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X645:5/5		E	1
488430	E/A-Modul 4: CAN-subscriber steering valve 4 (EHS4) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X645:5/6		E	0
488431	E/A-Modul 4: CAN-subscriber steering valve 4 (EHS4) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X645:5/6		E	1
488730	E/A-Modul 4: CAN-participant E/A-Modul 3 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X645:5/6		E	0
488731	E/A-Modul 4: CAN-participant E/A-Modul 3 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X645:5/6		E	1
488830	E/A-Modul 4: CAN-participant E/A-Modul 4 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X645:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
488831	E/A-Modul 4: CAN-participant E/A-Modul 4 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X645:5/6		E	1
489731	E/A-Modul 4: CAN-transmission analogous input values Data transfer faulty/missing, max. cycle time exceeded System message could not be transmitted Check CAN network, check faulty Bus user.	X645:5/6		E	1
489831	E/A-Modul 4: CAN-transmission system time (master) Data transfer faulty/missing, max. cycle time exceeded System message could not be transmitted Check CAN network, check faulty Bus user.	X645:5/6		E	1
489900	E/A-Modul 4: Control data transfer CAN internal error at Register-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X645:5/6		E	2
489901	E/A-Modul 4: Control data transfer CAN internal error at RAM-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X645:5/6		E	2
489902	E/A-Modul 4: Control data transfer CAN Configuration error Software internal error, CAN-transmission will be aborted replace E/A-Modul, check Software (test system ZE)	X645:5/6		E	2
489903	E/A-Modul 4: Control data transfer CAN Transfer interrupted after continuous error CAN-Transmission will be aborted Check CAN network, replace E/A-Modul	X645:5/6		E	1
489910	E/A-Modul 4: Control data transfer CAN short-term error in bus connection re-attachment of Modul to bus transmission Check CAN network, connect individual Bus users and check if error has been remedied	X645:5/6		E	0
489911	E/A-Modul 4: Control data transfer CAN permanent error bus connection cyclic re-attachment of Modul to bus transmission Check CAN network, connect individual Bus users and check if error has been remedied	X645:5/6		E	1
489920	E/A-Modul 4: Control data transfer CAN active participant not responding parameterised substitute values for receiver signals will be used check error report for missing participant(s), test system ZE	X645:5/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
489921	E/A-Modul 4: Control data transfer CAN No active subscriber responding parameterised substitute values for receiver signals will be used in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X645:5/6		E	1
489950	E/A-Modul 4: Control data transfer CAN erroneous command test system no reaction to unknown test system control command in CAN-System Software check Software (test system)	X645:5/6		E	1
491211	E/A-Modul 4: Proportional valve steering axle LA2 CAN-communication with E/A-module faulty/lacking (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491212	E/A-Modul 4: Proportional valve steering axle LA2 CAN-communication with E/A-module faulty/lacking (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491213	E/A-Modul 4: Proportional valve steering axle LA2 CAN-communication with E/A-module implausible (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491214	E/A-Modul 4: Proportional valve steering axle LA2 CAN-communication with E/A-module implausible (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491215	E/A-Modul 4: Proportional valve steering axle LA2 Voltage supply/PWM-control faulty Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491216	E/A-Modul 4: Proportional valve steering axle LA2 Internal error, EEPROM-memory inconsistent Valve is not controlled (neutral position), secondary measures possibly required Check valve configuration, replace valve			E	1
491217	E/A-Modul 4: Proportional valve steering axle LA2 Reference value valve not neutral due to continuous error Valve is not controlled (neutral position), secondary measures possibly required Remedy fault, activate/deactivate ignition			E	1
491221	E/A-Modul 4: Proportional valve steering axle LA2 Voltage supply below permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
491222	E/A-Modul 4: Proportional valve steering axle LA2 Voltage supply above permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491223	E/A-Modul 4: Proportional valve steering axle LA2 Slide deflected too short; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve; replace valve; errors may be resulted from engine stalling			E	1
491224	E/A-Modul 4: Proportional valve steering axle LA2 Slide deflected too far; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
491225	E/A-Modul 4: Proportional valve steering axle LA2 Valve float position not reached Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
491226	E/A-Modul 4: Proportional valve steering axle LA2 Manual actuation With fault-free valve and neutral set value, error report only No manual operation possible, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1
491231	E/A-Modul 4: Proportional valve steering axle LA2 Voltage supply below 8V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491232	E/A-Modul 4: Proportional valve steering axle LA2 Voltage supply above 36..45V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491241	E/A-Modul 4: Proportional valve steering axle LA2 Voltage supply above 45V, internal emergency shut-down Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491242	E/A-Modul 4: Proportional valve steering axle LA2 Power amplifier error solenoid valve servo-control Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1
491243	E/A-Modul 4: Proportional valve steering axle LA2 Distance converter valve stroke faulty Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
491281	E/A-Modul 4: Proportional valve steering axle LA2 Slide valve can not be shifted into neutral position Internal emergency shut-down, possible valve can not switch to neutral, secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
491282	E/A-Modul 4: Proportional valve steering axle LA2 Slide valve not in neutral position upon activation Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1
491411	E/A-Modul 4: Proportional valve steering axle LA4 CAN-communication with E/A-module faulty/lacking (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491412	E/A-Modul 4: Proportional valve steering axle LA4 CAN-communication with E/A-module faulty/lacking (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491413	E/A-Modul 4: Proportional valve steering axle LA4 CAN-communication with E/A-module implausible (set value signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491414	E/A-Modul 4: Proportional valve steering axle LA4 CAN-communication with E/A-module implausible (config.-signal) Valve is not controlled (neutral position), secondary measures possibly required Check CAN-network, valve, E/A-module			E	1
491415	E/A-Modul 4: Proportional valve steering axle LA4 Voltage supply/PWM-control faulty Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491416	E/A-Modul 4: Proportional valve steering axle LA4 Internal error, EEPROM-memory inconsistent Valve is not controlled (neutral position), secondary measures possibly required Check valve configuration, replace valve			E	1
491417	E/A-Modul 4: Proportional valve steering axle LA4 Reference value valve not neutral due to continuous error Valve is not controlled (neutral position), secondary measures possibly required Remedy fault, activate/deactivate ignition			E	1
491421	E/A-Modul 4: Proportional valve steering axle LA4 Voltage supply below permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
491422	E/A-Modul 4: Proportional valve steering axle LA4 Voltage supply above permissible range Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491423	E/A-Modul 4: Proportional valve steering axle LA4 Slide deflected too short; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve; replace valve; errors may be resulted from engine stalling			E	1
491424	E/A-Modul 4: Proportional valve steering axle LA4 Slide deflected too far; jammed or control pressure too low Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
491425	E/A-Modul 4: Proportional valve steering axle LA4 Valve float position not reached Valve is not controlled (neutral position), secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
491426	E/A-Modul 4: Proportional valve steering axle LA4 Manual actuation With fault-free valve and neutral set value, error report only No manual operation possible, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1
491431	E/A-Modul 4: Proportional valve steering axle LA4 Voltage supply below 8V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491432	E/A-Modul 4: Proportional valve steering axle LA4 Voltage supply above 36..45V, power amplifier switched off Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491441	E/A-Modul 4: Proportional valve steering axle LA4 Voltage supply above 45V, internal emergency shut-down Valve is not controlled (neutral position), secondary measures possibly required Check on-board supply, replace valve			E	1
491442	E/A-Modul 4: Proportional valve steering axle LA4 Power amplifier error solenoid valve servo-control Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1
491443	E/A-Modul 4: Proportional valve steering axle LA4 Distance converter valve stroke faulty Valve is not controlled (neutral position), secondary measures possibly required Replace valve			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
491481	E/A-Modul 4: Proportional valve steering axle LA4 Slide valve can not be shifted into neutral position Internal emergency shut-down, possible valve can not switch to neutral, secondary measures possibly required Check hydraulic supply, valve; replace valve			E	1
491482	E/A-Modul 4: Proportional valve steering axle LA4 Slide valve not in neutral position upon activation Valve is not controlled (neutral position), secondary measures possibly required Hydraulic supply, check valve and replace if necessary; valve shifted mechanically out of neutral?			E	1
492747	E/A-Modul 4: control steering signal from steering pump flow switch erroneous control indicator for steering pump flashing check line connections, power supply 10 mA from E/A-Modul; replace sensor or E/A-Modul			E	1
492748	E/A-Modul 4: control steering signal from auxiliary steering pump flow switch erroneous control indicator for auxiliary steering pump flashing check line connections, power supply 10 mA from E/A-Modul; replace sensor or E/A-Modul			E	1
492831	E/A-Modul 4: control supports location coding for left support unit erroneous (set value = 1) support functions are blocked check line connection to E/A-Modul, check power supply from signal, replace E/A-Modul			E	2
492833	E/A-Modul 4: control supports left support unit key sticking or activated after switching on left support blocked check/unplug/replace support operating unit release activated key			E	1
494000	E/A-Modul 4: Control active rear axle steering Sensor values channel A/B are not synchronised Safety measure is initiated check cable/plugs for UB- or shorts to ground			E	1
494001	E/A-Modul 4: Control active rear axle steering Local sensor values are not synchronised Safety measure is initiated check cable/plugs for UB- or shorts to ground			E	1
494002	E/A-Modul 4: Control active rear axle steering Low voltage on voltage supply from I / O module Safety measure is initiated Check cable/plug on UB- or short circuit after ground or low voltage at engine ON			E	1
494003	E/A-Modul 4: Control active rear axle steering Signal from angle sensor front axle faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
494004	E/A-Modul 4: Control active rear axle steering Signals from channel A/B angle sensor front axle implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
494010	E/A-Modul 4: Control active rear axle steering Signal from angle sensor steering axle 1 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
494011	E/A-Modul 4: Control active rear axle steering Signals from channel A/B angle sensor steering axle 1 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
494017	E/A-Modul 4: Control active rear axle steering Signal from angle sensor steering axle 2 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
494018	E/A-Modul 4: Control active rear axle steering Signals from channel A/B angle sensor steering axle 2 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
494024	E/A-Modul 4: Control active rear axle steering Signal from angle sensor steering axle 3 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
494025	E/A-Modul 4: Control active rear axle steering Signals from channel A/B angle sensor steering axle 3 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel), check parallel resistance connection			E	1
494031	E/A-Modul 4: Control active rear axle steering Signal from angle sensor steering axle 4 faulty, tolerance too great Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
494032	E/A-Modul 4: Control active rear axle steering Signals from channel A/B angle sensor steering axle 4 implausible Safety measure is initiated Measure input current on E/A-module (approx.10 mA with straight-line travel)			E	1
494035	E/A-Modul 4: Control active rear axle steering Steering axle 1 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
494036	E/A-Modul 4: Control active rear axle steering Steering axle 2 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
494037	E/A-Modul 4: Control active rear axle steering Steering axle 3 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
494038	E/A-Modul 4: Control active rear axle steering Steering axle 4 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
494040	E/A-Modul 4: Control active rear axle steering Pressure supply centring circuit too low with speed > 10 km/h Safety measure is initiated Measure input signals on E/A-module, check pressure switch or hydraulic supply			E	1
494041	E/A-Modul 4: Control active rear axle steering Pressure supply centring circuit too high after ignition ON Safety measure is initiated Measure input signals on E/A-module, check pressure switch or hydraulic supply			E	1
494042	E/A-Modul 4: Control active rear axle steering Signals press. switch centr. circuit both ON / short circuit to Vcc Safety measure is initiated Measure input signals on E/A-module or check pressure switch			E	1
494043	E/A-Modul 4: Control active rear axle steering Sig. press. switch centr. circle both OFF/wire break/short circ. earth Safety measure is initiated Measure input signals on E/A-module or check pressure switch			E	1
494045	E/A-Modul 4: Control active rear axle steering Signal flow sensor steering pump: Oil supply too low error report on display Check input signals on E/A-module, flow switch or hydraulic supply			E	1
494046	E/A-Modul 4: Control active rear axle steering Signal flow sensor steering pump: Sensor faulty/missing error report on display Check input signals on E/A-module, flow switch or hydraulic supply			E	1
494049	E/A-Modul 4: Control active rear axle steering Signal flow sensor auxiliary steering pump: Oil supply too low error report on display Check input signals on E/A-module, flow switch or hydraulic supply			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
494050	E/A-Modul 4: Control active rear axle steering Signal flow sensor auxiliary steering pump: Sensor faulty/missing error report on display Check input signals on E/A-module, flow switch or hydraulic supply			E	1
494051	E/A-Modul 4: Control active rear axle steering Error in program run Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
494052	E/A-Modul 4: Control active rear axle steering Checksum faulty Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
494058	E/A-Modul 4: Control active rear axle steering Actuator values from opposite side are too old Safety measure is initiated Check CAN network, check faulty Bus user.			E	1
494059	E/A-Modul 4: Control active rear axle steering Actuator values difference with opposite side too great Safety measure is initiated note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	1
494060	E/A-Modul 4: Control active rear axle steering CAN- values from I / O module 3 are not plausible Safety measure is initiated Check cable/plug on UB- or short circuit after ground or low voltage at engine Start			E	1
494061	E/A-Modul 4: Control active rear axle steering CAN- values from I / O module 4 are not plausible Safety measure is initiated Check cable/plug on UB- or short circuit after ground or low voltage at engine Start			E	1
494062	E/A-Modul 4: Control active rear axle steering Outlet centring valves trans. faulty or short circ. following earth Safety measure is initiated Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1
494063	E/A-Modul 4: Control active rear axle steering Pressure supply emergency supply centering circuit too low error report on display Check input signals or initial actuation on I/O module			E	1
494064	E/A-Modul 4: Control active rear axle steering Outlet locking valve 1 trans. faulty or short circ. following earth Safety measure is initiated Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
494066	E/A-Modul 4: Control active rear axle steering Outlet locking valve 2 trans. faulty or short circ. following earth Safety measure is initiated Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1
494067	E/A-Modul 4: Control active rear axle steering Power feedback measuring determines too great a difference in current error report on display Check initial actuation on I/O module, check current supply, fuse of I/O module			E	1
494070	E/A-Modul 4: Control active rear axle steering Signal Travel speed tachograph faulty/missing Error report, replacement value 100 km/h, axles are reset depending on operation type Speed signal tacho, check CAN1, EAM1, EAM5, ECU, LSB			E	1
494071	E/A-Modul 4: Control active rear axle steering Signal travel speed output gear sensor faulty/lacking Error report, replacement value 100 km/h, axles are reset depending on operation type Speed signal tacho, check output gear speed			E	1
494072	E/A-Modul 4: Control active rear axle steering Signal travel speed tacho<->gear impl./outside tolerance Error report, replacement value 100 km/h, axles are reset depending on operation type Output gear speed, gear control unit, output sensor, check CAN			E	1
494073	E/A-Modul 4: Control active rear axle steering Signal engine speed diesel engine faulty/missing Error report, value is zeroed Speed signal ECU, check CAN1, ECU, EAM5, LSB			E	1
494075	E/A-Modul 4: Control active rear axle steering Steering axle 1 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
494076	E/A-Modul 4: Control active rear axle steering Steering axle 2 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
494077	E/A-Modul 4: Control active rear axle steering Steering axle 3 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1
494078	E/A-Modul 4: Control active rear axle steering Steering axle 4 not corresponding with angle set value Safety measure is initiated Note other error codes, check hydraulic rear axle steering			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
494080	E/A-Modul 4: Control active rear axle steering Set value specifica. operation type from operating unit faulty/missing Steering becomes faulty following time-out EAM1, operating unit, check LSB			E	1
494081	E/A-Modul 4: Control active rear axle steering Return report steering status right faulty/missing Steering becomes faulty following time-out Steering, check LSB			E	1
494085	E/A-Modul 4: Control active rear axle steering Error in computer at opposite side Safety measure is initiated Read error code on other module and remedy error			E	1
494090	E/A-Modul 4: Control active rear axle steering Diagnosis centring valve: steering axle 1 not centring error report on display Check whether valve is mechanically jammed			E	1
494091	E/A-Modul 4: Control active rear axle steering Diagnosis centring valve: steering axle 2 not centring error report on display Check whether valve is mechanically jammed			E	1
494092	E/A-Modul 4: Control active rear axle steering Diagnosis centring valve: steering axle 3 not centring error report on display Check whether valve is mechanically jammed			E	1
494093	E/A-Modul 4: Control active rear axle steering Diagnosis freewheel valve: steering axle 4 not freewheeling error report on display Check whether valve is mechanically jammed			E	1
494094	E/A-Modul 4: Control active rear axle steering Diagnosis locking valve: steering axle 1 not locking error report on display Check whether valve is mechanically jammed			E	1
494095	E/A-Modul 4: Control active rear axle steering Diagnosis locking valve: steering axle 2 not locking error report on display Check whether valve is mechanically jammed			E	1
494096	E/A-Modul 4: Control active rear axle steering Diagnosis locking valve: steering axle 3 not locking error report on display Check whether valve is mechanically jammed			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
494185	E/A-Modul 4: LSB-bus participant Support pressure transducer front right faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494186	E/A-Modul 4: LSB-bus participant Support pressure transducer front left faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494187	E/A-Modul 4: LSB-bus participant Support pressure transducer rear right faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494188	E/A-Modul 4: LSB-bus participant Support pressure transducer rear left faulty/not present communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494189	E/A-Modul 4: LSB-bus participant Incline sensor erroneous/ missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494190	E/A-Modul 4: LSB-bus participant ZE missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494191	E/A-Modul 4: LSB-bus participant E/A-Modul 1 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494192	E/A-Modul 4: LSB-bus participant E/A-Modul 2 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494193	E/A-Modul 4: LSB-bus participant E/A-Modul 3 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
494195	E/A-Modul 4: LSB-bus participant E/A-Modul 5 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
496000	E/A-Modul 4: operation transversal lock function simultaneously ON and OFF function is not carried out do not simultaneously activate contrasting function keys			B	
496011	E/A-Modul 4: operation transversal lock unauthorised switching on of function function is not carried out start engine and repeat operation			B	
496012	E/A-Modul 4: operation transversal lock unauthorised switching off of function function is not carried out start engine and repeat operation			B	
496013	E/A-Modul 4: operation transversal lock unauthorised function activation function is not carried out start engine and repeat operation			B	
496014	E/A-Modul 4: operation transversal lock activation of function without operation mode function is not carried out start engine and repeat operation			B	
496408	E/A-Modul 4: operation supports unauthorised operation from upper-carriage function is not carried out check coding of E/A-Modul 3 and E/A-Modul 4 (see electric circuit diagram)			B	
496409	E/A-Modul 4: operation supports unauthorised operation from under-carriage function is not carried out check coding of E/A-Modul 3 and E/A-Modul 4 (see electric circuit diagram)			B	
496440	E/A-Modul 4: operation supports simultaneous UP and DOWN operation of support control unit function is not carried out actuate UP key or DOWN key of the respective support operating unit, start test program support service unit			B	
496441	E/A-Modul 4: operation supports simultaneous IN and OUT operation of support control unit function is not carried out actuate OFF key or ON key of the respective support operating unit, start test program support operating unit			B	
496442	E/A-Modul 4: operation supports simultaneous UP and DOWN operation on upper-carriage monitor function is not carried out actuate UP key or DOWN key of the respective support operating unit, start test program support service unit			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
496443	E/A-Modul 4: operation supports simultaneous IN and OUT operation on upper-carriage monitor function is not carried out actuate OFF key or ON key of the respective support operating unit, start test program support operating unit			B	
496444	E/A-Modul 4: operation supports simultaneous left and right operation of support control unit function is not carried out activate support from only one operating position or start test program support operating unit			B	
496445	E/A-Modul 4: operation supports simultaneous operation of support control unit and upper-carriage function is not carried out activate support from only one operating position or start test program support operating unit			B	
496446	E/A-Modul 4: operation supports simultaneous operation of support control unit and upper-carriage function is not carried out activate support from only one operating position or start test program support operating unit			B	
496447	E/A-Modul 4: operation supports operation of support control unit with travel direction D engaged function is not carried out switch transmission to neutral (N)			B	
496448	E/A-Modul 4: operation supports operation of support control unit with travel direction R engaged function is not carried out switch transmission to neutral (N)			B	
496449	E/A-Modul 4: operation supports op. of upper-carriage monitor with travel direction D engaged function is not carried out switch transmission to neutral (N)			B	
496450	E/A-Modul 4: operation supports operation of upper-carriage-monitor R function is not carried out switch transmission to neutral (N)			B	
496452	E/A-Modul 4: operation supports unauthorised activation of left support control unit key left support blocked release activated key after having authorized function through hand- key			B	
498028	E/A-Modul 4: Operation active rear axle steering Wheel collision last mech. steered and 1st electr. steered axle Output of error Turn the steering wheel in the other direction			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
498030	E/A-Modul 4: Operation active rear axle steering Switch-over operation type prevented: Travel speed too high			B	
498031	E/A-Modul 4: Operation active rear axle steering Change-over operation type prevented: Adjust axles manually			B	
499890	E/A-Modul 4: operation diagnosis system test program not executable as engine is not OFF function is not carried out shut down engine			B	
499892	E/A-Modul 4: operation diagnosis system test program not executable as not in under-carriage op. mode function is not carried out switch over uppercarriage/undercarriage-change-switch to undercarriage operation mode			B	
500001	ZE 5: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
500002	ZE 5: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
500006	ZE 5: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
500007	ZE 5: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
500010	ZE 5: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
500011	ZE 5: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500012	ZE 5: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
500013	ZE 5: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
500014	ZE 5: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped			E	2
500015	ZE 5: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped			E	2
500016	ZE 5: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped			E	2
500017	ZE 5: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped			E	2
500018	ZE 5: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
500019	ZE 5: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
500020	ZE 5: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2
500021	ZE 5: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500022	ZE 5: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
500023	ZE 5: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2
500024	ZE 5: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped			E	2
500025	ZE 5: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped			E	2
500026	ZE 5: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped			E	2
500030	ZE 5: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped			E	2
500041	ZE 5: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped			E	2
500044	ZE 5: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped			E	2
500045	ZE 5: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped			E	2
500046	ZE 5: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500047	ZE 5: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped			E	2
500048	ZE 5: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped			E	2
500049	ZE 5: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
500050	ZE 5: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped			E	2
500051	ZE 5: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped			E	2
500052	ZE 5: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped			E	2
500053	ZE 5: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
500054	ZE 5: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
500055	ZE 5: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2
500056	ZE 5: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500057	ZE 5: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
500058	ZE 5: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
500059	ZE 5: system error OS-HC11 (observe parameters) subroutine not reenterant entry in error memory, all crane movements will be stopped			E	2
500060	ZE 5: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
500061	ZE 5: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
500062	ZE 5: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
500063	ZE 5: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
500065	ZE 5: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped			E	2
500066	ZE 5: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500067	ZE 5: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500068	ZE 5: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500070	ZE 5: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2
500071	ZE 5: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible			E	2
500072	ZE 5: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible			E	2
500073	ZE 5: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped			E	2
500074	ZE 5: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped			E	2
500075	ZE 5: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500076	ZE 5: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
500077	ZE 5: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2
500078	ZE 5: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500079	ZE 5: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
500080	ZE 5: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2
500081	ZE 5: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped			E	2
500082	ZE 5: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500094	ZE 5: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
500095	ZE 5: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
500099	ZE 5: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
502001	ZE 5: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
502002	ZE 5: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
502006	ZE 5: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
502007	ZE 5: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
502020	ZE 5: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
502021	ZE 5: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
502082	ZE 5: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
510012	ZE 5: output 0 short circuit to ground	X75:16		E	1
510013	ZE 5: output 0 open signal circuits	X75:16		E	1
510014	ZE 5: output 0 short circuit to supply voltage	X75:16		E	1
510054	ZE 5: output 0 short circuit to supply voltage	X75:16		E	1
510058	ZE 5: output 0 positive switching transistor: disruption	X75:16		E	1
510060	ZE 5: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510062	ZE 5: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:16		E	1
510063	ZE 5: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:16		E	1
510070	ZE 5: output 0 measuring system defect no crane operation possible entry in error list	X75:16		E	1
510071	ZE 5: output 0 short circuit to ground or transistor defect	X75:16		E	1
510072	ZE 5: output 0 outside source feeding	X75:16		E	1
510073	ZE 5: output 0 open circuit or short circuit to supply voltage/ground	X75:16		E	1
510112	ZE 5: output 1 short circuit to ground	X75:17		E	1
510113	ZE 5: output 1 open signal circuits	X75:17		E	1
510114	ZE 5: output 1 short circuit to supply voltage	X75:17		E	1
510154	ZE 5: output 1 short circuit to supply voltage	X75:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510158	ZE 5: output 1 positive switching transistor: disruption	X75:17		E	1
510160	ZE 5: output 1 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:17		E	1
510162	ZE 5: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:17		E	1
510163	ZE 5: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:17		E	1
510170	ZE 5: output 1 measuring system defect no crane operation possible entry in error list	X75:17		E	1
510171	ZE 5: output 1 short circuit to ground or transistor defect	X75:17		E	1
510172	ZE 5: output 1 outside source feeding	X75:17		E	1
510173	ZE 5: output 1 open circuit or short circuit to supply voltage/ground	X75:17		E	1
510212	ZE 5: output 2 short circuit to ground	X75:18		E	1
510213	ZE 5: output 2 open signal circuits	X75:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510214	ZE 5: output 2 short circuit to supply voltage	X75:18		E	1
510254	ZE 5: output 2 short circuit to supply voltage	X75:18		E	1
510258	ZE 5: output 2 positive switching transistor: disruption	X75:18		E	1
510270	ZE 5: output 2 measuring system defect no crane operation possible entry in error list	X75:18		E	1
510271	ZE 5: output 2 short circuit to ground or transistor defect	X75:18		E	1
510272	ZE 5: output 2 outside source feeding	X75:18		E	1
510273	ZE 5: output 2 open circuit or short circuit to supply voltage/ground	X75:18		E	1
510312	ZE 5: output 3 short circuit to ground	X75:19		E	1
510313	ZE 5: output 3 open signal circuits	X75:19		E	1
510314	ZE 5: output 3 short circuit to supply voltage	X75:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510354	ZE 5: output 3 short circuit to supply voltage	X75:19		E	1
510358	ZE 5: output 3 positive switching transistor: disruption	X75:19		E	1
510370	ZE 5: output 3 measuring system defect no crane operation possible entry in error list	X75:19		E	1
510371	ZE 5: output 3 short circuit to ground or transistor defect	X75:19		E	1
510372	ZE 5: output 3 outside source feeding	X75:19		E	1
510373	ZE 5: output 3 open circuit or short circuit to supply voltage/ground	X75:19		E	1
510412	ZE 5: output 4 short circuit to ground	X75:20		E	1
510413	ZE 5: output 4 open signal circuits	X75:20		E	1
510414	ZE 5: output 4 short circuit to supply voltage	X75:20		E	1
510454	ZE 5: output 4 short circuit to supply voltage	X75:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510458	ZE 5: output 4 positive switching transistor: disruption	X75:20		E	1
510460	ZE 5: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:20		E	1
510462	ZE 5: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:20		E	1
510463	ZE 5: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:20		E	1
510470	ZE 5: output 4 measuring system defect no crane operation possible entry in error list	X75:20		E	1
510471	ZE 5: output 4 short circuit to ground or transistor defect	X75:20		E	1
510472	ZE 5: output 4 outside source feeding	X75:20		E	1
510473	ZE 5: output 4 open circuit or short circuit to supply voltage/ground	X75:20		E	1
510512	ZE 5: output 5 short circuit to ground	X75:21		E	1
510513	ZE 5: output 5 open signal circuits	X75:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510514	ZE 5: output 5 short circuit to supply voltage	X75:21		E	1
510554	ZE 5: output 5 short circuit to supply voltage	X75:21		E	1
510558	ZE 5: output 5 positive switching transistor: disruption	X75:21		E	1
510560	ZE 5: output 5 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:21		E	1
510562	ZE 5: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:21		E	1
510563	ZE 5: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:21		E	1
510570	ZE 5: output 5 measuring system defect no crane operation possible entry in error list	X75:21		E	1
510571	ZE 5: output 5 short circuit to ground or transistor defect	X75:21		E	1
510572	ZE 5: output 5 outside source feeding	X75:21		E	1
510573	ZE 5: output 5 open circuit or short circuit to supply voltage/ground	X75:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510612	ZE 5: output 6 short circuit to ground	X75:22		E	1
510613	ZE 5: output 6 open signal circuits	X75:22		E	1
510614	ZE 5: output 6 short circuit to supply voltage	X75:22		E	1
510654	ZE 5: output 6 short circuit to supply voltage	X75:22		E	1
510658	ZE 5: output 6 positive switching transistor: disruption	X75:22		E	1
510670	ZE 5: output 6 measuring system defect no crane operation possible entry in error list	X75:22		E	1
510671	ZE 5: output 6 short circuit to ground or transistor defect	X75:22		E	1
510672	ZE 5: output 6 outside source feeding	X75:22		E	1
510673	ZE 5: output 6 open circuit or short circuit to supply voltage/ground	X75:22		E	1
510712	ZE 5: output 7 short circuit to ground	X75:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510713	ZE 5: output 7 open signal circuits	X75:23		E	1
510714	ZE 5: output 7 short circuit to supply voltage	X75:23		E	1
510754	ZE 5: output 7 short circuit to supply voltage	X75:23		E	1
510758	ZE 5: output 7 positive switching transistor: disruption	X75:23		E	1
510770	ZE 5: output 7 measuring system defect no crane operation possible entry in error list	X75:23		E	1
510771	ZE 5: output 7 short circuit to ground or transistor defect	X75:23		E	1
510772	ZE 5: output 7 outside source feeding	X75:23		E	1
510773	ZE 5: output 7 open circuit or short circuit to supply voltage/ground	X75:23		E	1
514959	ZE 5: all output supply voltage missing	X75		E	1
515059	ZE 5: output group 0 supply voltage missing	X75:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
515159	ZE 5: output group 1 supply voltage missing	X75:24		E	1
515259	ZE 5: output group 2 supply voltage missing	X75:25		E	1
515359	ZE 5: output group 3 supply voltage missing	X75:13		E	1
520004	ZE 5: LSB participant address 0 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
520005	ZE 5: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
520018	ZE 5: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520050	ZE 5: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
520051	ZE 5: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
520053	ZE 5: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
520054	ZE 5: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520064	ZE 5: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
520065	ZE 5: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520066	ZE 5: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520067	ZE 5: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
520104	ZE 5: LSB participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
520105	ZE 5: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
520118	ZE 5: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520150	ZE 5: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
520151	ZE 5: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
520153	ZE 5: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520154	ZE 5: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
520164	ZE 5: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
520165	ZE 5: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520166	ZE 5: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520167	ZE 5: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
520204	ZE 5: LSB participant address 2 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
520205	ZE 5: LSB participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
520218	ZE 5: LSB participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520250	ZE 5: LSB participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
520251	ZE 5: LSB participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520253	ZE 5: LSB participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
520254	ZE 5: LSB participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
520264	ZE 5: LSB participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
520265	ZE 5: LSB participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520266	ZE 5: LSB participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520267	ZE 5: LSB participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
520904	ZE 5: LSB participant address 9 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
520905	ZE 5: LSB participant address 9 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
520918	ZE 5: LSB participant address 9 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520950	ZE 5: LSB participant address 9 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520951	ZE 5: LSB participant address 9 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
520953	ZE 5: LSB participant address 9 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
520954	ZE 5: LSB participant address 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
520964	ZE 5: LSB participant address 9 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
520965	ZE 5: LSB participant address 9 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520966	ZE 5: LSB participant address 9 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520967	ZE 5: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521404	ZE 5: LSB participant address 14 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
521405	ZE 5: LSB participant address 14 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521418	ZE 5: LSB participant address 14 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521450	ZE 5: LSB participant address 14 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521451	ZE 5: LSB participant address 14 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521453	ZE 5: LSB participant address 14 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521454	ZE 5: LSB participant address 14 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521464	ZE 5: LSB participant address 14 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
521465	ZE 5: LSB participant address 14 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521466	ZE 5: LSB participant address 14 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521467	ZE 5: LSB participant address 14 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521504	ZE 5: LSB participant address 15 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
521505	ZE 5: LSB participant address 15 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521518	ZE 5: LSB participant address 15 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521550	ZE 5: LSB participant address 15 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521551	ZE 5: LSB participant address 15 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521553	ZE 5: LSB participant address 15 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521554	ZE 5: LSB participant address 15 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521564	ZE 5: LSB participant address 15 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
521565	ZE 5: LSB participant address 15 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521566	ZE 5: LSB participant address 15 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521567	ZE 5: LSB participant address 15 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521604	ZE 5: LSB participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521605	ZE 5: LSB participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521618	ZE 5: LSB participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521650	ZE 5: LSB participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521651	ZE 5: LSB participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521653	ZE 5: LSB participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521654	ZE 5: LSB participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521664	ZE 5: LSB participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
521665	ZE 5: LSB participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521666	ZE 5: LSB participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521667	ZE 5: LSB participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521704	ZE 5: LSB participant address 17 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
521705	ZE 5: LSB participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521718	ZE 5: LSB participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521750	ZE 5: LSB participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521751	ZE 5: LSB participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521753	ZE 5: LSB participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521754	ZE 5: LSB participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521764	ZE 5: LSB participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
521765	ZE 5: LSB participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521766	ZE 5: LSB participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521767	ZE 5: LSB participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521804	ZE 5: LSB participant address 18 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
521805	ZE 5: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521818	ZE 5: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521850	ZE 5: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521851	ZE 5: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521853	ZE 5: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521854	ZE 5: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521864	ZE 5: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
521865	ZE 5: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521866	ZE 5: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521867	ZE 5: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521904	ZE 5: LSB participant address 19 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
521905	ZE 5: LSB participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521918	ZE 5: LSB participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521950	ZE 5: LSB participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521951	ZE 5: LSB participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521953	ZE 5: LSB participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521954	ZE 5: LSB participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521964	ZE 5: LSB participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521965	ZE 5: LSB participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521966	ZE 5: LSB participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521967	ZE 5: LSB participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522004	ZE 5: LSB participant address 20 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
522005	ZE 5: LSB participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522018	ZE 5: LSB participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522050	ZE 5: LSB participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522051	ZE 5: LSB participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522053	ZE 5: LSB participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522054	ZE 5: LSB participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522064	ZE 5: LSB participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
522065	ZE 5: LSB participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522066	ZE 5: LSB participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522067	ZE 5: LSB participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522104	ZE 5: LSB participant address 21 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
522105	ZE 5: LSB participant address 21 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522118	ZE 5: LSB participant address 21 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522150	ZE 5: LSB participant address 21 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522151	ZE 5: LSB participant address 21 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522153	ZE 5: LSB participant address 21 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522154	ZE 5: LSB participant address 21 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522164	ZE 5: LSB participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
522165	ZE 5: LSB participant address 21 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522166	ZE 5: LSB participant address 21 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522167	ZE 5: LSB participant address 21 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522504	ZE 5: LSB participant address 25 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
522505	ZE 5: LSB participant address 25 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522518	ZE 5: LSB participant address 25 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522550	ZE 5: LSB participant address 25 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522551	ZE 5: LSB participant address 25 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522553	ZE 5: LSB participant address 25 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522554	ZE 5: LSB participant address 25 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522564	ZE 5: LSB participant address 25 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
522565	ZE 5: LSB participant address 25 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522566	ZE 5: LSB participant address 25 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522567	ZE 5: LSB participant address 25 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522604	ZE 5: LSB participant address 26 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
522605	ZE 5: LSB participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522618	ZE 5: LSB participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522650	ZE 5: LSB participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522651	ZE 5: LSB participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522653	ZE 5: LSB participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522654	ZE 5: LSB participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522664	ZE 5: LSB participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
522665	ZE 5: LSB participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522666	ZE 5: LSB participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522667	ZE 5: LSB participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522704	ZE 5: LSB participant address 27 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
522705	ZE 5: LSB participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522718	ZE 5: LSB participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522750	ZE 5: LSB participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522751	ZE 5: LSB participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522753	ZE 5: LSB participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522754	ZE 5: LSB participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522764	ZE 5: LSB participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
522765	ZE 5: LSB participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522766	ZE 5: LSB participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522767	ZE 5: LSB participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522904	ZE 5: LSB participant address 29 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1
522905	ZE 5: LSB participant address 29 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522918	ZE 5: LSB participant address 29 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522950	ZE 5: LSB participant address 29 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522951	ZE 5: LSB participant address 29 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522953	ZE 5: LSB participant address 29 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522954	ZE 5: LSB participant address 29 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522964	ZE 5: LSB participant address 29 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
522965	ZE 5: LSB participant address 29 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522966	ZE 5: LSB participant address 29 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522967	ZE 5: LSB participant address 29 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
523004	ZE 5: LSB participant address 30 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
523005	ZE 5: LSB participant address 30 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
523018	ZE 5: LSB participant address 30 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
523050	ZE 5: LSB participant address 30 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
523051	ZE 5: LSB participant address 30 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
523053	ZE 5: LSB participant address 30 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
523054	ZE 5: LSB participant address 30 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
523064	ZE 5: LSB participant address 30 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X635E:z14/z16		E	1
523065	ZE 5: LSB participant address 30 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
523066	ZE 5: LSB participant address 30 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
523067	ZE 5: LSB participant address 30 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
523252	ZE 5: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635E:z14/z16		E	0
523255	ZE 5: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635E:z14/z16		E	2
523256	ZE 5: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635E:z14/z16		E	2
523257	ZE 5: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635E:z14/z16		E	1
523258	ZE 5: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635E:z14/z16		E	0
523259	ZE 5: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635E:z14/z16		E	0
523260	ZE 5: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635E:z14/z16		E	2
523261	ZE 5: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635E:z14/z16		E	2
523262	ZE 5: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635E:z14/z16		E	2
533100	ZE 5: Control ballasting / counterweight carriage Limit switch "BW bolted" faulty / not present - Shut-down BW active Control op. type with counterweight carriage is switched over to - req.s for operation with BW must be met. Error remedy see corresponding system error.			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
533101	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and FB inserted Shut-down due to unclear recognition of assembly condition. Check of cabling - short-circuit following earthing or line interruption, checking of inputs.			E	
533102	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW bolted and FB inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533103	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and bolted and FB inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533104	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - B inserted and FB not inserted Shut-down due to unclear recognition of assembly condition. Check of cabling - short-circuit following supply voltage or earthing or line interruption.			E	
533105	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and B inserted Shut-down due to unclear recognition of assembly condition. Check of cabling - short-circuit following supply voltage or earthing or line interruption.			E	
533106	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW bolted and B inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533107	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and bolted and B inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533108	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW bolted FB inserted and B inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533112	ZE 5: Control ballasting / counterweight carriage Safety test counterweight carriage reports error - check control BW Cont. carries on running, however poss. error function as faulty recognised system component during safety test Switch over derr. monitor to count. carriage and read error reports in error diagnosis system of counterweight carriage.			E	
533113	ZE 5: Control ballasting / counterweight carriage Control of axles without func., relevant sensor faulty/not present Control of the axles is switched off, axles remain in the last set condition Reestablish function of the respective sensor - error remedy see corresponding system error.			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
533114	ZE 5: Control ballasting / counterweight carriage Data trans (LSB) between crane and counte. carriage interrupted Functions affected by the transmission fault will not be carried out. Error remedy see corresponding system error or operating error.			E	
533900	ZE 5: crane control signal engine speed defective/missing output of error, rated speed will now be adjusted for the power limitation check engine electronics, with permanent error contact after-sales service			E	1
533901	ZE 5: crane control Signal current engine momentum - Maximum erroneous / missing output of error, rated speed will now be adjusted for the power limitation check engine electronics, with permanent error contact after-sales service			E	1
536102	ZE 5: Operation ballasting / counterweight carriage Shut-down counterweight on ground Operation conditional shut-down, may not be shunted. If possible raise the wheels via lifting the load or reducing the mounted suspended counterweight			B	
536103	ZE 5: Operation ballasting / counterweight carriage Shut-down support counterweight carriage is not retracted Operation conditional shut-down, may not be shunted. Retract support cylinder counterweight carriage completely.			B	
536104	ZE 5: Operation ballasting / counterweight carriage Shut-down counterweight carriage telescoping blocked Operation conditional shut-down, shunting via lifting up keyswitch BW - only switch on if BW safely lifted Press "Tow-travel on" key until the wheels are in the travel direction and the indicator lamp remains lit.			B	
536105	ZE 5: Operation ballasting / counterweight carriage Shut-down keys counterweight "Up" / "Down" actuated simultaneously Operation conditional shut-down, may not be shunted. Release one of the keys or check the switch and the cabling.			B	
536106	ZE 5: Operation ballasting / counterweight carriage Shut-down keys counterweight "In" / "Out" actuated simultaneously Operation conditional shut-down, may not be shunted. Release one of the keys or check the switch and the cabling.			B	
536107	ZE 5: Operation ballasting / counterweight carriage Shut-down keys support BW "Up" / "Down" actuated simultaneously Operation conditional shut-down, may not be shunted. Release one of the keys or check the switch and the cabling.			B	
536108	ZE 5: Operation ballasting / counterweight carriage Counterweight carriage (BW) is inserted but not yet bolted report of error, otherwise no reaction Bolt or unplug counterweight carriage.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
536109	ZE 5: Operation ballasting / counterweight carriage BW is bolted but not inserted - dummy plug is inserted Control op. type with counterweight carriage is switched over to - req.s for operation with BW must be met. Unbolt or plug in counterweight carriage.			B	
536110	ZE 5: Operation ballasting / counterweight carriage No counterweight inserted or dummy plug not inserted report of error, otherwise no reaction Plug in dummy plug.			B	
536111	ZE 5: Operation ballasting / counterweight carriage Counterweight carriage (BW) is bolted but not inserted Control op. type with counterweight carriage is switched over to - req.s for operation with BW must be met. Unbolt or plug in counterweight carriage.			B	
536112	ZE 5: Operation ballasting / counterweight carriage Leveling (B/BW)without function level sensor(B/BW) erroneous/missing Levelling is switched off, switches for cylinder A - Stop and cylinder B - Stop however carry on functioning. Check defective or missing level sensor. See also corresponding system error.			B	
536118	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 < F min Operation conditional shut-down, may not be shunted. Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
536119	ZE 5: Operation ballasting / counterweight carriage no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
536120	ZE 5: Operation ballasting / counterweight carriage LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
536121	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
536122	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
536124	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
53612B	ZE 5: Operation ballasting / counterweight carriage Shut off Derrick ballast pulled > Derrick ballast max Operation conditional switch off, may not be shunted Lower load or derrick ballast			B	
536154	ZE 5: Operation ballasting / counterweight carriage Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted Wind off main boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
536155	ZE 5: Operation ballasting / counterweight carriage Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Wind off derrick boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
536170	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" vo. left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536171	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" vo. right faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536172	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" hi. left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536173	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" hi. right faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536174	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Support retracted" vo. faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536175	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Support retracted" hi. faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536185	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "RFP Main boom" right faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
536186	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "RFP Main boom" links faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536187	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Overtop guard cyl D" right faulty/not prese Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536188	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Overtop guard cyl D" left faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
536942	ZE 5: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
536943	ZE 5: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			B	1
561001	E/A-Modul 5: system error OS-C167 initialising error processor-register erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
561002	E/A-Modul 5: system error OS-C167 initialising error test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
561006	E/A-Modul 5: system error OS-C167 initialising error RAM erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
561013	E/A-Modul 5: system error OS-C167 test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
561016	E/A-Modul 5: system error OS-C167 system-, driver-watchdog expired error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
561068	E/A-Modul 5: system error OS-C167 impermissible interrupt error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
561071	E/A-Modul 5: system error OS-C167 Invalid configuration or Firmware error indication on display re-load Software from ZE			E	2
561080	E/A-Modul 5: system error OS-C167 fatal internal software error error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
561082	E/A-Modul 5: system error OS-C167 hardware-watchdog erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
561088	E/A-Modul 5: system error OS-C167 Configuration does not match software condition error indication on display Comparison SW-condition EAM-SW and configuration LICCON different, check LICCON-configuration, download EAM			E	2
561089	E/A-Modul 5: system error OS-C167 Incorrect version of firmware installed Error output, possible error functions of module Replace module, reload firmware			E	1
561090	E/A-Modul 5: system error OS-C167 Incorrect hardware version recognised Error output, possible error functions of module Replace module			E	1
572052	E/A-Modul 5: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:17		E	1
572053	E/A-Modul 5: input/output DEA0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:17		E	1
572054	E/A-Modul 5: input/output DEA0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
572055	E/A-Modul 5: input/output DEA0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:17		E	1
572152	E/A-Modul 5: input/output DEA1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:15		E	1
572153	E/A-Modul 5: input/output DEA1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:15		E	1
572154	E/A-Modul 5: input/output DEA1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:15		E	1
572155	E/A-Modul 5: input/output DEA1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:15		E	1
572252	E/A-Modul 5: input/output DEA2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:13		E	1
572253	E/A-Modul 5: input/output DEA2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:13		E	1
572254	E/A-Modul 5: input/output DEA2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:13		E	1
572255	E/A-Modul 5: input/output DEA2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:13		E	1
572352	E/A-Modul 5: input/output DEA3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
572353	E/A-Modul 5: input/output DEA3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:11		E	1
572354	E/A-Modul 5: input/output DEA3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:11		E	1
572355	E/A-Modul 5: input/output DEA3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:11		E	1
572452	E/A-Modul 5: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:9		E	1
572453	E/A-Modul 5: input/output DEA4 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:9		E	1
572454	E/A-Modul 5: input/output DEA4 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:9		E	1
572455	E/A-Modul 5: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:9		E	1
572552	E/A-Modul 5: input/output DEA5 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:7		E	1
572553	E/A-Modul 5: input/output DEA5 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:7		E	1
572554	E/A-Modul 5: input/output DEA5 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
572555	E/A-Modul 5: input/output DEA5 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:7		E	1
572652	E/A-Modul 5: input/output DEA6 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:5		E	1
572653	E/A-Modul 5: input/output DEA6 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:5		E	1
572654	E/A-Modul 5: input/output DEA6 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:5		E	1
572655	E/A-Modul 5: input/output DEA6 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:5		E	1
572752	E/A-Modul 5: input/output DEA7 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:3		E	1
572753	E/A-Modul 5: input/output DEA7 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:3		E	1
572754	E/A-Modul 5: input/output DEA7 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:3		E	1
572755	E/A-Modul 5: input/output DEA7 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:3		E	1
573782	E/A-Modul 5: voltage input E7 short circuit to ground, open line, constant current 10 mA incorrect On the indicator unit, the symbol blinks for the Diesel tank check input signal on the E/A-Modul or sensor	X652:3		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
573783	E/A-Modul 5: voltage input E7 short circuit to supply voltage, open line, lack of voltage On the indicator unit, the symbol blinks for the Diesel tank check input signal on the E/A-Modul or sensor	X652:3		E	1
579052	E/A-Modul 5: output A0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:18		E	1
579053	E/A-Modul 5: output A0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:18		E	1
579054	E/A-Modul 5: output A0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:18		E	1
579055	E/A-Modul 5: output A0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:18		E	1
579152	E/A-Modul 5: output A1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:16		E	1
579153	E/A-Modul 5: output A1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:16		E	1
579154	E/A-Modul 5: output A1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:16		E	1
579155	E/A-Modul 5: output A1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:16		E	1
579250	E/A-Modul 5: bridge output A2 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X653:14		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
579251	E/A-Modul 5: bridge output A2 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X653:14		E	1
579252	E/A-Modul 5: bridge output A2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:14		E	1
579253	E/A-Modul 5: bridge output A2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:14		E	1
579254	E/A-Modul 5: bridge output A2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:14		E	1
579255	E/A-Modul 5: bridge output A2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:14		E	1
579350	E/A-Modul 5: bridge output A3 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X653:12		E	1
579351	E/A-Modul 5: bridge output A3 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X653:12		E	1
579352	E/A-Modul 5: bridge output A3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X653:12		E	1
579353	E/A-Modul 5: bridge output A3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X653:12		E	1
579354	E/A-Modul 5: bridge output A3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X653:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
579355	E/A-Modul 5: bridge output A3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X653:12		E	1
584104	E/A-Modul 5: LSB-B participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X653:4/6		E	1
584105	E/A-Modul 5: LSB-B participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X653:4/6		E	1
584118	E/A-Modul 5: LSB-B participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X653:4/6		E	0
584150	E/A-Modul 5: LSB-B participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X653:4/6		E	2
584151	E/A-Modul 5: LSB-B participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X653:4/6		E	2
584153	E/A-Modul 5: LSB-B participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X653:4/6		E	1
584154	E/A-Modul 5: LSB-B participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X653:4/6		E	2
584164	E/A-Modul 5: LSB-B participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X653:4/6		E	1
584165	E/A-Modul 5: LSB-B participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X653:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
584166	E/A-Modul 5: LSB-B participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X653:4/6		E	2
584167	E/A-Modul 5: LSB-B participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X653:4/6		E	1
584204	E/A-Modul 5: LSB-B participant address 2 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X653:4/6		E	1
584205	E/A-Modul 5: LSB-B participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X653:4/6		E	1
584218	E/A-Modul 5: LSB-B participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X653:4/6		E	0
584250	E/A-Modul 5: LSB-B participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X653:4/6		E	2
584251	E/A-Modul 5: LSB-B participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X653:4/6		E	2
584253	E/A-Modul 5: LSB-B participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X653:4/6		E	1
584254	E/A-Modul 5: LSB-B participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X653:4/6		E	2
584264	E/A-Modul 5: LSB-B participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X653:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
584265	E/A-Modul 5: LSB-B participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X653:4/6		E	2
584266	E/A-Modul 5: LSB-B participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X653:4/6		E	2
584267	E/A-Modul 5: LSB-B participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X653:4/6		E	1
584304	E/A-Modul 5: LSB-B participant address 3 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X653:4/6		E	1
584305	E/A-Modul 5: LSB-B participant address 3 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X653:4/6		E	1
584318	E/A-Modul 5: LSB-B participant address 3 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X653:4/6		E	0
584350	E/A-Modul 5: LSB-B participant address 3 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X653:4/6		E	2
584351	E/A-Modul 5: LSB-B participant address 3 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X653:4/6		E	2
584353	E/A-Modul 5: LSB-B participant address 3 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X653:4/6		E	1
584354	E/A-Modul 5: LSB-B participant address 3 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X653:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
584364	E/A-Modul 5: LSB-B participant address 3 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X653:4/6		E	1
584365	E/A-Modul 5: LSB-B participant address 3 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X653:4/6		E	2
584366	E/A-Modul 5: LSB-B participant address 3 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X653:4/6		E	2
584367	E/A-Modul 5: LSB-B participant address 3 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X653:4/6		E	1
584404	E/A-Modul 5: LSB-B participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X653:4/6		E	1
584405	E/A-Modul 5: LSB-B participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X653:4/6		E	1
584418	E/A-Modul 5: LSB-B participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X653:4/6		E	0
584450	E/A-Modul 5: LSB-B participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X653:4/6		E	2
584451	E/A-Modul 5: LSB-B participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X653:4/6		E	2
584453	E/A-Modul 5: LSB-B participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X653:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
584454	E/A-Modul 5: LSB-B participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X653:4/6		E	2
584464	E/A-Modul 5: LSB-B participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X653:4/6		E	1
584465	E/A-Modul 5: LSB-B participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X653:4/6		E	2
584466	E/A-Modul 5: LSB-B participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X653:4/6		E	2
584467	E/A-Modul 5: LSB-B participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X653:4/6		E	1
584504	E/A-Modul 5: LSB-B participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X653:4/6		E	1
584505	E/A-Modul 5: LSB-B participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X653:4/6		E	1
584518	E/A-Modul 5: LSB-B participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X653:4/6		E	0
584550	E/A-Modul 5: LSB-B participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X653:4/6		E	2
584551	E/A-Modul 5: LSB-B participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X653:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
584553	E/A-Modul 5: LSB-B participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X653:4/6		E	1
584554	E/A-Modul 5: LSB-B participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X653:4/6		E	2
584564	E/A-Modul 5: LSB-B participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X653:4/6		E	1
584565	E/A-Modul 5: LSB-B participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X653:4/6		E	2
584566	E/A-Modul 5: LSB-B participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X653:4/6		E	2
584567	E/A-Modul 5: LSB-B participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X653:4/6		E	1
584604	E/A-Modul 5: LSB-B participant address 6 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X653:4/6		E	1
584605	E/A-Modul 5: LSB-B participant address 6 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X653:4/6		E	1
584618	E/A-Modul 5: LSB-B participant address 6 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X653:4/6		E	0
584650	E/A-Modul 5: LSB-B participant address 6 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X653:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
584651	E/A-Modul 5: LSB-B participant address 6 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X653:4/6		E	2
584653	E/A-Modul 5: LSB-B participant address 6 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X653:4/6		E	1
584654	E/A-Modul 5: LSB-B participant address 6 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X653:4/6		E	2
584664	E/A-Modul 5: LSB-B participant address 6 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X653:4/6		E	1
584665	E/A-Modul 5: LSB-B participant address 6 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X653:4/6		E	2
584666	E/A-Modul 5: LSB-B participant address 6 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X653:4/6		E	2
584667	E/A-Modul 5: LSB-B participant address 6 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X653:4/6		E	1
585604	E/A-Modul 5: LSB-B participant address 16 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X653:4/6		E	1
585605	E/A-Modul 5: LSB-B participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X653:4/6		E	1
585618	E/A-Modul 5: LSB-B participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X653:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
585650	E/A-Modul 5: LSB-B participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X653:4/6		E	2
585651	E/A-Modul 5: LSB-B participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X653:4/6		E	2
585653	E/A-Modul 5: LSB-B participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X653:4/6		E	1
585654	E/A-Modul 5: LSB-B participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X653:4/6		E	2
585664	E/A-Modul 5: LSB-B participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X653:4/6		E	1
585665	E/A-Modul 5: LSB-B participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X653:4/6		E	2
585666	E/A-Modul 5: LSB-B participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X653:4/6		E	2
585667	E/A-Modul 5: LSB-B participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X653:4/6		E	1
587252	E/A-Modul 5: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X653:4/6		E	0
587255	E/A-Modul 5: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X653:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
587256	E/A-Modul 5: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X653:4/6		E	2
587257	E/A-Modul 5: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X653:4/6		E	1
587258	E/A-Modul 5: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X653:4/6		E	0
587259	E/A-Modul 5: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X653:4/6		E	0
587260	E/A-Modul 5: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X653:4/6		E	2
587261	E/A-Modul 5: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X653:4/6		E	2
587262	E/A-Modul 5: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X653:4/6		E	2
587530	E/A-Modul 5: CAN-participant engine Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X655:5/6		E	1
587531	E/A-Modul 5: CAN-participant engine Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X655:5/6		E	1
587630	E/A-Modul 5: CAN-participant gear Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X655:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
587631	E/A-Modul 5: CAN-participant gear Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X655:5/6		E	1
587730	E/A-Modul 5: CAN-participant ABV (ABS/ASR) Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X655:5/6		E	1
587731	E/A-Modul 5: CAN-participant ABV (ABS/ASR) Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X655:5/6		E	1
587930	E/A-Modul 5: CAN-participant retarder Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X655:5/6		E	1
587931	E/A-Modul 5: CAN-participant retarder Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X655:5/6		E	1
588030	E/A-Modul 5: CAN-user converter clutch unit CCU Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X655:5/6		E	1
588031	E/A-Modul 5: CAN-user converter clutch unit CCU Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X655:5/6		E	1
588530	E/A-Modul 5: CAN-participant E/A-Modul 1 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X655:5/6		E	1
588531	E/A-Modul 5: CAN-participant E/A-Modul 1 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X655:5/6		E	1
588930	E/A-Modul 5: CAN-participant E/A-Modul 5 Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time check bus lines/neutral point, check defective bus participant	X655:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
588931	E/A-Modul 5: CAN-participant E/A-Modul 5 Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used check bus lines/neutral point, check defective bus participant	X655:5/6		E	1
589900	E/A-Modul 5: Control data transfer CAN internal error at Register-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X655:5/6		E	2
589901	E/A-Modul 5: Control data transfer CAN internal error at RAM-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X655:5/6		E	2
589902	E/A-Modul 5: Control data transfer CAN Configuration error Software internal error, CAN-transmission will be aborted replace E/A-Modul, check Software (test system ZE)	X655:5/6		E	2
589903	E/A-Modul 5: Control data transfer CAN Transfer interrupted after continuous error CAN-Transmission will be aborted check bus lines/neutral point, replace neutral point or E/A-Modul	X655:5/6		E	1
589910	E/A-Modul 5: Control data transfer CAN short-term error in bus connection re-attachment of Modul to bus transmission check bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	X655:5/6		E	1
589911	E/A-Modul 5: Control data transfer CAN permanent error bus connection cyclic re-attachment of Modul to bus transmission check bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	X655:5/6		E	1
589920	E/A-Modul 5: Control data transfer CAN active participant not responding parameterised substitute values for receiver signals will be used check error report for missing participant(s), test system ZE	X655:5/6		E	1
589921	E/A-Modul 5: Control data transfer CAN No active subscriber responding parameterised substitute values for receiver signals will be used in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X655:5/6		E	1
589950	E/A-Modul 5: Control data transfer CAN erroneous command test system no reaction to unknown test system control command in CAN-System Software check Software (test system)	X655:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
592001	E/A-Modul 5: control engine long-term disruption E/A-Modul <-> engine control engine control and E/A-Modul at emergency speed engine control and E/A-Modul, check CAN-bus-connections			E	1
592005	E/A-Modul 5: control engine condition erroneous: CAN-signal engine ON <-> load ctrl. D+ OFF identification engine ON/OFF possibly erronous check alternator line connection to display unit, check alternator signal			E	1
592006	E/A-Modul 5: control engine condition erroneous: CAN-signal engine OFF <-> load ctrl. D+ ON identification engine ON/OFF possibly erronous check alternator line connection to display unit, check alternator signal			E	1
592034	E/A-Modul 5: control engine Travel speed Tachograph missing Tempomat/Temposet-function blocked, engine will be limited in the torque output Tacograph connection <>E/A-Modul, check signals to inputs from E/A-Modul; replace E/A-Modul Taco			E	1
592035	E/A-Modul 5: control engine Travel speed Tachograph incorrect Tempomat/Temposet-function blocked, engine will be limited in the torque output Tacograph connection <>E/A-Modul, check signals to inputs from E/A-Modul; replace E/A-Modul Taco			E	1
592036	E/A-Modul 5: control engine Travel speed Tachograph <> Gear output RPM not plausible Tempomat/Temposet-function blocked, engine will be limited in the torque output Tacograph connection <>E/A-Modul, signals to inputs from E/A-Modul, check gear speed; replace E/A-Modul Taco			E	1
592102	E/A-Modul 5: control transmission permanent malfunction E/A-Modul 1 <-> E/A-Modul 5 travel switch signals will be switched off, emergency operation check CAN-bus system, E/A-Module 1 and 5			E	1
592121	E/A-Modul 5: control transmission shift selector-specified gear range/travel direction erroneous travel switch signals will be switched off, emergency operation check CAN-bus system, Check Software in E/A-Modules (test system)			E	1
592957	E/A-Modul 5: control brakes/pneumatic system brake pressure switch 0.5 bar signal "op. brakes active" missing operation brake signal activated if circle 1+2 > 1,5 bar, stronger application of the brake necessary check connection from brake pressure switch to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593160	E/A-Modul 5: instruments operators cab auxiliary brakes signal level 1 missing auxiliary brake(s) is/are not actuated check connection from brake lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
593161	E/A-Modul 5: instruments operators cab auxiliary brakes signal level 2 missing auxiliary brake(s) is/are not actuated check connection from brake lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593162	E/A-Modul 5: instruments operators cab auxiliary brakes signal level 3 missing auxiliary brake(s) is/are not actuated check connection from brake lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593165	E/A-Modul 5: instruments operators cab auxiliary brakes signal level 1 short to supply voltage auxiliary brake(s) is/are not actuated check connection from brake lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593166	E/A-Modul 5: instruments operators cab auxiliary brakes signal level 2 short to supply voltage auxiliary brake(s) is/are not actuated check connection from brake lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593167	E/A-Modul 5: instruments operators cab auxiliary brakes signal level 3 short to supply voltage auxiliary brake(s) is/are not actuated check connection from brake lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593175	E/A-Modul 5: instruments operators cab Tempomat lever no signal or supply voltage missing auxiliary brake(s) is/are not actuated check connection from brake lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593176	E/A-Modul 5: instruments operators cab Tempomat lever signal SET+ no signal or short to ground Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593177	E/A-Modul 5: instruments operators cab Tempomat lever signal SET- no signal or short to ground Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593178	E/A-Modul 5: instruments operators cab Tempomat lever signal OFF no signal or short to ground Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593179	E/A-Modul 5: instruments operators cab Tempomat lever signal QUIT short to supply voltage Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
593180	E/A-Modul 5: instruments operators cab Tempomat lever signal TEMPOSET short to supply voltage Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593181	E/A-Modul 5: instruments operators cab Tempomat lever signal TEMPOMAT SET+ without returning (QUIT) Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593182	E/A-Modul 5: instruments operators cab Tempomat lever signal TEMPOMAT SET- without returning (QUIT) Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593183	E/A-Modul 5: instruments operators cab Tempomat lever signal OFF without returning (QUIT) Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
593184	E/A-Modul 5: instruments operators cab Tempomat lever signals SET+, SET-, OFF erroneous combination Tempomat/Temposet-functions blocked check connection from Tempomat lever to E/A-Modul, check signals to entries from E/A-Modul, replace E/A-Modul			E	1
594081	E/A-Modul 5: Control active rear axle steering Return report steering status right faulty/missing Steering becomes faulty following time-out, speed becomes limited Steering, check LSB			E	1
594082	E/A-Modul 5: Control active rear axle steering Return report steering status left faulty/missing Steering becomes faulty following time-out, speed becomes limited Steering, check LSB			E	1
594083	E/A-Modul 5: Control active rear axle steering Return report steering status right/left implausible Steering becomes faulty following time-out, speed becomes limited Steering, check LSB			E	1
594190	E/A-Modul 5: LSB-bus participant ZE missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
594191	E/A-Modul 5: LSB-bus participant E/A-Modul 1 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
594192	E/A-Modul 5: LSB-bus participant E/A-Modul 2 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
594193	E/A-Modul 5: LSB-bus participant E/A-Modul 3 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
594194	E/A-Modul 5: LSB-bus participant E/A-Modul 4 missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
595074	E/A-Modul 5: operation engine accelerator operators cab blocked in upper-carriage operation mode function is not carried out			B	
595075	E/A-Modul 5: operation engine accelerator operators cab blocked in support operation mode function is not carried out			B	
595076	E/A-Modul 5: operation engine accelerator op. cab blocked when auxiliary brake active or selected function is not carried out			B	
595077	E/A-Modul 5: operation engine accelerator upper-carr. activated on malf. of GAS <-> E/A-Modul function is not carried out			B	
596885	E/A-Modul 5: operation instruments operators cab Tempomat lever blocked in upper-carriage operation mode function is not carried out			B	
596886	E/A-Modul 5: operation instruments operators cab Tempomat lever blocked in support operation mode function is not carried out			B	
661001	E/A-Modul 6: system error OS-C167 initialising error processor-register erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
661002	E/A-Modul 6: system error OS-C167 initialising error test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661006	E/A-Modul 6: system error OS-C167 initialising error RAM erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661013	E/A-Modul 6: system error OS-C167 test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661016	E/A-Modul 6: system error OS-C167 system-, driver-watchdog expired error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
661068	E/A-Modul 6: system error OS-C167 impermissible interrupt error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
661071	E/A-Modul 6: system error OS-C167 Invalid configuration or Firmware error indication on display re-load Software from ZE			E	2
661080	E/A-Modul 6: system error OS-C167 fatal internal software error error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
661082	E/A-Modul 6: system error OS-C167 hardware-watchdog erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661088	E/A-Modul 6: system error OS-C167 Configuration does not match software condition error indication on display Comparison SW-condition EAM-SW and configuration LICCON different, check LICCON-configuration, download EAM			E	2
661089	E/A-Modul 6: system error OS-C167 Incorrect version of firmware installed Error output, possible error functions of module Replace module, reload firmware			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
661090	E/A-Modul 6: system error OS-C167 Incorrect hardware version recognised Error output, possible error functions of module Replace module			E	1
672052	E/A-Modul 6: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:17		E	1
672053	E/A-Modul 6: input/output DEA0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:17		E	1
672054	E/A-Modul 6: input/output DEA0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:17		E	1
672055	E/A-Modul 6: input/output DEA0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:17		E	1
672152	E/A-Modul 6: input/output DEA1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:15		E	1
672153	E/A-Modul 6: input/output DEA1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:15		E	1
672154	E/A-Modul 6: input/output DEA1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:15		E	1
672155	E/A-Modul 6: input/output DEA1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:15		E	1
672252	E/A-Modul 6: input/output DEA2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:13		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672253	E/A-Modul 6: input/output DEA2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:13		E	1
672254	E/A-Modul 6: input/output DEA2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:13		E	1
672255	E/A-Modul 6: input/output DEA2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:13		E	1
672352	E/A-Modul 6: input/output DEA3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:11		E	1
672353	E/A-Modul 6: input/output DEA3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:11		E	1
672354	E/A-Modul 6: input/output DEA3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:11		E	1
672355	E/A-Modul 6: input/output DEA3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:11		E	1
672452	E/A-Modul 6: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:9		E	1
672453	E/A-Modul 6: input/output DEA4 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:9		E	1
672454	E/A-Modul 6: input/output DEA4 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672455	E/A-Modul 6: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:9		E	1
672552	E/A-Modul 6: input/output DEA5 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:7		E	1
672553	E/A-Modul 6: input/output DEA5 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:7		E	1
672554	E/A-Modul 6: input/output DEA5 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:7		E	1
672555	E/A-Modul 6: input/output DEA5 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:7		E	1
672652	E/A-Modul 6: input/output DEA6 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:5		E	1
672653	E/A-Modul 6: input/output DEA6 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:5		E	1
672654	E/A-Modul 6: input/output DEA6 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:5		E	1
672655	E/A-Modul 6: input/output DEA6 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:5		E	1
672752	E/A-Modul 6: input/output DEA7 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:3		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672753	E/A-Modul 6: input/output DEA7 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:3		E	1
672754	E/A-Modul 6: input/output DEA7 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:3		E	1
672755	E/A-Modul 6: input/output DEA7 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:3		E	1
673482	E/A-Modul 6: voltage input E4 short circuit to ground, open line, constant current 10 mA incorrect Display LICCON: ?? °C check input signal on the E/A-Modul or sensor	X662:9		E	1
673483	E/A-Modul 6: voltage input E4 short circuit to supply voltage, open line, lack of voltage Display LICCON: ?? °C check input signal on the E/A-Modul or sensor	X662:9		E	1
673782	E/A-Modul 6: voltage input E7 short circuit to ground, open line, constant current 10 mA incorrect display Liccon:??? % check input signal on the E/A-Modul or sensor	X662:3		E	1
673783	E/A-Modul 6: voltage input E7 short circuit to supply voltage, open line, lack of voltage display Liccon:??? % check input signal on the E/A-Modul or sensor	X662:3		E	1
679052	E/A-Modul 6: output A0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:18		E	1
679053	E/A-Modul 6: output A0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:18		E	1
679054	E/A-Modul 6: output A0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
679055	E/A-Modul 6: output A0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:18		E	1
679152	E/A-Modul 6: output A1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:16		E	1
679153	E/A-Modul 6: output A1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:16		E	1
679154	E/A-Modul 6: output A1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:16		E	1
679155	E/A-Modul 6: output A1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:16		E	1
679250	E/A-Modul 6: bridge output A2 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X663:14		E	1
679251	E/A-Modul 6: bridge output A2 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X663:14		E	1
679252	E/A-Modul 6: bridge output A2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:14		E	1
679253	E/A-Modul 6: bridge output A2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:14		E	1
679254	E/A-Modul 6: bridge output A2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:14		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
679255	E/A-Modul 6: bridge output A2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:14		E	1
679350	E/A-Modul 6: bridge output A3 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X663:12		E	1
679351	E/A-Modul 6: bridge output A3 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X663:12		E	1
679352	E/A-Modul 6: bridge output A3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:12		E	1
679353	E/A-Modul 6: bridge output A3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:12		E	1
679354	E/A-Modul 6: bridge output A3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:12		E	1
679355	E/A-Modul 6: bridge output A3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:12		E	1
684104	E/A-Modul 6: LSB-B participant address 1 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X663:4/6		E	1
684105	E/A-Modul 6: LSB-B participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X663:4/6		E	1
684118	E/A-Modul 6: LSB-B participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X663:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
684150	E/A-Modul 6: LSB-B participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X663:4/6		E	2
684151	E/A-Modul 6: LSB-B participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X663:4/6		E	2
684153	E/A-Modul 6: LSB-B participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X663:4/6		E	1
684154	E/A-Modul 6: LSB-B participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X663:4/6		E	2
684164	E/A-Modul 6: LSB-B participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X663:4/6		E	1
684165	E/A-Modul 6: LSB-B participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X663:4/6		E	2
684166	E/A-Modul 6: LSB-B participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X663:4/6		E	2
684167	E/A-Modul 6: LSB-B participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X663:4/6		E	1
684404	E/A-Modul 6: LSB-B participant address 4 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X663:4/6		E	1
684405	E/A-Modul 6: LSB-B participant address 4 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X663:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
684418	E/A-Modul 6: LSB-B participant address 4 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X663:4/6		E	0
684450	E/A-Modul 6: LSB-B participant address 4 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X663:4/6		E	2
684451	E/A-Modul 6: LSB-B participant address 4 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X663:4/6		E	2
684453	E/A-Modul 6: LSB-B participant address 4 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X663:4/6		E	1
684454	E/A-Modul 6: LSB-B participant address 4 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X663:4/6		E	2
684464	E/A-Modul 6: LSB-B participant address 4 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X663:4/6		E	1
684465	E/A-Modul 6: LSB-B participant address 4 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X663:4/6		E	2
684466	E/A-Modul 6: LSB-B participant address 4 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X663:4/6		E	2
684467	E/A-Modul 6: LSB-B participant address 4 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X663:4/6		E	1
684504	E/A-Modul 6: LSB-B participant address 5 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X663:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
684505	E/A-Modul 6: LSB-B participant address 5 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X663:4/6		E	1
684518	E/A-Modul 6: LSB-B participant address 5 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X663:4/6		E	0
684550	E/A-Modul 6: LSB-B participant address 5 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X663:4/6		E	2
684551	E/A-Modul 6: LSB-B participant address 5 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X663:4/6		E	2
684553	E/A-Modul 6: LSB-B participant address 5 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X663:4/6		E	1
684554	E/A-Modul 6: LSB-B participant address 5 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X663:4/6		E	2
684564	E/A-Modul 6: LSB-B participant address 5 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X663:4/6		E	1
684565	E/A-Modul 6: LSB-B participant address 5 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X663:4/6		E	2
684566	E/A-Modul 6: LSB-B participant address 5 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X663:4/6		E	2
684567	E/A-Modul 6: LSB-B participant address 5 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X663:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
684704	E/A-Modul 6: LSB-B participant address 7 level exceeded report of error, otherwise no reaction check sensor installation, check pre-attenuation of sensor, clean dirt from sensor, replace sensor when defect	X663:4/6		E	1
684705	E/A-Modul 6: LSB-B participant address 7 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X663:4/6		E	1
684718	E/A-Modul 6: LSB-B participant address 7 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X663:4/6		E	0
684750	E/A-Modul 6: LSB-B participant address 7 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X663:4/6		E	2
684751	E/A-Modul 6: LSB-B participant address 7 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X663:4/6		E	2
684753	E/A-Modul 6: LSB-B participant address 7 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X663:4/6		E	1
684754	E/A-Modul 6: LSB-B participant address 7 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X663:4/6		E	2
684764	E/A-Modul 6: LSB-B participant address 7 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, clean if necessary, with repeated occurrence replace sensor	X663:4/6		E	1
684765	E/A-Modul 6: LSB-B participant address 7 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X663:4/6		E	2
684766	E/A-Modul 6: LSB-B participant address 7 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X663:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
684767	E/A-Modul 6: LSB-B participant address 7 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X663:4/6		E	1
687252	E/A-Modul 6: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X663:4/6		E	0
687255	E/A-Modul 6: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X663:4/6		E	2
687256	E/A-Modul 6: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X663:4/6		E	2
687257	E/A-Modul 6: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X663:4/6		E	1
687258	E/A-Modul 6: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X663:4/6		E	0
687259	E/A-Modul 6: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X663:4/6		E	0
687260	E/A-Modul 6: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X663:4/6		E	2
687261	E/A-Modul 6: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X663:4/6		E	2
687262	E/A-Modul 6: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X663:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
687530	E/A-Modul 6: CAN-participant engine Data transfer subscriber transfer cycle exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X665:5/6		E	0
687531	E/A-Modul 6: CAN-participant engine Data transfer faulty/missing, max. cycle time exceeded parameterised substitute values for receiver signals will be used Check CAN network, check faulty Bus user.	X665:5/6		E	1
689030	E/A-Modul 6: CAN-participant E/A-Modul 6 Data transfer subscriber transfer cycle exceeded CAN-Transmission will be aborted Check CAN network, replace E/A-Modul	X665:5/6		E	0
689031	E/A-Modul 6: CAN-participant E/A-Modul 6 Data transfer faulty/missing, max. cycle time exceeded CAN-Information from participant has exceeded the defined cycle time Check CAN network, check faulty Bus user.	X665:5/6		E	1
689900	E/A-Modul 6: Control data transfer CAN internal error at Register-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X665:5/6		E	2
689901	E/A-Modul 6: Control data transfer CAN internal error at RAM-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X665:5/6		E	2
689902	E/A-Modul 6: Control data transfer CAN Configuration error Software internal error, CAN-transmission will be aborted replace E/A-Modul, check Software (test system ZE)	X665:5/6		E	2
689903	E/A-Modul 6: Control data transfer CAN Transfer interrupted after continuous error CAN-Transmission will be aborted Check CAN network, replace E/A-Modul	X665:5/6		E	1
689910	E/A-Modul 6: Control data transfer CAN short-term error in bus connection re-attachment of Modul to bus transmission Check CAN network, connect individual Bus users and check if error has been remedied	X665:5/6		E	0
689911	E/A-Modul 6: Control data transfer CAN permanent error bus connection cyclic re-attachment of Modul to bus transmission Check CAN network, connect individual Bus users and check if error has been remedied	X665:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
689920	E/A-Modul 6: Control data transfer CAN active participant not responding parameterised substitute values for receiver signals will be used check error report for missing participant(s), test system ZE	X665:5/6		E	0
689921	E/A-Modul 6: Control data transfer CAN No active subscriber responding parameterised substitute values for receiver signals will be used in case bus system is error free, check connection of E/A-Modul to CAN-network, replace E/A-Modul	X665:5/6		E	1
689950	E/A-Modul 6: Control data transfer CAN erroneous command test system no reaction to unknown test system control command in CAN-System Software check Software (test system)	X665:5/6		E	1
692001	E/A-Modul 6: control engine long-term disruption E/A-Modul <-> engine control Continuous CAN-interruption: Engine control in emergency speed After restoring the CAN-communication, the engine electronics remain in emergency speed --> ignition OFF/ON			E	1
692005	E/A-Modul 6: control engine condition erroneous: CAN-signal engine ON <-> load ctrl. D+ OFF check alternator line connection to display unit, check alternator signal			E	1
692006	E/A-Modul 6: control engine condition erroneous: CAN-signal engine OFF <-> load ctrl. D+ ON check alternator line connection to display unit, check alternator signal			E	1
694190	E/A-Modul 6: LSB-bus participant ZE missing communication with participant not possible, after re-starting of bus communication error will be reset check LSB-network, check participant			E	1
696953	E/A-Modul 6: operation instruments crane operators cab Engine-Stop UC actuated/sticking/short circuit to supply upon start			B	
701000	Power supply unit: Memory card faulty, transmission error, addressing error Shut-down Replace slide-in card			E	2
702100	Power supply unit: RAM-memory faulty, transmission error, addressing error Shut-down Replace slide-in card, check connections ZE/bus motherboard/power supply unit			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
702101	Power supply unit: RAM-memory faulty, transmission error, addressing error Shut-down Replace slide-in card, check connections ZE/bus motherboard/power supply unit			E	2
702200	Power supply unit: FLASH- memory faulty, transmission error, addressing error Shut-down Replace slide-in card, check connections ZE/bus motherboard/power supply unit			E	2
702300	Power supply unit: EEPROM- memory faulty, transmission error, addressing error Shut-down Replace slide-in card, check connections ZE/bus motherboard/power supply unit			E	2
702400	Power supply unit: Globalbus-/QW-transmission faulty, transmission error, addressing error Shut-down Replace slide-in card, check connections ZE/bus motherboard/power supply unit			E	2
702401	Power supply unit: Globalbus-/QW-transmission faulty, transmission error, addressing error Shut-down Check ZE/bus motherboard/power supply unit connections			E	2
702500	Power supply unit: FLASH- memory, - module faulty, transmission error, addressing error Shut-down Replace slide-in card, check connections ZE/bus motherboard/power supply unit			E	2
703001	Power supply unit: FPGA faulty, transmission error, addressing error Shut-down Replace slide-in card, check connections ZE/bus motherboard/power supply unit			E	2
709002	Power supply unit: internal error Checksum (CRC) incorrect Shut-down Replace power supply unit			E	2
709003	Power supply unit: internal error ADC-conversion faulty, processor error, time exceeded Shut-down Replace power supply unit			E	2
709004	Power supply unit: internal error faulty/incorrect slide-in card Shut-down Replace slide-in card			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
709010	Power supply unit: internal error Signal to Done-Pin incorrect (0) Shut-down Check ZE/bus motherboard/power supply unit			E	2
709011	Power supply unit: internal error Signal to Done-Pin incorrect (1) Shut-down Check ZE/bus motherboard/power supply unit			E	2
709013	Power supply unit: internal error Register fault FPGA Shut-down Check ZE/bus motherboard/power supply unit			E	2
709020	Power supply unit: internal error SCI transmission error, time exceeded (overrun) Shut-down Replace power supply unit			E	2
709030	Power supply unit: internal error LCA-design time exceeded (ZE 0 faulty/missing) Shut-down Check ZE/bus motherboard/power supply unit			E	2
709040	Power supply unit: internal error PIC time exceeded Shut-down Replace power supply unit			E	2
709050	Power supply unit: internal error Bus controller addressing/time exceeded/data transmission (P1) Shut-down Replace power supply unit			E	2
709060	Power supply unit: internal error Signal error "Control on" different 0, relay contact sticking Shut-down Check plug/connections/relay			E	2
709080	Power supply unit: internal error Initialising error excess/lack of voltage Shut-down Check voltage supply, replace power supply unit			E	2
709081	Power supply unit: internal error Lack of voltage (P0 = channel, P1 = value) Shut-down Check voltage supply, replace power supply unit			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
709082	Power supply unit: internal error Excess voltage (P0 = channel, P1 = value) Shut-down Check voltage supply, replace power supply unit			E	2
709099	Power supply unit: internal error Power supply unit off, power supply unit shut-down (note parameter) Shut-down Replace power supply unit			E	2
810160	ABV: CAN-bus system disrupted data communication ABV function not restricted check CAN-network, check/replace ABV-control device	X94:1/2/3		E	0
810162	ABV: CAN-bus system Speed signal Tachograph to CAN faulty/missing/implausible ABV function not restricted check CAN-network, ABV-control device, speed signal C3, E/A-Modul 5	X94:1/2/3		E	1
810163	ABV: CAN-bus system Interruption/continuous control line(s) ABV function not restricted check CAN-network, check/replace ABV-control device	X94:1/2/3		E	0
810167	ABV: CAN-bus system CAN-communication gears faulty/not present ABV function not restricted check CAN-network, check/replace ABV-control device	X94:1/2/3		E	0
810168	ABV: CAN-bus system CAN-communication engine erroneous/missing (ID 592) ABV function not restricted check CAN-network, check/replace ABV-control device	X94:1/2/3		E	0
810169	ABV: CAN-bus system CAN-communication E/A-Module erroneous/missing (INS) ABV function not restricted check CAN-network, check/replace ABV-control device	X94:1/2/3		E	0
811001	ABV: control device error or power supply Kl.15/30 excess voltage ABS: inactive check net supply control device	X94:7/9		E	1
811002	ABV: control device error or power supply Kl.15/30 voltage below required value ABS: inactive check net supply control device	X94:7/9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
811010	ABV: control device error or power supply Kl.15/30 defect ABS: inactive, ASR: inactive replace control device	X94:7/9		E	1
811012	ABV: control device error or power supply Kl.15/30 incorrect parameters ABS: inactive, ASR: inactive replace control device	X94:7/9		E	1
811029	ABV: control device error or power supply Kl.15/30 monitor switch time for solenoid valve actuated ABS: inactive, ASR: inactive check solenoid valve, control device	X94:7/9		E	0
811094	ABV: control device error or power supply Kl.15/30 Wheel speeds/tyre dimensions implausible, incorrect parameterisation ABS: wheel not regulated, ASR: inactive check tires, magnet wheels, sensors	X94:7/9		E	1
811102	ABV: control device error or power supply Kl.15/30 voltage below required value ABS: inactive check net supply control device	X94:7/9		E	1
811103	ABV: control device error or power supply Kl.15/30 interruption ABS: inactive check net supply control device	X94:7/9		E	1
811202	ABV: control device error or power supply Kl.15/30 voltage below required value ABS: inactive check net supply control device	X94:7/9		E	1
811203	ABV: control device error or power supply Kl.15/30 interruption ABS: inactive check net supply control device	X94:7/9		E	1
811602	ABV: control device error, power supply Kl.31 voltage below required value ABS: inactive check net supply control device	X94:10/12		E	1
811609	ABV: control device error, power supply Kl.31 interruption ABS: inactive check net supply control device	X94:10/12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
811702	ABV: control device error, power supply Kl.31 voltage below required value ABS: inactive check net supply control device	X94:10/12		E	1
811709	ABV: control device error, power supply Kl.31 interruption ABS: inactive check net supply control device	X94:10/12		E	1
812004	ABV: output longitudinal lock short circuit to ground check output, output is not connected!			E	1
812005	ABV: output longitudinal lock short circuit to supply voltage check output, output is not connected!			E	1
812103	ABV: output trailer shut-down interruption check output, output is not connected!			E	1
812104	ABV: output trailer shut-down short circuit to ground check output, output is not connected!			E	1
812105	ABV: output trailer shut-down short circuit to supply voltage check output, output is not connected!			E	1
812112	ABV: output trailer shut-down incorrect parameters check output, output is not connected!, replace control device			E	0
813020	ABV: ABS-solenoid valve front axle right interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96:7/8/9		E	1
813021	ABV: ABS-solenoid valve front axle right short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96:7/8/9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
813022	ABV: ABS-solenoid valve front axle right short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96:7/8/9		E	1
813023	ABV: ABS-solenoid valve front axle right interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96:7/8/9		E	1
813026	ABV: ABS-solenoid valve front axle right interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96:7/8/9		E	1
813027	ABV: ABS-solenoid valve front axle right short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96:7/8/9		E	1
813028	ABV: ABS-solenoid valve front axle right short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96:7/8/9		E	1
813030	ABV: ABS-solenoid valve front axle right external control ABS: front/rear diagonal and differential brakes inactive check cabling, valve (ohm resistance), control device	X96:7/8/9		E	2
813120	ABV: ABS-solenoid valve front axle left interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X95:1/2/3		E	1
813121	ABV: ABS-solenoid valve front axle left short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X95:1/2/3		E	1
813122	ABV: ABS-solenoid valve front axle left short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X95:1/2/3		E	1
813123	ABV: ABS-solenoid valve front axle left interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X95:1/2/3		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
813126	ABV: ABS-solenoid valve front axle left interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X95:1/2/3		E	1
813127	ABV: ABS-solenoid valve front axle left short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X95:1/2/3		E	1
813128	ABV: ABS-solenoid valve front axle left short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X95:1/2/3		E	1
813130	ABV: ABS-solenoid valve front axle left external control ABS: front/rear diagonal and differential brakes inactive check cabling, valve (ohm resistance), control device	X95:1/2/3		E	2
813220	ABV: ABS-solenoid valve rear axle right interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:10/11/12		E	1
813221	ABV: ABS-solenoid valve rear axle right short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:10/11/12		E	1
813222	ABV: ABS-solenoid valve rear axle right short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:10/11/12		E	1
813223	ABV: ABS-solenoid valve rear axle right interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:10/11/12		E	1
813226	ABV: ABS-solenoid valve rear axle right interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:10/11/12		E	1
813227	ABV: ABS-solenoid valve rear axle right short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:10/11/12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
813228	ABV: ABS-solenoid valve rear axle right short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:10/11/12		E	1
813230	ABV: ABS-solenoid valve rear axle right external control ABS: front/rear diagonal and differential brakes inactive check cabling, valve (ohm resistance), control device	X97:10/11/12		E	2
813320	ABV: ABS-solenoid valve rear axle left interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:1/2/3		E	1
813321	ABV: ABS-solenoid valve rear axle left short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:1/2/3		E	1
813322	ABV: ABS-solenoid valve rear axle left short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:1/2/3		E	1
813323	ABV: ABS-solenoid valve rear axle left interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:1/2/3		E	1
813326	ABV: ABS-solenoid valve rear axle left interruption ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:1/2/3		E	1
813327	ABV: ABS-solenoid valve rear axle left short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:1/2/3		E	1
813328	ABV: ABS-solenoid valve rear axle left short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X97:1/2/3		E	1
813330	ABV: ABS-solenoid valve rear axle left external control ABS: front/rear diagonal and differential brakes inactive check cabling, valve (ohm resistance), control device	X97:1/2/3		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
813604	ABV: valve front axle right and rear axle left short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96/X97		E	1
813605	ABV: valve front axle right and rear axle left short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96/X97		E	1
813704	ABV: valve front axle left and rear axle right short circuit to ground ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96/X98		E	1
813705	ABV: valve front axle left and rear axle right short circuit to supply voltage ABS: wheel not regulated check cabling, valve (ohm resistance), control device	X96/X98		E	1
813804	ABV: ASR, DIF-valve short circuit to ground ASR: inactive check cabling, valve (ohm resistance), control device	X97:4/7		E	1
813805	ABV: ASR, DIF-valve short circuit to supply voltage ASR: inactive check cabling, valve (ohm resistance), control device	X97:4/7		E	1
813809	ABV: ASR, DIF-valve interruption ASR: inactive check cabling, valve (ohm resistance), control device	X97:4/7		E	1
813812	ABV: ASR, DIF-valve incorrect parameters ASR: inactive replace control device	X97:4/7		E	0
814040	ABV: speed sensor front axle right interruption ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X96:4/5		E	1
814041	ABV: speed sensor front axle right short circuit to ground ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X96:4/5		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
814042	ABV: speed sensor front axle right short circuit to supply voltage ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X96:4/5		E	1
814044	ABV: speed sensor front axle right winding short ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X96:4/5		E	1
814045	ABV: speed sensor front axle right magnet wheel defect ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X96:4/5		E	1
814046	ABV: speed sensor front axle right sensor vibration ABS: partly inactive, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X96:4/5		E	0
814047	ABV: speed sensor front axle right shimmed magnet wheel check magnet wheel for shimmy	X96:4/5		E	0
814048	ABV: speed sensor front axle right Air gap, clearance sensor<>magnet wheel too large ABS: wheel not regulated, ASR: inactive check play in wheel bearing, sensor voltage, ohm resistance of cabling; push sensor on magnet wheel	X96:4/5		E	1
814140	ABV: speed sensor front axle left interruption ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X95:4/5		E	1
814141	ABV: speed sensor front axle left short circuit to ground ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X95:4/5		E	1
814142	ABV: speed sensor front axle left short circuit to supply voltage ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X95:4/5		E	1
814144	ABV: speed sensor front axle left winding short ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X95:4/5		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
814145	ABV: speed sensor front axle left magnet wheel defect ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X95:4/5		E	1
814146	ABV: speed sensor front axle left sensor vibration ABS: partly inactive, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X95:4/5		E	0
814147	ABV: speed sensor front axle left shimmed magnet wheel check magnet wheel for shimmy	X95:4/5		E	0
814148	ABV: speed sensor front axle left Air gap, clearance sensor<>magnet wheel too large ABS: wheel not regulated, ASR: inactive check play in wheel bearing, sensor voltage, ohm resistance of cabling; push sensor on magnet wheel	X95:4/5		E	1
814240	ABV: speed sensor rear axle right interruption ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:8/9		E	1
814241	ABV: speed sensor rear axle right short circuit to ground ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:8/9		E	1
814242	ABV: speed sensor rear axle right short circuit to supply voltage ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:8/9		E	1
814244	ABV: speed sensor rear axle right winding short ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:8/9		E	1
814245	ABV: speed sensor rear axle right magnet wheel defect ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X97:8/9		E	1
814246	ABV: speed sensor rear axle right sensor vibration ABS: partly inactive, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X97:8/9		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
814247	ABV: speed sensor rear axle right shimmed magnet wheel check magnet wheel for shimmy	X97:8/9		E	0
814248	ABV: speed sensor rear axle right Air gap, clearance sensor<>magnet wheel too large ABS: wheel not regulated, ASR: inactive check play in wheel bearing, sensor voltage, ohm resistance of cabling; push sensor on magnet wheel	X97:8/9		E	1
814340	ABV: speed sensor rear axle left interruption ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:5/6		E	1
814341	ABV: speed sensor rear axle left short circuit to ground ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:5/6		E	1
814342	ABV: speed sensor rear axle left short circuit to supply voltage ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:5/6		E	1
814344	ABV: speed sensor rear axle left winding short ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling	X97:5/6		E	1
814345	ABV: speed sensor rear axle left magnet wheel defect ABS: wheel not regulated, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X97:5/6		E	1
814346	ABV: speed sensor rear axle left sensor vibration ABS: partly inactive, ASR: inactive check sensor voltage, Ohm resistance of cabling, magnet wheel	X97:5/6		E	0
814347	ABV: speed sensor rear axle left shimmed magnet wheel check magnet wheel for shimmy	X97:5/6		E	0
814348	ABV: speed sensor rear axle left Air gap, clearance sensor<>magnet wheel too large ABS: wheel not regulated, ASR: inactive check play in wheel bearing, sensor voltage, ohm resistance of cabling; push sensor on magnet wheel	X97:5/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
821111	retarder: Output AD1 - re-circulation valve short circuit to ground ECU no longer selects recirculation valve, response time becomes longer RESET - otherwise check cables between ECU and recirculation valve, check recirculation valve (inner resistance)	X46:1		E	1
821112	retarder: Output AD1 - re-circulation valve short circuit to supply voltage ECU no longer selects recirculation valve, response time becomes longer INT OFF/ON - check cables between ECU and recirculation valve, ZF 02	X46:1		E	1
821113	retarder: Output AD1 - re-circulation valve interruption ECU no longer selects recirculation valve, response time becomes longer INT OFF/ON - check cables between ECU and recirculation valve, check recirculation valve (inner resistance)	X46:1		E	1
821911	retarder: Output AIP- proportional-flow valve short circuit to ground ECU switches off the intarder; Intarder no longer available RESET - check cables between ECU and proportional valve, check proportional valve (inner resistance), ZF 25	X46:4		E	1
821912	retarder: Output AIP- proportional-flow valve short circuit to supply voltage ECU switches off the intarder; Intarder no longer available RESET - check cables between ECU and proportional valve, ZF 26	X46:4		E	1
821913	retarder: Output AIP- proportional-flow valve interruption ECU switches off the intarder; Intarder no longer available RESET - check cables between ECU and proportional valve, check proportional valve (inner resistance), ZF 27	X46:4		E	1
821914	retarder: Output AIP- proportional-flow valve Resistance incorrect ECU switches off the intarder; Intarder no longer available RESET - check cables between ECU and proportional valve, check proportional valve (inner resistance), ZF 28	X46:4		E	1
822111	retarder: Output ADM1 - Dimensions proportional-flow valve short circuit to ground ECU switches off the intarder; Intarder no longer available RESET - check cables between ECU and proportional valve, ZF 29	X46:3		E	1
822112	retarder: Output ADM1 - Dimensions proportional-flow valve short circuit to supply voltage ECU switches off the intarder; Intarder no longer available RESET - check cables between ECU and proportional valve, check proportional valve (inner resistance), ZF 30	X46:3		E	1
822316	retarder: Amperemeter channel proportional-flow valve Malfunction limit fallen short of ECU switches off the intarder; Intarder no longer available RESET - replace ECU, ZF 39	X46:3/4		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
822317	retarder: Amperemeter channel proportional-flow valve Malfunction limit exceeded ECU switches off the intarder; Intarder no longer available RESET - replace ECU, ZF 40	X46:3/4		E	1
823211	retarder: Input ER1 - temperature sensor short circuit to ground ECU limits the braking action to 100 kW INT OFF/ON - check cables between ECU and temperature sensor, temperature sensor (resistance), ZF 38	X46:9		E	1
823213	retarder: Input ER1 - temperature sensor interruption ECU limits the braking action to 100 kW INT OFF/ON - check cables between ECU and temperature sensor, check temperature sensor (resistance), ZF 37	X46:9		E	1
823318	retarder: Inputs ED1..ED5 - brake stage switch Check sum / signal(s) implausible ECU reduces the set braking level under certain circumstances INT OFF/ON - check cables between ECU and brake range switch, check brake range switch, ZF 44	X46:15/16/17/42/43		E	1
824319	retarder: CAN transmission malfunction Data transfer faulty/missing, signal error no reaction RESET - check CAN-Bus line, check terminal resistance, ZF 53	X46:22/49/21/48		E	1
824415	retarder: CAN-Bus Data transfer faulty/missing, max. cycle time exceeded ECU switches off the intarder; Intarder no longer available RESET - check CAN-Bus line, ZF 54	X46:22/49/21/48		E	1
824615	retarder: CAN-Bus data transfer Data transfer faulty/missing, max. cycle time exceeded no reaction RESET - check CAN-Bus line, check terminal resistance, ZF 56	X46:22/49/21/48		E	1
825819	retarder: CAN-data transfer ABS/ASR (ID 512) Data transfer faulty/missing, signal error ECU switches off the intarder; Intarder no longer available INT OFF/ON - check ABS-ECU, check CAN-Bus line, check terminal resistance, ZF 74	X46:22/49		E	1
825919	retarder: CAN-data transfer engine (ID 592) Data transfer faulty/missing, signal error ECU limits the braking action to 350 kW INT OFF/ON - check FMR-ECU, check CAN-Bus line, check terminal resistance, ZF 75	X46:22/49		E	1
826119	retarder: CAN-data transfer engine (ID 593) Data transfer faulty/missing, signal error ECU limits the braking action to 350 kW INT OFF/ON - check FMR-ECU, check CAN-Bus line, check terminal resistance, ZF 75	X46:22/49		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
826219	retarder: CAN-data transfer gears (ID 556) Data transfer faulty/missing, signal error ECU limits the power to 250 mA, the automatic brake (Bremsomat) is not available INT OFF/ON - check TCU-ECU, check CAN-Bus line, check terminal resistance, ZF 80	X46:22/49		E	1
827113	retarder: Supply VPE1/VPE2 Kl.30 interruption no reaction RESET - check supply of ECU (cables), ZF 41	X46:54/55		E	1
827216	retarder: Supply VPI1/VPI2 Kl.15 Malfunction limit fallen short of ECU switches off the intarder; Intarder no longer available RESET - check on-board supply voltage (battery, alternator), ZF 43	X46:53/31		E	1
827217	retarder: Supply VPI1/VPI2 Kl.15 Malfunction limit exceeded ECU switches off the intarder; Intarder no longer available RESET - check on-board supply voltage (battery, alternator), ZF 42	X46:53/31		E	1
828218	retarder: Operating hours counter Check sum / signal(s) implausible ECU resets the operating hour counter back to 0 Replace ECU, ZF 46	X46		E	0
828318	retarder: Error memory Check sum / signal(s) implausible ECU rejects the error memory content Replace ECU, ZF 47	X46		E	0
828415	retarder: System error Data transfer faulty/missing, max. cycle time exceeded ECU switches off the intarder; Intarder no longer available Replace ECU, ZF 51	X46		E	1
843300	heating, air cond.: Aux. heater chassis No function, control unit error / heater lock			E	1
843301	heating, air cond.: Aux. heater chassis no start			E	1
843302	heating, air cond.: Aux. heater chassis repeated glow interruption			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
843303	heating, air cond.: Aux. heater chassis lack of voltage/excess voltage			E	1
843304	heating, air cond.: Aux. heater chassis premature glow identification			E	1
843305	heating, air cond.: Aux. heater chassis Flame sensor/flame monitor interruption / short circuit			E	1
843306	heating, air cond.: Aux. heater chassis Temperature sensor interruption / short circuit (coolant- for Pro)			E	1
843307	heating, air cond.: Aux. heater chassis Metering pump/ solenoid valve interruption / short circuit/ defect			E	1
843308	heating, air cond.: Aux. heater chassis blower motor interruption/short circuit/erroneous speed			E	1
843309	heating, air cond.: Aux. heater chassis Glow plug interruption / short circuit/ defective (circulation pump Th			E	1
843310	heating, air cond.: Aux. heater chassis overheating			E	1
843311	heating, air cond.: Aux. heater chassis Circulation pump interruption / short circuit (ignition spark sensor T			E	1
843312	heating, air cond.: Aux. heater chassis Battery disconnect switch short circuit,(heater lock ThermoS)			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
843600	heating, air cond.: Aux. heater Superstr. No function, control unit error / heater lock no reaction check fuses, check battery terminals, replace control device			E	1
843601	heating, air cond.: Aux. heater Superstr. no start Error message, function of auxiliary heater is problematic check fuel level and fuel filter, bleed fuel system, clean burner or replace			E	1
843602	heating, air cond.: Aux. heater Superstr. repeated glow interruption Error message, function of auxiliary heater is problematic check fuel level and fuel filter, bleed fuel system, clean burner or replace			E	1
843603	heating, air cond.: Aux. heater Superstr. lack of voltage/excess voltage Error message, function of auxiliary heater is problematic check battery, check electrical connections			E	1
843604	heating, air cond.: Aux. heater Superstr. premature glow identification Error message, function of auxiliary heater is problematic replace flame detector			E	1
843605	heating, air cond.: Aux. heater Superstr. Flame sensor/flame monitor interruption / short circuit Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace flame detector			E	1
843606	heating, air cond.: Aux. heater Superstr. Temperature sensor interruption / short circuit (coolant- for Pro) Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace temperature sensor			E	1
843607	heating, air cond.: Aux. heater Superstr. Metering pump/ solenoid valve interruption / short circuit/ defect Error message, function of auxiliary heater is problematic check coolant level, bleed coolant circuit, reset temperature limitation, examine cabling			E	1
843608	heating, air cond.: Aux. heater Superstr. blower motor interruption/short circuit/erroneous speed Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace combustion air ventilator			E	1
843609	heating, air cond.: Aux. heater Superstr. Glow plug interruption / short circuit/ defective (circulation pump Th Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace heater plug			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
843610	heating, air cond.: Aux. heater Superstr. overheating Error message, function of auxiliary heater is problematic re-fill coolant, press temperature limitation button before switching on, replace temperature limitation			E	1
843611	heating, air cond.: Aux. heater Superstr. Circulation pump interruption / short circuit (ignition spark sensor T Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace water pump			E	1
843612	heating, air cond.: Aux. heater Superstr. Battery disconnect switch short circuit,(heater lock ThermoS) Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace set value transmitter			E	1
880100	Engine chassis: Control Travel pedal actuated at selected / active engine brake No acceptance of gases at active engine brake Deactivation of engine brake	A700.X2:34/.X2:48		E	1
880101	Engine chassis: Control Travel pedal actuated at support / superstructure operation No acceptance of gases at active support operation Deactivation of support operation	A700.X2:34/.X2:48		E	1
880102	Engine chassis: Control Function "bleeding fuel supply" activated (gas pedal) Breather function of fuel pump and lines to engine on active Engine RPM > 800 1/min or turn ignition off / on	A700.X2:34/.X2:48		B	
880400	Engine chassis: CAN-Data transfer I/O-Module (ID90x) erroneous/maximum cycle time exceeded Emerg. op.: Momentum and RPM limitation of engine Check cable / plug / I/O-Module(s)	A700.X2:		E	1
880401	Engine chassis: CAN-Data transfer Coupling (ID 556) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / coupling module	A700.X2:		E	1
880402	Engine chassis: CAN-Data transfer Gear (ID564) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / gear module	A700.X2:		E	1
880403	Engine chassis: CAN-Data transfer Gear (ID564) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / gear module	A700.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
880404	Engine chassis: CAN-Data transfer Gear (ID668) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / gear module	A700.X2:		E	1
880405	Engine chassis: CAN-Data transfer ABV (ID512) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module1	A700.X2:		E	1
880406	Engine chassis: CAN-Data transfer ABV (ID513) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module1	A700.X2:		E	1
880407	Engine chassis: CAN-Data transfer ABV2 (ID514) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module2	A700.X2:		E	1
880408	Engine chassis: CAN-Data transfer ABV2 (ID515) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module2	A700.X2:		E	1
880409	Engine chassis: CAN-Data transfer Retarder (ID 772) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / retarder module	A700.X2:		E	1
880410	Engine chassis: CAN-Data transfer WSK (ID 776) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / converter module	A700.X2:		E	1
880411	Engine chassis: CAN-Data transfer Overrun of receiving buffer last received value or replacement value Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700.X2:		E	1
880500	Engine chassis: CAN-engine control unit Time exceeded request global process view internal error, replace control unit	A700.X2:			
880501	Engine chassis: CAN-engine control unit Time exceeded at receipt of complete output data last received value or replacement value Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
880502	Engine chassis: CAN-engine control unit Data communication failed / interrupted (Sending timeout) last received value or replacement value Check cable / plug / CAN-participant	A700.X2:		E	1
880503	Engine chassis: CAN-engine control unit Data communication interrupted (Passive error) last received value or replacement value Check cable / plug / CAN-participant	A700.X2:		E	1
880504	Engine chassis: CAN-engine control unit Data communication interrupted (BusOff) last received value or replacement value Check cable / plug / CAN-participant	A700.X2:		E	1
880600	Engine chassis: CAN constr. machinery Time exceeded request global process view Check cable / plug / CAN-participant	A700.X2:		E	1
880601	Engine chassis: CAN constr. machinery Time exceeded at receipt of complete output data Check cable / plug / CAN-participant	A700.X2:		E	1
880602	Engine chassis: CAN constr. machinery Data communication failed / interrupted (Sending timeout) Check cable / plug / CAN-participant	A700.X2:		E	1
880603	Engine chassis: CAN constr. machinery Data communication interrupted (Passive error) Check cable / plug / CAN-participant	A700.X2:		E	1
880604	Engine chassis: CAN constr. machinery Data communication interrupted (BusOff) Check cable / plug / CAN-participant	A700.X2:		E	1
880605	Engine chassis: CAN constr. machinery Data communication malfunctioning (warning) Check cable / plug / CAN-participant	A700.X2:		E	1
880606	Engine chassis: CAN constr. machinery Data communication was malfunctioning (timeout) Check cable / plug / CAN-participant	A700.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
880700	Engine chassis: CAN AMET Time exceeded request global process view Check cable / plug / CAN-participant	A700.X2:		E	1
880701	Engine chassis: CAN AMET Time exceeded at receipt of complete output data Check cable / plug / CAN-participant	A700.X2:		E	1
880702	Engine chassis: CAN AMET Data communication failed / interrupted (Sending timeout) Check cable / plug / CAN-participant	A700.X2:		E	1
880703	Engine chassis: CAN AMET Data communication interrupted (Passive error) Check cable / plug / CAN-participant	A700.X2:		E	1
880704	Engine chassis: CAN AMET Data communication interrupted (BusOff) Check cable / plug / CAN-participant	A700.X2:		E	1
880705	Engine chassis: CAN AMET Data communication malfunctioning (warning) Check cable / plug / CAN-participant	A700.X2:		E	1
880706	Engine chassis: CAN AMET Data communication was malfunctioning (timeout) Check cable / plug / CAN-participant	A700.X2:		E	1
880800	Engine chassis: CAN-Data transfer Data communication Tachograph problem Change over to plausible speed source Check cable / plug / tachograph	A700.X2:		E	1
880801	Engine chassis: CAN-Data transfer Data communication TSC1 problem No Check cable / plug / CAN-participant	A700.X2:		E	1
880802	Engine chassis: CAN-Data transfer Data communication failed / interrupted (Sending timeout) Change over to plausible speed source Check cable / plug / CAN-participant	A700.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
880803	Engine chassis: CAN-Data transfer Data communication interrupted (Passive error) Change over to plausible speed source Check cable / plug / CAN-participant	A700.X2:		E	1
880804	Engine chassis: CAN-Data transfer Data communication interrupted (BusOff) Change over to plausible speed source Check cable / plug / CAN-participant	A700.X2:		E	1
880900	Engine chassis: CAN-communication status CAN A - Setting Transfer rate 125 KBaud possible No	A700.X2:		E	1
880901	Engine chassis: CAN-communication status CAN A - Setting Transfer rate 250 KBaud possible No	A700.X2:		E	1
880902	Engine chassis: CAN-communication status CAN A - Setting Transfer rate 500 KBaud possible No	A700.X2:		E	1
880903	Engine chassis: CAN-communication status CAN A - Setting Transfer rate 1 MBaud possible No	A700.X2:		E	1
880904	Engine chassis: CAN-communication status CAN B - Setting Transfer rate 125 KBaud possible No	A700.X2:		E	1
880905	Engine chassis: CAN-communication status CAN B - Setting Transfer rate 250 KBaud possible No	A700.X2:		E	1
880906	Engine chassis: CAN-communication status CAN B - Setting Transfer rate 500 KBaud possible No	A700.X2:		E	1
880907	Engine chassis: CAN-communication status CAN B - Setting Transfer rate 1 MBaud possible No	A700.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
880908	Engine chassis: CAN-communication status CAN-connection after problem new synchronized No	A700.X2:		E	1
880909	Engine chassis: CAN-communication status Transfer error stored on CAN No	A700.X2:		E	1
880910	Engine chassis: CAN-communication status CAN-transfer rate not recognized / is detected No	A700.X2:		E	1
880911	Engine chassis: CAN-communication status CAN-transfer rate not recognized / is detected No	A700.X2:		E	1
880912	Engine chassis: CAN-communication status CAN-transfer rate not recognized / is detected	A700.X2:		E	1
881000	Engine chassis: Internal error Stack-overflow Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700		E	2
881001	Engine chassis: Internal error Exception Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700		E	2
881002	Engine chassis: Internal error Program test Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700		E	2
881003	Engine chassis: Internal error RAM-Test Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700		E	2
881004	Engine chassis: Internal error Overflow in error stack No Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
881005	Engine chassis: Internal error Comp. time error No Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700		E	2
881006	Engine chassis: Internal error Error-Index too large The error cannot be shown Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A700		E	0
881100	Engine chassis: Memory error EEPROM Error at EEPROM-access Engine cannot be started or engine shut off Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	2
881101	Engine chassis: Memory error EEPROM Check sum via parameter memory is erroneous Engine cannot be started or engine shut off Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	2
881102	Engine chassis: Memory error EEPROM Parameter memory in EEPROM is invalid Engine cannot be started or engine shut off Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	2
881103	Engine chassis: Memory error EEPROM Check sum via ECU-Page is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	0
881104	Engine chassis: Memory error EEPROM Check sum via NMI-Page is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	0
881105	Engine chassis: Memory error EEPROM Check sum via Work data-Page is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	0
881106	Engine chassis: Memory error EEPROM Check sum via load collective is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	0
881107	Engine chassis: Memory error EEPROM Structure size of load collective has changed No Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
881108	Engine chassis: Memory error EEPROM EEPROM has insufficient memory for load collective free No Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	0
881109	Engine chassis: Memory error EEPROM Check sum via permanent data is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A700		E	0
881200	Engine chassis: Power supply Supply voltage too low Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug).	A700.X2:		E	1
881201	Engine chassis: Power supply Supply voltage too high Engine cannot be started or engine shut off; only communication with diagnostics tool Check power supply (battery, alternator, wiring, plug)	A700.X2:		E	1
881202	Engine chassis: Power supply Digital output short circuit after supply voltage Engine shut off; only communication with diagnostics tool Wiring, check engine control unit; replace engine control unit if nec.	A700.X2:		E	1
881203	Engine chassis: Power supply Error at release of power outputs Engine shut off; shut off of all digital outlets Wiring, check engine control unit; replace engine control unit if nec.	A700.X2:		E	1
881204	Engine chassis: Power supply Current supply PS1 erroneous/missing Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug) in rel. to PS1	A700.X2:		E	1
881205	Engine chassis: Power supply Error on 12V-Reference: Voltage too low (<10V) Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug) in rel. to PS1	A700.X2:		E	1
881206	Engine chassis: Power supply Error on 12V-Reference: Voltage too high (>14V) Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug) in rel. to PS1	A700.X2:		E	1
881500	Engine chassis: Configuration error Fan control The fan control is deactivated. Resulting in maximum vent position New data set, or replace engine control unit	A700		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
881501	Engine chassis: Configuration error Full load curve (incorrect Offset) The matching of the performance curve is internally limited New data set, or replace engine control unit	A700		E	1
881502	Engine chassis: Configuration error Monitoring Travel pedal Pedal unit is not monitored New data set, or replace engine control unit	A700		E	1
881503	Engine chassis: Configuration error Incorrect pump code Injector class 3 is used as replacement value Check pump coding and change (via diagnostics or corr. diagnostics tool)	A700		E	1
881504	Engine chassis: Configuration error Assignment error at high pressure sensors Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A700		E	1
881505	Engine chassis: Configuration error No high pressure pump active Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A700		E	1
881506	Engine chassis: Configuration error Current output for high pressure pump 1 not active Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A700		E	1
881507	Engine chassis: Configuration error Current output for high pressure pump 2 not active Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A700		E	1
881900	Engine chassis: Speed recording Maximum difference travel speed Tacho<>Gear exceeded The larger speed value is used Check Wiring engine control unit to speed sensor or check speed sensor.	A700		E	1
882000	Engine chassis: Alternator Undervoltage at engine start No Check wiring engine control unit to alternator and alternator.	A700.X2:		E	1
882001	Engine chassis: Alternator Undervoltage at engine on No Check wiring engine control unit to alternator and alternator.	A700.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
882002	Engine chassis: Alternator Undervoltage at engine on No Check wiring engine control unit to alternator and alternator.	A700.X2:		E	1
882003	Engine chassis: Alternator Overvoltage at engine on No Check wiring engine control unit to alternator and alternator.	A700.X2:		E	1
882004	Engine chassis: Alternator Voltage deviation to supply voltage too low No Check wiring engine control unit to alternator and alternator.	A700.X2:		E	1
882005	Engine chassis: Alternator Voltage deviation to supply voltage too high No Check wiring engine control unit to alternator and alternator.	A700.X2:		E	1
882100	Engine chassis: Travel pedal No gas switch erroneous Use low value Check wiring engine control unit to travel pedal. Check travel pedal / replace	A700		E	1
882101	Engine chassis: Travel pedal maximum signal difference channel 1 and 2 exceeded Use low value Check wiring engine control unit to travel pedal. Check travel pedal / replace	A700		E	1
882800	Engine chassis: Exhaust return (AGR2) Short circuit after ground or broken wire External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882801	Engine chassis: Exhaust return (AGR2) short circuit to supply voltage External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882802	Engine chassis: Exhaust return (AGR2) Hardware error (Transistor defective) External AGR2 is not actuated Check engine control unit	A700.X1:		E	1
882803	Engine chassis: Exhaust return (AGR2) Rule deviation negative External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
882804	Engine chassis: Exhaust return (AGR2) Rule deviation positive External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882805	Engine chassis: Exhaust return (AGR2) Logic threshold breach in shut off condition External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882806	Engine chassis: Exhaust return (AGR2) Logic threshold breach (Current less than perm. minimum value) External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882807	Engine chassis: Exhaust return (AGR2) Logic threshold breach (Current more than perm. maximum value) External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882811	Engine chassis: Exhaust return (AGR2) open without actuation External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882812	Engine chassis: Exhaust return (AGR2) closed despite actuation External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A700.X1:		E	1
882900	Engine chassis: Air flap Short circuit after ground or broken wire Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882901	Engine chassis: Air flap short circuit to supply voltage Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882902	Engine chassis: Air flap Hardware error (Transistor defective) Air vent is not actuated Check engine control unit	A700.X2:12/13		E	1
882903	Engine chassis: Air flap Rule deviation negative Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
882904	Engine chassis: Air flap Rule deviation positive Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882905	Engine chassis: Air flap Logic threshold breach in shut off condition Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882906	Engine chassis: Air flap Logic threshold breach (Current less than perm. minimum value) Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882907	Engine chassis: Air flap Logic threshold breach (Current more than perm. maximum value) Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882908	Engine chassis: Air flap Over current LowSide Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882909	Engine chassis: Air flap Over current HighSide Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
882910	Engine chassis: Air flap PWM on maximum Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A700.X2:12/13		E	1
883003	Engine chassis: High pressure pump 1 Rule deviation negative Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883004	Engine chassis: High pressure pump 1 Rule deviation positive Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883005	Engine chassis: High pressure pump 1 Current to high in shut off condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883006	Engine chassis: High pressure pump 1 Current to low in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883007	Engine chassis: High pressure pump 1 Current to high in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883008	Engine chassis: High pressure pump 1 UeberCurrent LowSide (ground switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883009	Engine chassis: High pressure pump 1 UeberCurrent HighSide (Plus-switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883010	Engine chassis: High pressure pump 1 PWM on maximum Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883103	Engine chassis: High pressure pump 2 Rule deviation negative Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883104	Engine chassis: High pressure pump 2 Rule deviation positive Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883105	Engine chassis: High pressure pump 2 Current to high in shut off condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883106	Engine chassis: High pressure pump 2 Current to low in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883107	Engine chassis: High pressure pump 2 Current to high in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883108	Engine chassis: High pressure pump 2 UeberCurrent LowSide (ground switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883109	Engine chassis: High pressure pump 2 UeberCurrent HighSide (Plus-switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883110	Engine chassis: High pressure pump 2 PWM on maximum Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A700.X1:		E	1
883200	Engine chassis: Starter short circuit to ground Engine start not possible Check cable harness / plug / Starter / engine control unit	A700.X1:29		E	1
883201	Engine chassis: Starter short circuit to supply voltage Engine start not possible Check cable harness / plug / Starter / engine control unit	A700.X1:29		E	1
883300	Engine chassis: Fan control Short circuit after ground or broken wire The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A700.X2:26/27		E	1
883301	Engine chassis: Fan control short circuit to supply voltage The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A700.X2:26/27		E	1
883302	Engine chassis: Fan control Hardware error (Transistor defective) The fan control is deactivated. Resulting in maximum vent position Check engine control unit	A700.X2:26/27		E	1
883303	Engine chassis: Fan control Rule deviation negative The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A700.X2:26/27		E	1
883304	Engine chassis: Fan control Rule deviation positive The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A700.X2:26/27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883305	Engine chassis: Fan control Logic threshold breach in shut off condition The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A700.X2:26/27		E	1
883306	Engine chassis: Fan control Logic threshold breach (Current less than perm. minimum value) The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A700.X2:26/27		E	1
883307	Engine chassis: Fan control Logic threshold breach (Current more than perm. maximum value) The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A700.X2:26/27		E	1
883400	Engine chassis: Engine brake Short circuit after ground or broken wire Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A700.X2:11		E	1
883401	Engine chassis: Engine brake short circuit to supply voltage Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A700.X2:11		E	1
883402	Engine chassis: Engine brake Hardware error (Transistor defective) Engine brake flap is not actuated Check engine control unit	A700.X2:11		E	1
883403	Engine chassis: Engine brake Rule deviation negative Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A700.X2:11		E	1
883404	Engine chassis: Engine brake Rule deviation positive Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A700.X2:11		E	1
883405	Engine chassis: Engine brake Logic threshold breach in shut off condition Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A700.X2:11		E	1
883406	Engine chassis: Engine brake Logic threshold breach (Current less than perm. minimum value) Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A700.X2:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883407	Engine chassis: Engine brake Logic threshold breach (Current more than perm. maximum value) Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A700.X2:11		E	1
883500	Engine chassis: Heater flange unit 1 Short circuit after ground or broken wire Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883501	Engine chassis: Heater flange unit 1 short circuit to supply voltage Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883502	Engine chassis: Heater flange unit 1 Hardware error (Transistor defective) Failure of pre- and afterheat phase Check engine control unit	A700.X2:39/64		E	1
883503	Engine chassis: Heater flange unit 1 Rule deviation negative Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883504	Engine chassis: Heater flange unit 1 Rule deviation positive Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883505	Engine chassis: Heater flange unit 1 Logic threshold breach in shut off condition Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883506	Engine chassis: Heater flange unit 1 Logic threshold breach (Current less than perm. minimum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883507	Engine chassis: Heater flange unit 1 Logic threshold breach (Current more than perm. maximum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883511	Engine chassis: Heater flange unit 1 No voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883512	Engine chassis: Heater flange unit 1 Voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:39/64		E	1
883600	Engine chassis: Heater flange unit 2 Short circuit after ground or broken wire Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883601	Engine chassis: Heater flange unit 2 short circuit to supply voltage Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883602	Engine chassis: Heater flange unit 2 Hardware error (Transistor defective) Failure of pre- and afterheat phase Check engine control unit	A700.X2:25/65		E	1
883603	Engine chassis: Heater flange unit 2 Rule deviation negative Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883604	Engine chassis: Heater flange unit 2 Rule deviation positive Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883605	Engine chassis: Heater flange unit 2 Logic threshold breach in shut off condition Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883606	Engine chassis: Heater flange unit 2 Logic threshold breach (Current less than perm. minimum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883607	Engine chassis: Heater flange unit 2 Logic threshold breach (Current more than perm. maximum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883611	Engine chassis: Heater flange unit 2 No voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883612	Engine chassis: Heater flange unit 2 Voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A700.X2:25/65		E	1
883700	Engine chassis: Solenoid valves Short circuit after ground or broken wire Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A700.X2:25/65		E	1
883701	Engine chassis: Solenoid valves short circuit to supply voltage Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A700.X2:25/65		E	1
883702	Engine chassis: Solenoid valves Hardware error (Transistor defective) Failure of after heat phase Check engine control unit	A700.X2:25/65		E	1
883703	Engine chassis: Solenoid valves Rule deviation negative Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A700.X2:25/65		E	1
883704	Engine chassis: Solenoid valves Rule deviation positive Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A700.X2:25/65		E	1
883705	Engine chassis: Solenoid valves Logic threshold breach in shut off condition Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A700.X2:25/65		E	1
883706	Engine chassis: Solenoid valves Logic threshold breach (Current less than perm. minimum value) Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A700.X2:25/65		E	1
883707	Engine chassis: Solenoid valves Logic threshold breach (Current more than perm. maximum value) Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A700.X2:25/65		E	1
883800	Engine chassis: Turbo charger Short circuit after ground or broken wire Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A700		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883801	Engine chassis: Turbo charger short circuit to supply voltage Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A700		E	1
883802	Engine chassis: Turbo charger Hardware error (Transistor defective) Turbocharger is not actuated Check engine control unit	A700		E	1
883803	Engine chassis: Turbo charger Rule deviation negative Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A700		E	1
883804	Engine chassis: Turbo charger Rule deviation positive Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A700		E	1
883805	Engine chassis: Turbo charger Logic threshold breach in shut off condition Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A700		E	1
883806	Engine chassis: Turbo charger Logic threshold breach (Current less than perm. minimum value) Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A700		E	1
883807	Engine chassis: Turbo charger Logic threshold breach (Current more than perm. maximum value) Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A700		E	1
883900	Engine chassis: Exhaust return (AGR) Short circuit after ground or broken wire External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883901	Engine chassis: Exhaust return (AGR) short circuit to supply voltage External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883902	Engine chassis: Exhaust return (AGR) Hardware error (Transistor defective) External AGR is not actuated Check engine control unit	A700.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
883903	Engine chassis: Exhaust return (AGR) Rule deviation negative External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883904	Engine chassis: Exhaust return (AGR) Rule deviation positive External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883905	Engine chassis: Exhaust return (AGR) Logic threshold breach (Current higher than perm. min. value) External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883906	Engine chassis: Exhaust return (AGR) Logic threshold breach (Current less than perm. minimum value) External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883907	Engine chassis: Exhaust return (AGR) Logic threshold breach (Current more than perm. maximum value) External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883911	Engine chassis: Exhaust return (AGR) open without actuation External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
883912	Engine chassis: Exhaust return (AGR) closed despite actuation External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A700.X1:		E	1
884000	Engine chassis: Emerg. Op. indicator Short circuit after ground or broken wire None Check cable harness / plug / warn. light / engine control unit	A700.X2:42		E	1
884001	Engine chassis: Emerg. Op. indicator short circuit to supply voltage None Check cable harness / plug / warn. light / engine control unit	A700.X2:42		E	1
884002	Engine chassis: Emerg. Op. indicator Hardware error (Transistor defective) None Check engine control unit	A700.X2:42		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
884100	Engine chassis: Indicator light preglow / start readiness Short circuit after ground or broken wire None Check cable harness / plug / warn. light / engine control unit	A700.X2:28		E	1
884101	Engine chassis: Indicator light preglow / start readiness short circuit to supply voltage None Check cable harness / plug / warn. light / engine control unit	A700.X2:28		E	1
884102	Engine chassis: Indicator light preglow / start readiness Hardware error (Transistor defective) None Check engine control unit	A700.X2:28		E	1
884200	Engine chassis: Charge indicator Alternator Short circuit after ground or broken wire None Check cable harness / plug / warn. light / engine control unit	A700.X2:14		E	1
884201	Engine chassis: Charge indicator Alternator short circuit to supply voltage None Check cable harness / plug / warn. light / engine control unit	A700.X2:14		E	1
884202	Engine chassis: Charge indicator Alternator Hardware error (Transistor defective) None Check engine control unit	A700.X2:14		E	1
884300	Engine chassis: fan control 1 (reversible) Short circuit after ground or broken wire	A700.X2:26/27		E	1
884301	Engine chassis: fan control 1 (reversible) short circuit to supply voltage	A700.X2:26/27		E	1
884302	Engine chassis: fan control 1 (reversible) Hardware error (Transistor defective)	A700.X2:26/27		E	1
884303	Engine chassis: fan control 1 (reversible) Rule deviation negative	A700.X2:26/27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
884304	Engine chassis: fan control 1 (reversible) Rule deviation positive	A700.X2:26/27		E	1
884305	Engine chassis: fan control 1 (reversible) Logic threshold breach in shut off condition	A700.X2:26/27		E	1
884306	Engine chassis: fan control 1 (reversible) Logic threshold breach (Current less than perm. minimum value)	A700.X2:26/27		E	1
884307	Engine chassis: fan control 1 (reversible) Logic threshold breach (Current more than perm. maximum value)	A700.X2:26/27		E	1
884400	Engine chassis: fan control 2 (reversible) Short circuit after ground or broken wire	A700.X2:26/27		E	1
884401	Engine chassis: fan control 2 (reversible) short circuit to supply voltage	A700.X2:26/27		E	1
884402	Engine chassis: fan control 2 (reversible) Hardware error (Transistor defective)	A700.X2:26/27		E	1
884403	Engine chassis: fan control 2 (reversible) Rule deviation negative	A700.X2:26/27		E	1
884404	Engine chassis: fan control 2 (reversible) Rule deviation positive	A700.X2:26/27		E	1
884405	Engine chassis: fan control 2 (reversible) Logic threshold breach in shut off condition	A700.X2:26/27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
884406	Engine chassis: fan control 2 (reversible) Logic threshold breach (Current less than perm. minimum value)	A700.X2:26/27		E	1
884407	Engine chassis: fan control 2 (reversible) Logic threshold breach (Current more than perm. maximum value)	A700.X2:26/27		E	1
884500	Engine chassis: Rail pressure system Pressure relief valve 1 open High pressure regulation emergency operation activated Test Rail circuit 1	A700.X1:9/X1:10		E	1
884501	Engine chassis: Rail pressure system Pressure relief valve 2 open High pressure regulation emergency operation activated Test Rail circuit 2	A700.X1:11/X1:12		E	1
884502	Engine chassis: Rail pressure system Emergency operation high pressure regulation active Power reduction, high pressure pump control turned off Test Rail circuit 1/2 / wiring harness / plug	A700		E	1
884503	Engine chassis: Rail pressure system Pressure difference between high pressure sensor 1 and 2 No reaction on engine, the higher sensor value is used Test wiring harness/ plug / rail pressure sensors / rail circuit 1/2	A700		E	1
884504	Engine chassis: Rail pressure system Regulation deviation in CR-regulating circuit 1 None Test Rail circuit 1	A700		E	1
884505	Engine chassis: Rail pressure system Regulation deviation in CR-regulating circuit 2 None Test Rail circuit 2	A700		E	1
884900	Engine chassis: RPM signal output Short circuit after ground or broken wire No Check wiring harness / plug / connected modules	A700		E	1
884901	Engine chassis: RPM signal output short circuit to supply voltage No Check wiring harness / plug / connected modules	A700		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
885000	Engine chassis: Cylinder A1 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:22/8		E	2
885001	Engine chassis: Cylinder A1 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:22/8		E	2
885002	Engine chassis: Cylinder A1 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:22/8		E	2
885003	Engine chassis: Cylinder A1 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:22/8		E	2
885005	Engine chassis: Cylinder A1 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:22/8		E	
885006	Engine chassis: Cylinder A1 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:22/8		E	0
885007	Engine chassis: Cylinder A1 No increase time measured No Replace engine control unit	A700.X1:22/8		E	2
885008	Engine chassis: Cylinder A1 Increase time too large No New data set, or replace engine control unit	A700.X1:22/8		E	
885100	Engine chassis: Cylinder A2 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:21/7		E	2
885101	Engine chassis: Cylinder A2 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:21/7		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
885102	Engine chassis: Cylinder A2 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:21/7		E	2
885103	Engine chassis: Cylinder A2 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:21/7		E	2
885104	Engine chassis: Cylinder A2 No fly time measured No Replace engine control unit	A700.X1:21/7		E	2
885105	Engine chassis: Cylinder A2 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:21/7		E	
885106	Engine chassis: Cylinder A2 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:21/7		E	0
885107	Engine chassis: Cylinder A2 No increase time measured No Replace engine control unit	A700.X1:21/7		E	2
885108	Engine chassis: Cylinder A2 Increase time too large No New data set, or replace engine control unit	A700.X1:21/7		E	
885200	Engine chassis: Cylinder A3 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:20/6		E	2
885201	Engine chassis: Cylinder A3 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:20/6		E	2
885202	Engine chassis: Cylinder A3 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:20/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
885203	Engine chassis: Cylinder A3 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:20/6		E	2
885204	Engine chassis: Cylinder A3 No fly time measured No Replace engine control unit	A700.X1:20/6		E	2
885205	Engine chassis: Cylinder A3 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:20/6		E	
885206	Engine chassis: Cylinder A3 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:20/6		E	0
885207	Engine chassis: Cylinder A3 No increase time measured No Replace engine control unit	A700.X1:20/6		E	2
885208	Engine chassis: Cylinder A3 Increase time too large No New data set, or replace engine control unit	A700.X1:20/6		E	
885300	Engine chassis: Cylinder A4 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:19/5		E	2
885301	Engine chassis: Cylinder A4 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:19/5		E	2
885302	Engine chassis: Cylinder A4 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:19/5		E	2
885303	Engine chassis: Cylinder A4 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:19/5		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
885304	Engine chassis: Cylinder A4 No fly time measured No Replace engine control unit	A700.X1:19/5		E	2
885305	Engine chassis: Cylinder A4 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:19/5		E	
885306	Engine chassis: Cylinder A4 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:19/5		E	0
885307	Engine chassis: Cylinder A4 No increase time measured No Replace engine control unit	A700.X1:19/5		E	2
885308	Engine chassis: Cylinder A4 Increase time too large No New data set, or replace engine control unit	A700.X1:19/5		E	
885800	Engine chassis: Cylinder B1 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:18/4		E	2
885801	Engine chassis: Cylinder B1 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:18/4		E	2
885802	Engine chassis: Cylinder B1 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:18/4		E	2
885803	Engine chassis: Cylinder B1 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:18/4		E	2
885804	Engine chassis: Cylinder B1 No fly time measured No Replace engine control unit	A700.X1:18/4		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
885805	Engine chassis: Cylinder B1 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:18/4		E	
885806	Engine chassis: Cylinder B1 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:18/4		E	0
885807	Engine chassis: Cylinder B1 No increase time measured No Replace engine control unit	A700.X1:18/4		E	2
885808	Engine chassis: Cylinder B1 Increase time too large No New data set, or replace engine control unit	A700.X1:18/4		E	
885900	Engine chassis: Cylinder B2 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:17/3		E	2
885901	Engine chassis: Cylinder B2 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:17/3		E	2
885902	Engine chassis: Cylinder B2 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:17/3		E	2
885903	Engine chassis: Cylinder B2 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:17/3		E	2
885904	Engine chassis: Cylinder B2 No fly time measured No Replace engine control unit	A700.X1:17/3		E	2
885905	Engine chassis: Cylinder B2 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:17/3		E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
885906	Engine chassis: Cylinder B2 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:17/3		E	0
885907	Engine chassis: Cylinder B2 No increase time measured No Replace engine control unit	A700.X1:17/3		E	2
885908	Engine chassis: Cylinder B2 Increase time too large No New data set, or replace engine control unit	A700.X1:17/3		E	
886000	Engine chassis: Cylinder B3 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:16/2		E	2
886001	Engine chassis: Cylinder B3 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:16/2		E	2
886002	Engine chassis: Cylinder B3 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:16/2		E	2
886003	Engine chassis: Cylinder B3 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:16/2		E	2
886004	Engine chassis: Cylinder B3 No fly time measured No Replace engine control unit	A700.X1:16/2		E	2
886005	Engine chassis: Cylinder B3 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:16/2		E	
886006	Engine chassis: Cylinder B3 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:16/2		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
886007	Engine chassis: Cylinder B3 No increase time measured No Replace engine control unit	A700.X1:16/2		E	2
886008	Engine chassis: Cylinder B3 Increase time too large No New data set, or replace engine control unit	A700.X1:16/2		E	
886100	Engine chassis: Cylinder B4 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A700.X1:15/1		E	2
886101	Engine chassis: Cylinder B4 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:15/1		E	2
886102	Engine chassis: Cylinder B4 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A700.X1:15/1		E	2
886103	Engine chassis: Cylinder B4 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A700.X1:15/1		E	2
886104	Engine chassis: Cylinder B4 No fly time measured No Replace engine control unit	A700.X1:15/1		E	2
886105	Engine chassis: Cylinder B4 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A700.X1:15/1		E	
886106	Engine chassis: Cylinder B4 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A700.X1:15/1		E	0
886107	Engine chassis: Cylinder B4 No increase time measured No Replace engine control unit	A700.X1:15/1		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
886108	Engine chassis: Cylinder B4 Increase time too large No New data set, or replace engine control unit	A700.X1:15/1		E	
886900	Engine chassis: Injection system Cylinder error Engine shut off Check cable / plug / solenoid valve / engine control unit	A700		E	2
886901	Engine chassis: Injection system Overlap of injection on bank A Engine shut off New data set, or replace engine control unit	A700		E	2
886902	Engine chassis: Injection system Overlap of injection on bank B Engine shut off New data set, or replace engine control unit	A700		E	2
886903	Engine chassis: Injection system Short circuit Plus switch after ground on bank A No Check cable / plug / solenoid valve / engine control unit	A700		E	2
886904	Engine chassis: Injection system Short circuit Plus switch after ground on bank B No Check cable / plug / solenoid valve / engine control unit	A700		E	2
886905	Engine chassis: Injection system Short circuit Plus switch after supply voltage on bank A No Check cable / plug / solenoid valve / engine control unit	A700		E	2
886906	Engine chassis: Injection system Short circuit Plus switch after supply voltage on bank B No Check cable / plug / solenoid valve / engine control unit	A700		E	2
886907	Engine chassis: Injection system Short circuit Ground switch after ground on bank A at CR-Motor occurs shut off of bank A Check cable / plug / solenoid valve / engine control unit	A700		E	2
886908	Engine chassis: Injection system Short circuit Ground switch after ground on bank B at CR-Motor occurs shut off of bank B Check cable / plug / solenoid valve / engine control unit	A700		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
886909	Engine chassis: Injection system Short circuit Ground switch after supply voltage on bank A No Check cable / plug / solenoid valve / engine control unit	A700		E	2
886910	Engine chassis: Injection system Short circuit Ground switch after supply voltage on bank B No Check cable / plug / solenoid valve / engine control unit	A700		E	2
887000	Engine chassis: Overspeed RPM sensor 1 Warning threshold exceeded None Check engine op. (excess. speed due to push op.); engine control unit	A700		E	1
887001	Engine chassis: Overspeed RPM sensor 2 Warning threshold exceeded None Check engine op. (excess. speed due to push op.); engine control unit	A700		E	1
887002	Engine chassis: Overspeed RPM sensor 1 Safety threshold exceeded Engine shut off Check engine op. (excess. speed due to push op.); engine control unit	A700		E	1
887003	Engine chassis: Overspeed RPM sensor 2 Safety threshold exceeded Engine shut off Check engine op. (excess. speed due to push op.); engine control unit	A700		E	1
887100	Engine chassis: Synchronization defective Engine start not possible Turn ign. on / off; check RPM and phase sensor	A700		E	1
887101	Engine chassis: Synchronization incorrect distance gap<>Phase sensor Engine start not possible Turn ign. on / off; check RPM and phase sensor	A700		E	1
887102	Engine chassis: Synchronization Tooth number not correct Engine start not possible Turn ign. on / off; check RPM sensor	A700		E	1
887103	Engine chassis: Synchronization not possible, RPM is too low Engine start not possible Turn ign. on / off; check RPM and phase sensor	A700		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
887104	Engine chassis: Synchronization Index counter camshaft gear erroneous Engine start not possible Turn ign. on / off; check RPM and phase sensor	A700		E	1
887200	Engine chassis: RPM sensor 1 failed Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check: distance of RPM sensor to flywheel (0.5-2.0 mm); Wiring to RPM sensor; RPM sensor	A700.X1:69/55/41		E	1
887201	Engine chassis: RPM sensor 1 does not start Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check: distance of RPM sensor to flywheel (0.5-2.0 mm); Wiring to RPM sensor; RPM sensor	A700.X1:69/55/41		E	1
887202	Engine chassis: RPM sensor 1 impermissible signal difference (Gradient breach) Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A700.X1:69/55/41		E	1
887203	Engine chassis: RPM sensor 1 Frequency too high Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A700.X1:69/55/41		E	1
887204	Engine chassis: RPM sensor 1 poled Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check RPM sensor inst., engine control unit.	A700.X1:69/55/41		E	1
887205	Engine chassis: RPM sensor 1 Value implausible/erroneous Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check RPM sensor inst., engine control unit.	A700.X1:69/55/41		E	1
887300	Engine chassis: RPM sensor 2 failed Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Check: distance of RPM sensor to flywheel (0.5-2.0 mm); Wiring to RPM sensor; RPM sensor	A700.X1:68/54/40		E	1
887302	Engine chassis: RPM sensor 2 impermissible signal difference (Gradient breach) Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A700.X1:68/54/40		E	1
887303	Engine chassis: RPM sensor 2 Frequency too high Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A700.X1:68/54/40		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
887304	Engine chassis: RPM sensor 2 poled Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Check RPM sensor inst., engine control unit.	A700.X1:68/54/40		E	1
887305	Engine chassis: RPM sensor 2 Value implausible/erroneous Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Check RPM sensor inst., engine control unit.	A700.X1:68/54/40		E	1
887400	Engine chassis: Sensor Position camshaft failed Engine start, dep. on configuration, not possible. No effect with engine running Check distance of phase sensor to camshaft gear (0.5-2.0 mm); wiring to phase sensor, phase sensor	A700.X1:70/56/42		E	1
887404	Engine chassis: Sensor Position camshaft poled Engine start, dep. on configuration, not possible. No effect with engine running Check: Phase sensor installation, engine control unit	A700.X1:70/56/42		E	1
887405	Engine chassis: Sensor Position camshaft Value implausible/erroneous Emergency shut off at simultaneous failure of redundant sensor (1 or 2). Otherwise RPM reg. via red. sensor Check: Phase sensor installation, engine control unit	A700.X1:70/56/42		E	1
887500	Engine chassis: Travel pedal channel 1 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X2:33/34/35		E	1
887501	Engine chassis: Travel pedal channel 1 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:33/34/35		E	1
887502	Engine chassis: Travel pedal channel 1 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:33/34/35		E	1
887503	Engine chassis: Travel pedal channel 1 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:33/34/35		E	1
887504	Engine chassis: Travel pedal channel 1 Signal outside permissible range (Limit 1) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 1 for operating range injury. Fix possible mechanical problem	A700.X2:33/34/35		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
887505	Engine chassis: Travel pedal channel 1 Signal outside permissible range (Limit 2) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 1 for operating range injury. Fix possible mechanical problem	A700.X2:33/34/35		E	1
887506	Engine chassis: Travel pedal channel 1 signal implausible Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A700.X2:33/34/35		E	1
887600	Engine chassis: Travel pedal channel 2 Short circuit after ground or line interruption Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A700.X2:47/48/49		E	1
887602	Engine chassis: Travel pedal channel 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:47/48/49		E	1
887603	Engine chassis: Travel pedal channel 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:47/48/49		E	1
887604	Engine chassis: Travel pedal channel 2 Signal outside permissible range (Limit 1) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A700.X2:47/48/49		E	1
887605	Engine chassis: Travel pedal channel 2 Signal outside permissible range (Limit 2) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A700.X2:47/48/49		E	1
887606	Engine chassis: Travel pedal channel 2 signal implausible Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A700.X2:47/48/49		E	1
887700	Engine chassis: Sensor coolant level Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X2:19/20/21		E	2
887701	Engine chassis: Sensor coolant level short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:19/20/21		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
887702	Engine chassis: Sensor coolant level Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:19/20/21		E	2
887703	Engine chassis: Sensor coolant level Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:19/20/21		E	2
887704	Engine chassis: Sensor coolant level Signal outside permissible range (Limit 1) no reaction Check coolant level for operating range injury. Fix possible mechanical problem	A700.X2:19/20/21		E	0
887705	Engine chassis: Sensor coolant level Signal outside permissible range (Limit 2) no reaction Check coolant level for operating range injury. Fix possible mechanical problem	A700.X2:19/20/21		E	0
887706	Engine chassis: Sensor coolant level signal implausible Check sensor, wiring, input on control unit	A700.X2:19/20/21		E	2
887800	Engine chassis: Sensor oil level Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700		E	1
887801	Engine chassis: Sensor oil level short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700		E	1
887802	Engine chassis: Sensor oil level Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700		E	1
887803	Engine chassis: Sensor oil level Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700		E	1
887804	Engine chassis: Sensor oil level Signal outside permissible range (Limit 1) no reaction Check oil level for operating range injury. Fix possible mechanical problem	A700		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
887805	Engine chassis: Sensor oil level Signal outside permissible range (Limit 2) no reaction Check oil level for operating range injury. Fix possible mechanical problem	A700		E	1
887806	Engine chassis: Sensor oil level signal implausible Check sensor, wiring, input on control unit	A700		E	1
888300	Engine chassis: Sensor air filter contamination 2 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X1:30/44/58		E	1
888301	Engine chassis: Sensor air filter contamination 2 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:30/44/58		E	1
888302	Engine chassis: Sensor air filter contamination 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:30/44/58		E	1
888303	Engine chassis: Sensor air filter contamination 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:30/44/58		E	1
888304	Engine chassis: Sensor air filter contamination 2 Signal outside permissible range (Limit 1) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A700.X1:30/44/58		E	0
888305	Engine chassis: Sensor air filter contamination 2 Signal outside permissible range (Limit 2) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A700.X1:30/44/58		E	0
888306	Engine chassis: Sensor air filter contamination 2 signal implausible Check sensor, wiring, input on control unit	A700.X1:30/44/58		E	1
888400	Engine chassis: Sensor charge air pr, Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X1:61/47/33		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
888401	Engine chassis: Sensor charge air pr, short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:61/47/3 3		E	1
888402	Engine chassis: Sensor charge air pr, Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:61/47/3 3		E	1
888403	Engine chassis: Sensor charge air pr, Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:61/47/3 3		E	1
888404	Engine chassis: Sensor charge air pr, Signal outside permissible range (Limit 1) no reaction Check charge air pressure sensor 2 for operating range injury. Fix possible mechanical problem	A700.X1:61/47/3 3		E	1
888405	Engine chassis: Sensor charge air pr, Signal outside permissible range (Limit 2) no reaction Check charge air pressure sensor 2 for operating range injury. Fix possible mechanical problem	A700.X1:61/47/3 3		E	1
888406	Engine chassis: Sensor charge air pr, signal implausible Check sensor, wiring, input on control unit	A700.X1:61/47/3 3		E	1
888500	Engine chassis: Sensor oil pr. Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X1:63/49/3 5		E	2
888501	Engine chassis: Sensor oil pr. short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:63/49/3 5		E	2
888502	Engine chassis: Sensor oil pr. Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:63/49/3 5		E	2
888503	Engine chassis: Sensor oil pr. Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:63/49/3 5		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
888504	Engine chassis: Sensor oil pr. Signal outside permissible range (Limit 1) no reaction Check oil pressure for operating range injury. Fix possible mechanical problem	A700.X1:63/49/35		E	0
888505	Engine chassis: Sensor oil pr. Signal outside permissible range (Limit 2) no reaction Check oil pressure for operating range injury. Fix possible mechanical problem	A700.X1:63/49/35		E	0
888506	Engine chassis: Sensor oil pr. signal implausible Check sensor, wiring, input on control unit	A700.X1:63/49/35		E	2
888600	Engine chassis: Sensor fuel pr. Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X1:62/48/34		E	1
888601	Engine chassis: Sensor fuel pr. short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:62/48/34		E	1
888602	Engine chassis: Sensor fuel pr. Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:62/48/34		E	1
888603	Engine chassis: Sensor fuel pr. Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:62/48/34		E	1
888604	Engine chassis: Sensor fuel pr. Signal outside permissible range (Limit 1) no reaction Check medium for fuel pressure injury. Fix possible mechanical problem	A700.X1:62/48/34		E	1
888605	Engine chassis: Sensor fuel pr. Signal outside permissible range (Limit 2) no reaction Check medium for fuel pressure injury. Fix possible mechanical problem	A700.X1:62/48/34		E	1
888606	Engine chassis: Sensor fuel pr. signal implausible Check sensor, wiring, input on control unit	A700.X1:62/48/34		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
888700	Engine chassis: Sensor Air filter contamination Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X2:5/6/7		E	1
888701	Engine chassis: Sensor Air filter contamination short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:5/6/7		E	1
888702	Engine chassis: Sensor Air filter contamination Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:5/6/7		E	1
888703	Engine chassis: Sensor Air filter contamination Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:5/6/7		E	1
888704	Engine chassis: Sensor Air filter contamination Signal outside permissible range (Limit 1) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A700.X2:5/6/7		E	0
888705	Engine chassis: Sensor Air filter contamination Signal outside permissible range (Limit 2) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A700.X2:5/6/7		E	0
888706	Engine chassis: Sensor Air filter contamination signal implausible Check sensor, wiring, input on control unit	A700.X2:5/6/7		E	1
888800	Engine chassis: Common Rail Pr. sensor 1 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X1:60/46/32		E	1
888801	Engine chassis: Common Rail Pr. sensor 1 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:60/46/32		E	1
888802	Engine chassis: Common Rail Pr. sensor 1 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:60/46/32		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
888803	Engine chassis: Common Rail Pr. sensor 1 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:60/46/3 2		E	1
888804	Engine chassis: Common Rail Pr. sensor 1 Signal outside permissible range (Limit 1) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 1 for operating range injury. Fix possible mechanical problem	A700.X1:60/46/3 2		E	1
888805	Engine chassis: Common Rail Pr. sensor 1 Signal outside permissible range (Limit 2) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 1 for operating range injury. Fix possible mechanical problem	A700.X1:60/46/3 2		E	1
888806	Engine chassis: Common Rail Pr. sensor 1 signal implausible Check sensor, wiring, input on control unit	A700.X1:60/46/3 2		E	1
888900	Engine chassis: Common Rail Pr. sensor 2 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700.X1:59/45/3 1		E	1
888901	Engine chassis: Common Rail Pr. sensor 2 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:59/45/3 1		E	1
888902	Engine chassis: Common Rail Pr. sensor 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:59/45/3 1		E	1
888903	Engine chassis: Common Rail Pr. sensor 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:59/45/3 1		E	1
888904	Engine chassis: Common Rail Pr. sensor 2 Signal outside permissible range (Limit 1) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 2 for operating range injury. Fix possible mechanical problem	A700.X1:59/45/3 1		E	1
888905	Engine chassis: Common Rail Pr. sensor 2 Signal outside permissible range (Limit 2) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 2 for operating range injury. Fix possible mechanical problem	A700.X1:59/45/3 1		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
888906	Engine chassis: Common Rail Pr. sensor 2 signal implausible Check sensor, wiring, input on control unit	A700.X1:59/45/31		E	1
889000	Engine chassis: Sensor ambient pr. Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A700		E	1
889001	Engine chassis: Sensor ambient pr. short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700		E	1
889002	Engine chassis: Sensor ambient pr. Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700		E	1
889003	Engine chassis: Sensor ambient pr. Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700		E	1
889004	Engine chassis: Sensor ambient pr. Signal outside permissible range (Limit 1) Check sensor, wiring, input on control unit	A700		E	1
889005	Engine chassis: Sensor ambient pr. Signal outside permissible range (Limit 2) Check sensor, wiring, input on control unit	A700		E	1
889006	Engine chassis: Sensor ambient pr. signal implausible Check sensor, wiring, input on control unit	A700		E	1
889100	Engine chassis: Sensor air filter vacuum pressure status 2 short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700		E	1
889101	Engine chassis: Sensor air filter vacuum pressure status 2 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
889102	Engine chassis: Sensor air filter vacuum pressure status 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700		E	1
889103	Engine chassis: Sensor air filter vacuum pressure status 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700		E	1
889104	Engine chassis: Sensor air filter vacuum pressure status 2 Signal outside permissible range (Limit 1) no reaction Check air filter pressure switch 2 for operating range injury. Fix possible mechanical problem	A700		E	1
889105	Engine chassis: Sensor air filter vacuum pressure status 2 Signal outside permissible range (Limit 2) no reaction Check air filter pressure switch 2 for operating range injury. Fix possible mechanical problem	A700		E	1
889106	Engine chassis: Sensor air filter vacuum pressure status 2 Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700		E	1
889200	Engine chassis: Sensor air filter sub pressure status short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:46/60		E	1
889201	Engine chassis: Sensor air filter sub pressure status short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700.X2:46/60		E	1
889202	Engine chassis: Sensor air filter sub pressure status Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:46/60		E	1
889203	Engine chassis: Sensor air filter sub pressure status Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:46/60		E	1
889204	Engine chassis: Sensor air filter sub pressure status Signal outside permissible range (Limit 1) no reaction Check air filter pressure switch 1 for operating range injury. Fix possible mechanical problem	A700.X2:46/60		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
889205	Engine chassis: Sensor air filter sub pressure status Signal outside permissible range (Limit 2) no reaction Check air filter pressure switch 1 for operating range injury. Fix possible mechanical problem	A700.X2:46/60		E	1
889206	Engine chassis: Sensor air filter sub pressure status Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700.X2:46/60		E	1
889300	Engine chassis: Sensor Water in fuel short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:		E	1
889301	Engine chassis: Sensor Water in fuel short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700.X2:		E	1
889302	Engine chassis: Sensor Water in fuel Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:		E	1
889303	Engine chassis: Sensor Water in fuel Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:		E	1
889304	Engine chassis: Sensor Water in fuel Signal outside permissible range (Limit 1) no reaction Check water level sensor for operating range injury. Fix possible mechanical problem	A700.X2:		E	1
889305	Engine chassis: Sensor Water in fuel Signal outside permissible range (Limit 2) no reaction Check water level sensor for operating range injury. Fix possible mechanical problem	A700.X2:		E	1
889306	Engine chassis: Sensor Water in fuel Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700.X2:		E	1
889400	Engine chassis: Sensor Intercooler-Temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
889401	Engine chassis: Sensor Intercooler-Temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700.X2:		E	1
889402	Engine chassis: Sensor Intercooler-Temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:		E	1
889403	Engine chassis: Sensor Intercooler-Temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:		E	1
889404	Engine chassis: Sensor Intercooler-Temperature Signal outside permissible range (Limit 1) no reaction Check exhaust temperature sensor for operating range injury. Fix possible mechanical problem	A700.X2:		E	1
889405	Engine chassis: Sensor Intercooler-Temperature Signal outside permissible range (Limit 2) no reaction Check exhaust temperature sensor for operating range injury. Fix possible mechanical problem	A700.X2:		E	1
889406	Engine chassis: Sensor Intercooler-Temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700.X2:		E	1
889500	Engine chassis: Oil temperature sensor short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:46/60		E	1
889501	Engine chassis: Oil temperature sensor short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700.X2:46/60		E	1
889502	Engine chassis: Oil temperature sensor Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X2:46/60		E	1
889503	Engine chassis: Oil temperature sensor Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X2:46/60		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
889504	Engine chassis: Oil temperature sensor Signal outside permissible range (Limit 1) no reaction Check oil temperature sensor for operating range injury. Fix possible mechanical problem	A700.X2:46/60		E	1
889505	Engine chassis: Oil temperature sensor Signal outside permissible range (Limit 2) no reaction Check oil temperature sensor for operating range injury. Fix possible mechanical problem	A700.X2:46/60		E	1
889506	Engine chassis: Oil temperature sensor Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700.X2:46/60		E	1
889600	Engine chassis: Sensor fuel temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:38/52		E	1
889601	Engine chassis: Sensor fuel temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700.X1:38/52		E	1
889602	Engine chassis: Sensor fuel temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:38/52		E	1
889603	Engine chassis: Sensor fuel temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:38/52		E	1
889604	Engine chassis: Sensor fuel temperature Signal outside permissible range (Limit 1) Performance reduction Check fuel temperature sensor for operating range injury. Fix possible mechanical problem	A700.X1:38/52		E	1
889605	Engine chassis: Sensor fuel temperature Signal outside permissible range (Limit 2) Performance reduction Check fuel temperature sensor for operating range injury. Fix possible mechanical problem	A700.X1:38/52		E	1
889606	Engine chassis: Sensor fuel temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700.X1:38/52		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
889700	Engine chassis: Sensor charge air temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:		E	1
889701	Engine chassis: Sensor charge air temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700.X1:		E	1
889702	Engine chassis: Sensor charge air temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:		E	1
889703	Engine chassis: Sensor charge air temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:		E	1
889704	Engine chassis: Sensor charge air temperature Signal outside permissible range (Limit 1) Performance reduction Check charge air temperature sensor for operating range injury. Fix possible mechanical problem	A700.X1:		E	0
889705	Engine chassis: Sensor charge air temperature Signal outside permissible range (Limit 2) Performance reduction Check charge air temperature sensor for operating range injury. Fix possible mechanical problem	A700.X1:		E	0
889706	Engine chassis: Sensor charge air temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700.X1:		E	1
889800	Engine chassis: Sensor coolant temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:51/37		E	2
889801	Engine chassis: Sensor coolant temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700.X1:51/37		E	2
889802	Engine chassis: Sensor coolant temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700.X1:51/37		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
889803	Engine chassis: Sensor coolant temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700.X1:51/37		E	2
889804	Engine chassis: Sensor coolant temperature Signal outside permissible range (Limit 1) Performance reduction Check coolant temperature sensor for operating range injury. Fix possible mechanical problem.	A700.X1:51/37		E	0
889805	Engine chassis: Sensor coolant temperature Signal outside permissible range (Limit 2) Performance reduction Check coolant temperature sensor for operating range injury. Fix possible mechanical problem.	A700.X1:51/37		E	0
889806	Engine chassis: Sensor coolant temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700.X1:51/37		E	1
889900	Engine chassis: Sensor internal temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700		E	1
889901	Engine chassis: Sensor internal temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A700		E	1
889902	Engine chassis: Sensor internal temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A700		E	1
889903	Engine chassis: Sensor internal temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A700		E	1
889904	Engine chassis: Sensor internal temperature Signal outside permissible range (Limit 1) no reaction Check internal temperature for operating range injury. Fix possible mechanical problem	A700		E	1
889905	Engine chassis: Sensor internal temperature Signal outside permissible range (Limit 2) no reaction Check internal temperature for operating range injury. Fix possible mechanical problem	A700		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
889906	Engine chassis: Sensor internal temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A700		E	1
890100	Engine uppercarr. Control Travel pedal actuated at selected / active engine brake No acceptance of gases at active engine brake Deactivation of engine brake	A750.X2:34/.X2:48		E	1
890101	Engine uppercarr. Control Travel pedal actuated at support / superstructure operation No acceptance of gases at active support operation Deactivation of support operation	A750.X2:34/.X2:48		E	1
890102	Engine uppercarr. Control Function "bleeding fuel supply" activated (gas pedal) Breather function of fuel pump and lines to engine on active Engine RPM > 800 1/min or turn ignition off / on	A750.X2:34/.X2:48		B	
890400	Engine uppercarr. CAN-Data transfer I/O-Module (ID90x) erroneous/maximum cycle time exceeded Emerg. op.: Momentum and RPM limitation of engine Check cable / plug / I/O-Module(s)	A750.X2:		E	1
890401	Engine uppercarr. CAN-Data transfer Coupling (ID 556) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / coupling module	A750.X2:		E	1
890402	Engine uppercarr. CAN-Data transfer Gear (ID564) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / gear module	A750.X2:		E	1
890403	Engine uppercarr. CAN-Data transfer Gear (ID564) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / gear module	A750.X2:		E	1
890404	Engine uppercarr. CAN-Data transfer Gear (ID668) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / gear module	A750.X2:		E	1
890405	Engine uppercarr. CAN-Data transfer ABV (ID512) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module1	A750.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
890406	Engine uppercarr. CAN-Data transfer ABV (ID513) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module1	A750.X2:		E	1
890407	Engine uppercarr. CAN-Data transfer ABV2 (ID514) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module2	A750.X2:		E	1
890408	Engine uppercarr. CAN-Data transfer ABV2 (ID515) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / ABS/ASR-Module2	A750.X2:		E	1
890409	Engine uppercarr. CAN-Data transfer Retarder (ID 772) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / retarder module	A750.X2:		E	1
890410	Engine uppercarr. CAN-Data transfer WSK (ID 776) erroneous/maximum cycle time exceeded last received value or replacement value Check cable / plug / converter module	A750.X2:		E	1
890411	Engine uppercarr. CAN-Data transfer Overrun of receiving buffer last received value or replacement value Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750.X2:		E	1
890500	Engine uppercarr. CAN-engine control unit Time exceeded request global process view internal error, replace control unit	A750.X2:			
890501	Engine uppercarr. CAN-engine control unit Time exceeded at receipt of complete output data last received value or replacement value Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750.X2:		E	1
890502	Engine uppercarr. CAN-engine control unit Data communication failed / interrupted (Sending timeout) last received value or replacement value Check cable / plug / CAN-participant	A750.X2:		E	1
890503	Engine uppercarr. CAN-engine control unit Data communication interrupted (Passive error) last received value or replacement value Check cable / plug / CAN-participant	A750.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
890504	Engine uppercarr. CAN-engine control unit Data communication interrupted (BusOff) last received value or replacement value Check cable / plug / CAN-participant	A750.X2:		E	1
890600	Engine uppercarr. CAN constr. machinery Time exceeded request global process view Check cable / plug / CAN-participant	A750.X2:		E	1
890601	Engine uppercarr. CAN constr. machinery Time exceeded at receipt of complete output data Check cable / plug / CAN-participant	A750.X2:		E	1
890602	Engine uppercarr. CAN constr. machinery Data communication failed / interrupted (Sending timeout) Check cable / plug / CAN-participant	A750.X2:		E	1
890603	Engine uppercarr. CAN constr. machinery Data communication interrupted (Passive error) Check cable / plug / CAN-participant	A750.X2:		E	1
890604	Engine uppercarr. CAN constr. machinery Data communication interrupted (BusOff) Check cable / plug / CAN-participant	A750.X2:		E	1
890605	Engine uppercarr. CAN constr. machinery Data communication malfunctioning (warning) Check cable / plug / CAN-participant	A750.X2:		E	1
890606	Engine uppercarr. CAN constr. machinery Data communication was malfunctioning (timeout) Check cable / plug / CAN-participant	A750.X2:		E	1
890700	Engine uppercarr. CAN AMET Time exceeded request global process view Check cable / plug / CAN-participant	A750.X2:		E	1
890701	Engine uppercarr. CAN AMET Time exceeded at receipt of complete output data Check cable / plug / CAN-participant	A750.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
890702	Engine uppercarr. CAN AMET Data communication failed / interrupted (Sending timeout) Check cable / plug / CAN-participant	A750.X2:		E	1
890703	Engine uppercarr. CAN AMET Data communication interrupted (Passive error) Check cable / plug / CAN-participant	A750.X2:		E	1
890704	Engine uppercarr. CAN AMET Data communication interrupted (BusOff) Check cable / plug / CAN-participant	A750.X2:		E	1
890705	Engine uppercarr. CAN AMET Data communication malfunctioning (warning) Check cable / plug / CAN-participant	A750.X2:		E	1
890706	Engine uppercarr. CAN AMET Data communication was malfunctioning (timeout) Check cable / plug / CAN-participant	A750.X2:		E	1
890800	Engine uppercarr. CAN-Data transfer Data communication Tachograph problem Change over to plausible speed source Check cable / plug / tachograph	A750.X2:		E	1
890801	Engine uppercarr. CAN-Data transfer Data communication TSC1 problem No Check cable / plug / CAN-participant	A750.X2:		E	1
890802	Engine uppercarr. CAN-Data transfer Data communication failed / interrupted (Sending timeout) Change over to plausible speed source Check cable / plug / CAN-participant	A750.X2:		E	1
890803	Engine uppercarr. CAN-Data transfer Data communication interrupted (Passive error) Change over to plausible speed source Check cable / plug / CAN-participant	A750.X2:		E	1
890804	Engine uppercarr. CAN-Data transfer Data communication interrupted (BusOff) Change over to plausible speed source Check cable / plug / CAN-participant	A750.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
890900	Engine uppercarr. CAN-communication status CAN A - Setting Transfer rate 125 KBaud possible No	A750.X2:		E	1
890901	Engine uppercarr. CAN-communication status CAN A - Setting Transfer rate 250 KBaud possible No	A750.X2:		E	1
890902	Engine uppercarr. CAN-communication status CAN A - Setting Transfer rate 500 KBaud possible No	A750.X2:		E	1
890903	Engine uppercarr. CAN-communication status CAN A - Setting Transfer rate 1 MBaud possible No	A750.X2:		E	1
890904	Engine uppercarr. CAN-communication status CAN B - Setting Transfer rate 125 KBaud possible No	A750.X2:		E	1
890905	Engine uppercarr. CAN-communication status CAN B - Setting Transfer rate 250 KBaud possible No	A750.X2:		E	1
890906	Engine uppercarr. CAN-communication status CAN B - Setting Transfer rate 500 KBaud possible No	A750.X2:		E	1
890907	Engine uppercarr. CAN-communication status CAN B - Setting Transfer rate 1 MBaud possible No	A750.X2:		E	1
890908	Engine uppercarr. CAN-communication status CAN-connection after problem new synchronized No	A750.X2:		E	1
890909	Engine uppercarr. CAN-communication status Transfer error stored on CAN No	A750.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
890910	Engine uppercarr. CAN-communication status CAN-transfer rate not recognized / is detected No	A750.X2:		E	1
890911	Engine uppercarr. CAN-communication status CAN-transfer rate not recognized / is detected No	A750.X2:		E	1
890912	Engine uppercarr. CAN-communication status CAN-transfer rate not recognized / is detected	A750.X2:		E	1
891000	Engine uppercarr. Internal error Stack-overflow Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750		E	2
891001	Engine uppercarr. Internal error Exception Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750		E	2
891002	Engine uppercarr. Internal error Program test Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750		E	2
891003	Engine uppercarr. Internal error RAM-Test Engine cannot be started or engine shut off Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750		E	2
891004	Engine uppercarr. Internal error Overflow in error stack No Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750		E	0
891005	Engine uppercarr. Internal error Comp. time error No Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750		E	2
891006	Engine uppercarr. Internal error Error-Index too large The error cannot be shown Turn ignition of and on; if error not fixable, load new software in MSG or replace control unit	A750		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
891100	Engine uppercarr. Memory error EEPROM Error at EEPROM-access Engine cannot be started or engine shut off Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	2
891101	Engine uppercarr. Memory error EEPROM Check sum via parameter memory is erroneous Engine cannot be started or engine shut off Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	2
891102	Engine uppercarr. Memory error EEPROM Parameter memory in EEPROM is invalid Engine cannot be started or engine shut off Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	2
891103	Engine uppercarr. Memory error EEPROM Check sum via ECU-Page is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	0
891104	Engine uppercarr. Memory error EEPROM Check sum via NMI-Page is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	0
891105	Engine uppercarr. Memory error EEPROM Check sum via Work data-Page is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	0
891106	Engine uppercarr. Memory error EEPROM Check sum via load collective is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	0
891107	Engine uppercarr. Memory error EEPROM Structure size of load collective has changed No Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	0
891108	Engine uppercarr. Memory error EEPROM EEPROM has insufficient memory for load collective free No Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	0
891109	Engine uppercarr. Memory error EEPROM Check sum via permanent data is erroneous No Turn ignition off and on, if error not fixable, replace engine control unites	A750		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
891200	Engine uppercarr. Power supply Supply voltage too low Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug).	A750.X2:		E	1
891201	Engine uppercarr. Power supply Supply voltage too high Engine cannot be started or engine shut off; only communication with diagnostics tool Check power supply (battery, alternator, wiring, plug)	A750.X2:		E	1
891202	Engine uppercarr. Power supply Digital output short circuit after supply voltage Engine shut off; only communication with diagnostics tool Wiring, check engine control unit; replace engine control unit if nec.	A750.X2:		E	1
891203	Engine uppercarr. Power supply Error at release of power outputs Engine shut off; shut off of all digital outlets Wiring, check engine control unit; replace engine control unit if nec.	A750.X2:		E	1
891204	Engine uppercarr. Power supply Current supply PS1 erroneous/missing Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug) in rel. to PS1	A750.X2:		E	1
891205	Engine uppercarr. Power supply Error on 12V-Reference: Voltage too low (<10V) Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug) in rel. to PS1	A750.X2:		E	1
891206	Engine uppercarr. Power supply Error on 12V-Reference: Voltage too high (>14V) Engine cannot be started or engine shut off Check power supply (battery, alternator, wiring, plug) in rel. to PS1	A750.X2:		E	1
891500	Engine uppercarr. Configuration error Fan control The fan control is deactivated. Resulting in maximum vent position New data set, or replace engine control unit	A750		E	1
891501	Engine uppercarr. Configuration error Full load curve (incorrect Offset) The matching of the performance curve is internally limited New data set, or replace engine control unit	A750		E	1
891502	Engine uppercarr. Configuration error Monitoring Travel pedal Pedal unit is not monitored New data set, or replace engine control unit	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
891503	Engine uppercarr. Configuration error Incorrect pump code Injector class 3 is used as replacement value Check pump coding and change (via diagnostics or corr. diagnostics tool)	A750		E	1
891504	Engine uppercarr. Configuration error Assignment error at high pressure sensors Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A750		E	1
891505	Engine uppercarr. Configuration error No high pressure pump active Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A750		E	1
891506	Engine uppercarr. Configuration error Current output for high pressure pump 1 not active Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A750		E	1
891507	Engine uppercarr. Configuration error Current output for high pressure pump 2 not active Emerg. op.: Shut off of CR-High pr. pump New data set, or replace engine control unit	A750		E	1
891900	Engine uppercarr. Speed recording Maximum difference travel speed Tacho<>Gear exceeded The larger speed value is used Check Wiring engine control unit to speed sensor or check speed sensor.	A750		E	1
892000	Engine uppercarr. Alternator Undervoltage at engine start No Check wiring engine control unit to alternator and alternator.	A750.X2:		E	1
892001	Engine uppercarr. Alternator Undervoltage at engine on No Check wiring engine control unit to alternator and alternator.	A750.X2:		E	1
892002	Engine uppercarr. Alternator Undervoltage at engine on No Check wiring engine control unit to alternator and alternator.	A750.X2:		E	1
892003	Engine uppercarr. Alternator Overvoltage at engine on No Check wiring engine control unit to alternator and alternator.	A750.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
892004	Engine uppercarr. Alternator Voltage deviation to supply voltage too low No Check wiring engine control unit to alternator and alternator.	A750.X2:		E	1
892005	Engine uppercarr. Alternator Voltage deviation to supply voltage too high No Check wiring engine control unit to alternator and alternator.	A750.X2:		E	1
892100	Engine uppercarr. Travel pedal No gas switch erroneous Use low value Check wiring engine control unit to travel pedal. Check travel pedal / replace	A750		E	1
892101	Engine uppercarr. Travel pedal maximum signal difference channel 1 and 2 exceeded Use low value Check wiring engine control unit to travel pedal. Check travel pedal / replace	A750		E	1
892800	Engine uppercarr. Exhaust return (AGR2) Short circuit after ground or broken wire External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892801	Engine uppercarr. Exhaust return (AGR2) short circuit to supply voltage External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892802	Engine uppercarr. Exhaust return (AGR2) Hardware error (Transistor defective) External AGR2 is not actuated Check engine control unit	A750.X1:		E	1
892803	Engine uppercarr. Exhaust return (AGR2) Rule deviation negative External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892804	Engine uppercarr. Exhaust return (AGR2) Rule deviation positive External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892805	Engine uppercarr. Exhaust return (AGR2) Logic threshold breach in shut off condition External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
892806	Engine uppercarr. Exhaust return (AGR2) Logic threshold breach (Current less than perm. minimum value) External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892807	Engine uppercarr. Exhaust return (AGR2) Logic threshold breach (Current more than perm. maximum value) External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892811	Engine uppercarr. Exhaust return (AGR2) open without actuation External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892812	Engine uppercarr. Exhaust return (AGR2) closed despite actuation External AGR2 is not actuated Check wiring harness / plug / AGR2 valve / engine control unit	A750.X1:		E	1
892900	Engine uppercarr. Air flap Short circuit after ground or broken wire Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892901	Engine uppercarr. Air flap short circuit to supply voltage Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892902	Engine uppercarr. Air flap Hardware error (Transistor defective) Air vent is not actuated Check engine control unit	A750.X2:12/13		E	1
892903	Engine uppercarr. Air flap Rule deviation negative Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892904	Engine uppercarr. Air flap Rule deviation positive Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892905	Engine uppercarr. Air flap Logic threshold breach in shut off condition Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
892906	Engine uppercarr. Air flap Logic threshold breach (Current less than perm. minimum value) Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892907	Engine uppercarr. Air flap Logic threshold breach (Current more than perm. maximum value) Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892908	Engine uppercarr. Air flap Over current LowSide Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892909	Engine uppercarr. Air flap Over current HighSide Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
892910	Engine uppercarr. Air flap PWM on maximum Air vent is not actuated Check cable harness / plug / air vent / engine control unit	A750.X2:12/13		E	1
893003	Engine uppercarr. High pressure pump 1 Rule deviation negative Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893004	Engine uppercarr. High pressure pump 1 Rule deviation positive Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893005	Engine uppercarr. High pressure pump 1 Current to high in shut off condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893006	Engine uppercarr. High pressure pump 1 Current to low in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893007	Engine uppercarr. High pressure pump 1 Current to high in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893008	Engine uppercarr. High pressure pump 1 UeberCurrent LowSide (ground switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893009	Engine uppercarr. High pressure pump 1 UeberCurrent HighSide (Plus-switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893010	Engine uppercarr. High pressure pump 1 PWM on maximum Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893103	Engine uppercarr. High pressure pump 2 Rule deviation negative Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893104	Engine uppercarr. High pressure pump 2 Rule deviation positive Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893105	Engine uppercarr. High pressure pump 2 Current to high in shut off condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893106	Engine uppercarr. High pressure pump 2 Current to low in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893107	Engine uppercarr. High pressure pump 2 Current to high in actuated condition Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893108	Engine uppercarr. High pressure pump 2 UeberCurrent LowSide (ground switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893109	Engine uppercarr. High pressure pump 2 UeberCurrent HighSide (Plus-switch) Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893110	Engine uppercarr. High pressure pump 2 PWM on maximum Emerg. op.: Shut off of CR-High pr. pump Check cable harness / plug / CR-High pr. pump / engine control unit	A750.X1:		E	1
893200	Engine uppercarr. Starter short circuit to ground Engine start not possible Check cable harness / plug / Starter / engine control unit	A750.X1:29		E	1
893201	Engine uppercarr. Starter short circuit to supply voltage Engine start not possible Check cable harness / plug / Starter / engine control unit	A750.X1:29		E	1
893300	Engine uppercarr. Fan control Short circuit after ground or broken wire The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A750.X2:26/27		E	1
893301	Engine uppercarr. Fan control short circuit to supply voltage The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A750.X2:26/27		E	1
893302	Engine uppercarr. Fan control Hardware error (Transistor defective) The fan control is deactivated. Resulting in maximum vent position Check engine control unit	A750.X2:26/27		E	1
893303	Engine uppercarr. Fan control Rule deviation negative The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A750.X2:26/27		E	1
893304	Engine uppercarr. Fan control Rule deviation positive The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A750.X2:26/27		E	1
893305	Engine uppercarr. Fan control Logic threshold breach in shut off condition The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A750.X2:26/27		E	1
893306	Engine uppercarr. Fan control Logic threshold breach (Current less than perm. minimum value) The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A750.X2:26/27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893307	Engine uppercarr. Fan control Logic threshold breach (Current more than perm. maximum value) The fan control is deactivated. Resulting in maximum vent position Check wiring harness / plug / fan proportional valve / engine control unit	A750.X2:26/27		E	1
893400	Engine uppercarr. Engine brake Short circuit after ground or broken wire Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A750.X2:11		E	1
893401	Engine uppercarr. Engine brake short circuit to supply voltage Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A750.X2:11		E	1
893402	Engine uppercarr. Engine brake Hardware error (Transistor defective) Engine brake flap is not actuated Check engine control unit	A750.X2:11		E	1
893403	Engine uppercarr. Engine brake Rule deviation negative Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A750.X2:11		E	1
893404	Engine uppercarr. Engine brake Rule deviation positive Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A750.X2:11		E	1
893405	Engine uppercarr. Engine brake Logic threshold breach in shut off condition Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A750.X2:11		E	1
893406	Engine uppercarr. Engine brake Logic threshold breach (Current less than perm. minimum value) Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A750.X2:11		E	1
893407	Engine uppercarr. Engine brake Logic threshold breach (Current more than perm. maximum value) Engine brake flap is not actuated Check cable harness / plug / engine brake flap / engine control unit	A750.X2:11		E	1
893500	Engine uppercarr. Heater flange unit 1 Short circuit after ground or broken wire Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893501	Engine uppercarr. Heater flange unit 1 short circuit to supply voltage Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893502	Engine uppercarr. Heater flange unit 1 Hardware error (Transistor defective) Failure of pre- and afterheat phase Check engine control unit	A750.X2:39/64		E	1
893503	Engine uppercarr. Heater flange unit 1 Rule deviation negative Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893504	Engine uppercarr. Heater flange unit 1 Rule deviation positive Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893505	Engine uppercarr. Heater flange unit 1 Logic threshold breach in shut off condition Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893506	Engine uppercarr. Heater flange unit 1 Logic threshold breach (Current less than perm. minimum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893507	Engine uppercarr. Heater flange unit 1 Logic threshold breach (Current more than perm. maximum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893511	Engine uppercarr. Heater flange unit 1 No voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893512	Engine uppercarr. Heater flange unit 1 Voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:39/64		E	1
893600	Engine uppercarr. Heater flange unit 2 Short circuit after ground or broken wire Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893601	Engine uppercarr. Heater flange unit 2 short circuit to supply voltage Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893602	Engine uppercarr. Heater flange unit 2 Hardware error (Transistor defective) Failure of pre- and afterheat phase Check engine control unit	A750.X2:25/65		E	1
893603	Engine uppercarr. Heater flange unit 2 Rule deviation negative Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893604	Engine uppercarr. Heater flange unit 2 Rule deviation positive Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893605	Engine uppercarr. Heater flange unit 2 Logic threshold breach in shut off condition Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893606	Engine uppercarr. Heater flange unit 2 Logic threshold breach (Current less than perm. minimum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893607	Engine uppercarr. Heater flange unit 2 Logic threshold breach (Current more than perm. maximum value) Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893611	Engine uppercarr. Heater flange unit 2 No voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893612	Engine uppercarr. Heater flange unit 2 Voltage on heater element Failure of pre- and afterheat phase Check wiring harness / plug / heater flange or glow plug unit/ ext. relay / engine control unit	A750.X2:25/65		E	1
893700	Engine uppercarr. Solenoid valves Short circuit after ground or broken wire Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A750.X2:25/65		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893701	Engine uppercarr. Solenoid valves short circuit to supply voltage Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A750.X2:25/65		E	1
893702	Engine uppercarr. Solenoid valves Hardware error (Transistor defective) Failure of after heat phase Check engine control unit	A750.X2:25/65		E	1
893703	Engine uppercarr. Solenoid valves Rule deviation negative Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A750.X2:25/65		E	1
893704	Engine uppercarr. Solenoid valves Rule deviation positive Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A750.X2:25/65		E	1
893705	Engine uppercarr. Solenoid valves Logic threshold breach in shut off condition Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A750.X2:25/65		E	1
893706	Engine uppercarr. Solenoid valves Logic threshold breach (Current less than perm. minimum value) Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A750.X2:25/65		E	1
893707	Engine uppercarr. Solenoid valves Logic threshold breach (Current more than perm. maximum value) Failure of after heat phase Check cable harness / plug / solenoid valve flame start system/ engine control unit	A750.X2:25/65		E	1
893800	Engine uppercarr. Turbo charger Short circuit after ground or broken wire Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A750		E	1
893801	Engine uppercarr. Turbo charger short circuit to supply voltage Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A750		E	1
893802	Engine uppercarr. Turbo charger Hardware error (Transistor defective) Turbocharger is not actuated Check engine control unit	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893803	Engine uppercarr. Turbo charger Rule deviation negative Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A750		E	1
893804	Engine uppercarr. Turbo charger Rule deviation positive Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A750		E	1
893805	Engine uppercarr. Turbo charger Logic threshold breach in shut off condition Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A750		E	1
893806	Engine uppercarr. Turbo charger Logic threshold breach (Current less than perm. minimum value) Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A750		E	1
893807	Engine uppercarr. Turbo charger Logic threshold breach (Current more than perm. maximum value) Turbocharger is not actuated Check cable harness / plug / solenoid valve Turbo charger / engine control unit	A750		E	1
893900	Engine uppercarr. Exhaust return (AGR) Short circuit after ground or broken wire External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
893901	Engine uppercarr. Exhaust return (AGR) short circuit to supply voltage External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
893902	Engine uppercarr. Exhaust return (AGR) Hardware error (Transistor defective) External AGR is not actuated Check engine control unit	A750.X1:		E	1
893903	Engine uppercarr. Exhaust return (AGR) Rule deviation negative External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
893904	Engine uppercarr. Exhaust return (AGR) Rule deviation positive External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
893905	Engine uppercarr. Exhaust return (AGR) Logic threshold breach (Current higher than perm. min. value) External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
893906	Engine uppercarr. Exhaust return (AGR) Logic threshold breach (Current less than perm. minimum value) External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
893907	Engine uppercarr. Exhaust return (AGR) Logic threshold breach (Current more than perm. maximum value) External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
893911	Engine uppercarr. Exhaust return (AGR) open without actuation External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
893912	Engine uppercarr. Exhaust return (AGR) closed despite actuation External AGR is not actuated Check cable harness / plug / AGR-valve / engine control unit	A750.X1:		E	1
894000	Engine uppercarr. Emerg. Op. indicator Short circuit after ground or broken wire None Check cable harness / plug / warn. light / engine control unit	A750.X2:42		E	1
894001	Engine uppercarr. Emerg. Op. indicator short circuit to supply voltage None Check cable harness / plug / warn. light / engine control unit	A750.X2:42		E	1
894002	Engine uppercarr. Emerg. Op. indicator Hardware error (Transistor defective) None Check engine control unit	A750.X2:42		E	1
894100	Engine uppercarr. Indicator light preglow / start readiness Short circuit after ground or broken wire None Check cable harness / plug / warn. light / engine control unit	A750.X2:28		E	1
894101	Engine uppercarr. Indicator light preglow / start readiness short circuit to supply voltage None Check cable harness / plug / warn. light / engine control unit	A750.X2:28		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
894102	Engine uppercarr. Indicator light preglow / start readiness Hardware error (Transistor defective) None Check engine control unit	A750.X2:28		E	1
894200	Engine uppercarr. Charge indicator Alternator Short circuit after ground or broken wire None Check cable harness / plug / warn. light / engine control unit	A750.X2:14		E	1
894201	Engine uppercarr. Charge indicator Alternator short circuit to supply voltage None Check cable harness / plug / warn. light / engine control unit	A750.X2:14		E	1
894202	Engine uppercarr. Charge indicator Alternator Hardware error (Transistor defective) None Check engine control unit	A750.X2:14		E	1
894300	Engine uppercarr. fan control 1 (reversible) Short circuit after ground or broken wire	A750.X2:26/27		E	1
894301	Engine uppercarr. fan control 1 (reversible) short circuit to supply voltage	A750.X2:26/27		E	1
894302	Engine uppercarr. fan control 1 (reversible) Hardware error (Transistor defective)	A750.X2:26/27		E	1
894303	Engine uppercarr. fan control 1 (reversible) Rule deviation negative	A750.X2:26/27		E	1
894304	Engine uppercarr. fan control 1 (reversible) Rule deviation positive	A750.X2:26/27		E	1
894305	Engine uppercarr. fan control 1 (reversible) Logic threshold breach in shut off condition	A750.X2:26/27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
894306	Engine uppercarr. fan control 1 (reversible) Logic threshold breach (Current less than perm. minimum value)	A750.X2:26/27		E	1
894307	Engine uppercarr. fan control 1 (reversible) Logic threshold breach (Current more than perm. maximum value)	A750.X2:26/27		E	1
894400	Engine uppercarr. fan control 2 (reversible) Short circuit after ground or broken wire	A750.X2:26/27		E	1
894401	Engine uppercarr. fan control 2 (reversible) short circuit to supply voltage	A750.X2:26/27		E	1
894402	Engine uppercarr. fan control 2 (reversible) Hardware error (Transistor defective)	A750.X2:26/27		E	1
894403	Engine uppercarr. fan control 2 (reversible) Rule deviation negative	A750.X2:26/27		E	1
894404	Engine uppercarr. fan control 2 (reversible) Rule deviation positive	A750.X2:26/27		E	1
894405	Engine uppercarr. fan control 2 (reversible) Logic threshold breach in shut off condition	A750.X2:26/27		E	1
894406	Engine uppercarr. fan control 2 (reversible) Logic threshold breach (Current less than perm. minimum value)	A750.X2:26/27		E	1
894407	Engine uppercarr. fan control 2 (reversible) Logic threshold breach (Current more than perm. maximum value)	A750.X2:26/27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
894500	Engine uppercarr. Rail pressure system Pressure relief valve 1 open High pressure regulation emergency operation activated Test Rail circuit 1	A750.X1:9/X1:10		E	1
894501	Engine uppercarr. Rail pressure system Pressure relief valve 2 open High pressure regulation emergency operation activated Test Rail circuit 2	A750.X1:11/X1:12		E	1
894502	Engine uppercarr. Rail pressure system Emergency operation high pressure regulation active Power reduction, high pressure pump control turned off Test Rail circuit 1/2 / wiring harness / plug	A750		E	1
894503	Engine uppercarr. Rail pressure system Pressure difference between high pressure sensor 1 and 2 No reaction on engine, the higher sensor value is used Test wiring harness/ plug / rail pressure sensors / rail circuit 1/2	A750		E	1
894504	Engine uppercarr. Rail pressure system Regulation deviation in CR-regulating circuit 1 None Test Rail circuit 1	A750		E	1
894505	Engine uppercarr. Rail pressure system Regulation deviation in CR-regulating circuit 2 None Test Rail circuit 2	A750		E	1
894900	Engine uppercarr. RPM signal output Short circuit after ground or broken wire No Check wiring harness / plug / connected modules	A750		E	1
894901	Engine uppercarr. RPM signal output short circuit to supply voltage No Check wiring harness / plug / connected modules	A750		E	1
895000	Engine uppercarr. Cylinder A1 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:22/8		E	2
895001	Engine uppercarr. Cylinder A1 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:22/8		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
895002	Engine uppercarr. Cylinder A1 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:22/8		E	2
895003	Engine uppercarr. Cylinder A1 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:22/8		E	2
895005	Engine uppercarr. Cylinder A1 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:22/8		E	
895006	Engine uppercarr. Cylinder A1 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:22/8		E	0
895007	Engine uppercarr. Cylinder A1 No increase time measured No Replace engine control unit	A750.X1:22/8		E	2
895008	Engine uppercarr. Cylinder A1 Increase time too large No New data set, or replace engine control unit	A750.X1:22/8		E	
895100	Engine uppercarr. Cylinder A2 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:21/7		E	2
895101	Engine uppercarr. Cylinder A2 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:21/7		E	2
895102	Engine uppercarr. Cylinder A2 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:21/7		E	2
895103	Engine uppercarr. Cylinder A2 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:21/7		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
895104	Engine uppercarr. Cylinder A2 No fly time measured No Replace engine control unit	A750.X1:21/7		E	2
895105	Engine uppercarr. Cylinder A2 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:21/7		E	
895106	Engine uppercarr. Cylinder A2 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:21/7		E	0
895107	Engine uppercarr. Cylinder A2 No increase time measured No Replace engine control unit	A750.X1:21/7		E	2
895108	Engine uppercarr. Cylinder A2 Increase time too large No New data set, or replace engine control unit	A750.X1:21/7		E	
895200	Engine uppercarr. Cylinder A3 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:20/6		E	2
895201	Engine uppercarr. Cylinder A3 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:20/6		E	2
895202	Engine uppercarr. Cylinder A3 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:20/6		E	2
895203	Engine uppercarr. Cylinder A3 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:20/6		E	2
895204	Engine uppercarr. Cylinder A3 No fly time measured No Replace engine control unit	A750.X1:20/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
895205	Engine uppercarr. Cylinder A3 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:20/6		E	
895206	Engine uppercarr. Cylinder A3 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:20/6		E	0
895207	Engine uppercarr. Cylinder A3 No increase time measured No Replace engine control unit	A750.X1:20/6		E	2
895208	Engine uppercarr. Cylinder A3 Increase time too large No New data set, or replace engine control unit	A750.X1:20/6		E	
895300	Engine uppercarr. Cylinder A4 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:19/5		E	2
895301	Engine uppercarr. Cylinder A4 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:19/5		E	2
895302	Engine uppercarr. Cylinder A4 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:19/5		E	2
895303	Engine uppercarr. Cylinder A4 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:19/5		E	2
895304	Engine uppercarr. Cylinder A4 No fly time measured No Replace engine control unit	A750.X1:19/5		E	2
895305	Engine uppercarr. Cylinder A4 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:19/5		E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
895306	Engine uppercarr. Cylinder A4 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:19/5		E	0
895307	Engine uppercarr. Cylinder A4 No increase time measured No Replace engine control unit	A750.X1:19/5		E	2
895308	Engine uppercarr. Cylinder A4 Increase time too large No New data set, or replace engine control unit	A750.X1:19/5		E	
895800	Engine uppercarr. Cylinder B1 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:18/4		E	2
895801	Engine uppercarr. Cylinder B1 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:18/4		E	2
895802	Engine uppercarr. Cylinder B1 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:18/4		E	2
895803	Engine uppercarr. Cylinder B1 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:18/4		E	2
895804	Engine uppercarr. Cylinder B1 No fly time measured No Replace engine control unit	A750.X1:18/4		E	2
895805	Engine uppercarr. Cylinder B1 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:18/4		E	
895806	Engine uppercarr. Cylinder B1 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:18/4		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
895807	Engine uppercarr. Cylinder B1 No increase time measured No Replace engine control unit	A750.X1:18/4		E	2
895808	Engine uppercarr. Cylinder B1 Increase time too large No New data set, or replace engine control unit	A750.X1:18/4		E	
895900	Engine uppercarr. Cylinder B2 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:17/3		E	2
895901	Engine uppercarr. Cylinder B2 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:17/3		E	2
895902	Engine uppercarr. Cylinder B2 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:17/3		E	2
895903	Engine uppercarr. Cylinder B2 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:17/3		E	2
895904	Engine uppercarr. Cylinder B2 No fly time measured No Replace engine control unit	A750.X1:17/3		E	2
895905	Engine uppercarr. Cylinder B2 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:17/3		E	
895906	Engine uppercarr. Cylinder B2 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:17/3		E	0
895907	Engine uppercarr. Cylinder B2 No increase time measured No Replace engine control unit	A750.X1:17/3		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
895908	Engine uppercarr. Cylinder B2 Increase time too large No New data set, or replace engine control unit	A750.X1:17/3		E	
896000	Engine uppercarr. Cylinder B3 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:16/2		E	2
896001	Engine uppercarr. Cylinder B3 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:16/2		E	2
896002	Engine uppercarr. Cylinder B3 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:16/2		E	2
896003	Engine uppercarr. Cylinder B3 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:16/2		E	2
896004	Engine uppercarr. Cylinder B3 No fly time measured No Replace engine control unit	A750.X1:16/2		E	2
896005	Engine uppercarr. Cylinder B3 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:16/2		E	
896006	Engine uppercarr. Cylinder B3 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:16/2		E	0
896007	Engine uppercarr. Cylinder B3 No increase time measured No Replace engine control unit	A750.X1:16/2		E	2
896008	Engine uppercarr. Cylinder B3 Increase time too large No New data set, or replace engine control unit	A750.X1:16/2		E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
896100	Engine uppercarr. Cylinder B4 Current back test erroneous or broken wire No Check cable / plug / solenoid valve / engine control unit	A750.X1:15/1		E	2
896101	Engine uppercarr. Cylinder B4 UeberCurrent LowSide (ground switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:15/1		E	2
896102	Engine uppercarr. Cylinder B4 UeberCurrent HighSide (Plus switch) No Check cable / plug / solenoid valve / engine control unit	A750.X1:15/1		E	2
896103	Engine uppercarr. Cylinder B4 Overcurent HighSide (free wheel) No Check cable / plug / solenoid valve / engine control unit	A750.X1:15/1		E	2
896104	Engine uppercarr. Cylinder B4 No fly time measured No Replace engine control unit	A750.X1:15/1		E	2
896105	Engine uppercarr. Cylinder B4 Fly time too small No Check cable / plug / solenoid valve / engine control unit	A750.X1:15/1		E	
896106	Engine uppercarr. Cylinder B4 Fly time too large No Check cable / plug / solenoid valve / engine control unit	A750.X1:15/1		E	0
896107	Engine uppercarr. Cylinder B4 No increase time measured No Replace engine control unit	A750.X1:15/1		E	2
896108	Engine uppercarr. Cylinder B4 Increase time too large No New data set, or replace engine control unit	A750.X1:15/1		E	
896900	Engine uppercarr. Injection system Cylinder error Engine shut off Check cable / plug / solenoid valve / engine control unit	A750		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
896901	Engine uppercarr. Injection system Overlap of injection on bank A Engine shut off New data set, or replace engine control unit	A750		E	2
896902	Engine uppercarr. Injection system Overlap of injection on bank B Engine shut off New data set, or replace engine control unit	A750		E	2
896903	Engine uppercarr. Injection system Short circuit Plus switch after ground on bank A No Check cable / plug / solenoid valve / engine control unit	A750		E	2
896904	Engine uppercarr. Injection system Short circuit Plus switch after ground on bank B No Check cable / plug / solenoid valve / engine control unit	A750		E	2
896905	Engine uppercarr. Injection system Short circuit Plus switch after supply voltage on bank A No Check cable / plug / solenoid valve / engine control unit	A750		E	2
896906	Engine uppercarr. Injection system Short circuit Plus switch after supply voltage on bank B No Check cable / plug / solenoid valve / engine control unit	A750		E	2
896907	Engine uppercarr. Injection system Short circuit Ground switch after ground on bank A at CR-Motor occurs shut off of bank A Check cable / plug / solenoid valve / engine control unit	A750		E	2
896908	Engine uppercarr. Injection system Short circuit Ground switch after ground on bank B at CR-Motor occurs shut off of bank B Check cable / plug / solenoid valve / engine control unit	A750		E	2
896909	Engine uppercarr. Injection system Short circuit Ground switch after supply voltage on bank A No Check cable / plug / solenoid valve / engine control unit	A750		E	2
896910	Engine uppercarr. Injection system Short circuit Ground switch after supply voltage on bank B No Check cable / plug / solenoid valve / engine control unit	A750		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
897000	Engine uppercarr. Overspeed RPM sensor 1 Warning threshold exceeded None Check engine op. (excess. speed due to push op.); engine control unit	A750		E	1
897001	Engine uppercarr. Overspeed RPM sensor 2 Warning threshold exceeded None Check engine op. (excess. speed due to push op.); engine control unit	A750		E	1
897002	Engine uppercarr. Overspeed RPM sensor 1 Safety threshold exceeded Engine shut off Check engine op. (excess. speed due to push op.); engine control unit	A750		E	1
897003	Engine uppercarr. Overspeed RPM sensor 2 Safety threshold exceeded Engine shut off Check engine op. (excess. speed due to push op.); engine control unit	A750		E	1
897100	Engine uppercarr. Synchronization defective Engine start not possible Turn ign. on / off; check RPM and phase sensor	A750		E	1
897101	Engine uppercarr. Synchronization incorrect distance gap<>Phase sensor Engine start not possible Turn ign. on / off; check RPM and phase sensor	A750		E	1
897102	Engine uppercarr. Synchronization Tooth number not correct Engine start not possible Turn ign. on / off; check RPM sensor	A750		E	1
897103	Engine uppercarr. Synchronization not possible, RPM is too low Engine start not possible Turn ign. on / off; check RPM and phase sensor	A750		E	1
897104	Engine uppercarr. Synchronization Index counter camshaft gear erroneous Engine start not possible Turn ign. on / off; check RPM and phase sensor	A750		E	1
897200	Engine uppercarr. RPM sensor 1 failed Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check: distance of RPM sensor to flywheel (0.5-2.0 mm); Wiring to RPM sensor; RPM sensor	A750.X1:69/55/41		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
897201	Engine uppercarr. RPM sensor 1 does not start Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check: distance of RPM sensor to flywheel (0.5-2.0 mm); Wiring to RPM sensor; RPM sensor	A750.X1:69/55/41		E	1
897202	Engine uppercarr. RPM sensor 1 impermissible signal difference (Gradient breach) Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A750.X1:69/55/41		E	1
897203	Engine uppercarr. RPM sensor 1 Frequency too high Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A750.X1:69/55/41		E	1
897204	Engine uppercarr. RPM sensor 1 poled Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check RPM sensor inst., engine control unit.	A750.X1:69/55/41		E	1
897205	Engine uppercarr. RPM sensor 1 Value implausible/erroneous Emergency shut off at simultaneous failure of redundant sensor 2. Otherwise RPM registration via redundant sensor Check RPM sensor inst., engine control unit.	A750.X1:69/55/41		E	1
897300	Engine uppercarr. RPM sensor 2 failed Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Check: distance of RPM sensor to flywheel (0.5-2.0 mm); Wiring to RPM sensor; RPM sensor	A750.X1:68/54/40		E	1
897302	Engine uppercarr. RPM sensor 2 impermissible signal difference (Gradient breach) Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A750.X1:68/54/40		E	1
897303	Engine uppercarr. RPM sensor 2 Frequency too high Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Test from: distance of RPM sensor to flywheel; flywheel, wiring to RPM sensor; RPM sensor	A750.X1:68/54/40		E	1
897304	Engine uppercarr. RPM sensor 2 poled Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Check RPM sensor inst., engine control unit.	A750.X1:68/54/40		E	1
897305	Engine uppercarr. RPM sensor 2 Value implausible/erroneous Emergency shut off at simultaneous failure of redundant sensor 1. otherwise RPM registration via redundant sensor. Check RPM sensor inst., engine control unit.	A750.X1:68/54/40		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
897400	Engine uppercarr. Sensor Position camshaft failed Engine start, dep. on configuration, not possible. No effect with engine running Check distance of phase sensor to camshaft gear (0.5-2.0 mm); wiring to phase sensor, phase sensor	A750.X1:70/56/42		E	1
897404	Engine uppercarr. Sensor Position camshaft poled Engine start, dep. on configuration, not possible. No effect with engine running Check: Phase sensor installation, engine control unit	A750.X1:70/56/42		E	1
897405	Engine uppercarr. Sensor Position camshaft Value implausible/erroneous Emergency shut off at simultaneous failure of redundant sensor (1 or 2). Otherwise RPM reg. via red. sensor Check: Phase sensor installation, engine control unit	A750.X1:70/56/42		E	1
897500	Engine uppercarr. Travel pedal channel 1 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X2:33/34/35		E	1
897501	Engine uppercarr. Travel pedal channel 1 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:33/34/35		E	1
897502	Engine uppercarr. Travel pedal channel 1 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:33/34/35		E	1
897503	Engine uppercarr. Travel pedal channel 1 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:33/34/35		E	1
897504	Engine uppercarr. Travel pedal channel 1 Signal outside permissible range (Limit 1) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 1 for operating range injury. Fix possible mechanical problem	A750.X2:33/34/35		E	1
897505	Engine uppercarr. Travel pedal channel 1 Signal outside permissible range (Limit 2) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 1 for operating range injury. Fix possible mechanical problem	A750.X2:33/34/35		E	1
897506	Engine uppercarr. Travel pedal channel 1 signal implausible Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A750.X2:33/34/35		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
897600	Engine uppercarr. Travel pedal channel 2 Short circuit after ground or line interruption Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A750.X2:47/48/49		E	1
897602	Engine uppercarr. Travel pedal channel 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:47/48/49		E	1
897603	Engine uppercarr. Travel pedal channel 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:47/48/49		E	1
897604	Engine uppercarr. Travel pedal channel 2 Signal outside permissible range (Limit 1) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A750.X2:47/48/49		E	1
897605	Engine uppercarr. Travel pedal channel 2 Signal outside permissible range (Limit 2) remains in low idle when both travel pedal sensors have failed Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A750.X2:47/48/49		E	1
897606	Engine uppercarr. Travel pedal channel 2 signal implausible Check travel pedal sensor 2 for operating range injury. Fix possible mechanical problem	A750.X2:47/48/49		E	1
897700	Engine uppercarr. Sensor coolant level Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X2:19/20/21		E	2
897701	Engine uppercarr. Sensor coolant level short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:19/20/21		E	2
897702	Engine uppercarr. Sensor coolant level Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:19/20/21		E	2
897703	Engine uppercarr. Sensor coolant level Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:19/20/21		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
897704	Engine uppercarr. Sensor coolant level Signal outside permissible range (Limit 1) no reaction Check coolant level for operating range injury. Fix possible mechanical problem	A750.X2:19/20/21		E	0
897705	Engine uppercarr. Sensor coolant level Signal outside permissible range (Limit 2) no reaction Check coolant level for operating range injury. Fix possible mechanical problem	A750.X2:19/20/21		E	0
897706	Engine uppercarr. Sensor coolant level signal implausible Check sensor, wiring, input on control unit	A750.X2:19/20/21		E	2
897800	Engine uppercarr. Sensor oil level Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750		E	1
897801	Engine uppercarr. Sensor oil level short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750		E	1
897802	Engine uppercarr. Sensor oil level Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750		E	1
897803	Engine uppercarr. Sensor oil level Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750		E	1
897804	Engine uppercarr. Sensor oil level Signal outside permissible range (Limit 1) no reaction Check oil level for operating range injury. Fix possible mechanical problem	A750		E	1
897805	Engine uppercarr. Sensor oil level Signal outside permissible range (Limit 2) no reaction Check oil level for operating range injury. Fix possible mechanical problem	A750		E	1
897806	Engine uppercarr. Sensor oil level signal implausible Check sensor, wiring, input on control unit	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
898300	Engine uppercarr. Sensor air filter contamination 2 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X1:30/44/58		E	1
898301	Engine uppercarr. Sensor air filter contamination 2 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:30/44/58		E	1
898302	Engine uppercarr. Sensor air filter contamination 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:30/44/58		E	1
898303	Engine uppercarr. Sensor air filter contamination 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:30/44/58		E	1
898304	Engine uppercarr. Sensor air filter contamination 2 Signal outside permissible range (Limit 1) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A750.X1:30/44/58		E	0
898305	Engine uppercarr. Sensor air filter contamination 2 Signal outside permissible range (Limit 2) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A750.X1:30/44/58		E	0
898306	Engine uppercarr. Sensor air filter contamination 2 signal implausible Check sensor, wiring, input on control unit	A750.X1:30/44/58		E	1
898400	Engine uppercarr. Sensor charge air pr, Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X1:61/47/33		E	1
898401	Engine uppercarr. Sensor charge air pr, short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:61/47/33		E	1
898402	Engine uppercarr. Sensor charge air pr, Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:61/47/33		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
898403	Engine uppercarr. Sensor charge air pr, Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:61/47/3 3		E	1
898404	Engine uppercarr. Sensor charge air pr, Signal outside permissible range (Limit 1) no reaction Check charge air pressure sensor 2 for operating range injury. Fix possible mechanical problem	A750.X1:61/47/3 3		E	1
898405	Engine uppercarr. Sensor charge air pr, Signal outside permissible range (Limit 2) no reaction Check charge air pressure sensor 2 for operating range injury. Fix possible mechanical problem	A750.X1:61/47/3 3		E	1
898406	Engine uppercarr. Sensor charge air pr, signal implausible Check sensor, wiring, input on control unit	A750.X1:61/47/3 3		E	1
898500	Engine uppercarr. Sensor oil pr. Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X1:63/49/3 5		E	2
898501	Engine uppercarr. Sensor oil pr. short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:63/49/3 5		E	2
898502	Engine uppercarr. Sensor oil pr. Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:63/49/3 5		E	2
898503	Engine uppercarr. Sensor oil pr. Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:63/49/3 5		E	2
898504	Engine uppercarr. Sensor oil pr. Signal outside permissible range (Limit 1) no reaction Check oil pressure for operating range injury. Fix possible mechanical problem	A750.X1:63/49/3 5		E	0
898505	Engine uppercarr. Sensor oil pr. Signal outside permissible range (Limit 2) no reaction Check oil pressure for operating range injury. Fix possible mechanical problem	A750.X1:63/49/3 5		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
898506	Engine uppercarr. Sensor oil pr. signal implausible Check sensor, wiring, input on control unit	A750.X1:63/49/35		E	2
898600	Engine uppercarr. Sensor fuel pr. Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X1:62/48/34		E	1
898601	Engine uppercarr. Sensor fuel pr. short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:62/48/34		E	1
898602	Engine uppercarr. Sensor fuel pr. Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:62/48/34		E	1
898603	Engine uppercarr. Sensor fuel pr. Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:62/48/34		E	1
898604	Engine uppercarr. Sensor fuel pr. Signal outside permissible range (Limit 1) no reaction Check medium for fuel pressure injury. Fix possible mechanical problem	A750.X1:62/48/34		E	1
898605	Engine uppercarr. Sensor fuel pr. Signal outside permissible range (Limit 2) no reaction Check medium for fuel pressure injury. Fix possible mechanical problem	A750.X1:62/48/34		E	1
898606	Engine uppercarr. Sensor fuel pr. signal implausible Check sensor, wiring, input on control unit	A750.X1:62/48/34		E	1
898700	Engine uppercarr. Sensor Air filter contamination Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X2:5/6/7		E	1
898701	Engine uppercarr. Sensor Air filter contamination short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:5/6/7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
898702	Engine uppercarr. Sensor Air filter contamination Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:5/6/7		E	1
898703	Engine uppercarr. Sensor Air filter contamination Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:5/6/7		E	1
898704	Engine uppercarr. Sensor Air filter contamination Signal outside permissible range (Limit 1) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A750.X2:5/6/7		E	0
898705	Engine uppercarr. Sensor Air filter contamination Signal outside permissible range (Limit 2) no reaction Check air filter pressure sensor 1 for operating range injury. Fix possible mechanical problem	A750.X2:5/6/7		E	0
898706	Engine uppercarr. Sensor Air filter contamination signal implausible Check sensor, wiring, input on control unit	A750.X2:5/6/7		E	1
898800	Engine uppercarr. Common Rail Pr. sensor 1 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X1:60/46/32		E	1
898801	Engine uppercarr. Common Rail Pr. sensor 1 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:60/46/32		E	1
898802	Engine uppercarr. Common Rail Pr. sensor 1 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:60/46/32		E	1
898803	Engine uppercarr. Common Rail Pr. sensor 1 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:60/46/32		E	1
898804	Engine uppercarr. Common Rail Pr. sensor 1 Signal outside permissible range (Limit 1) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 1 for operating range injury. Fix possible mechanical problem	A750.X1:60/46/32		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
898805	Engine uppercarr. Common Rail Pr. sensor 1 Signal outside permissible range (Limit 2) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 1 for operating range injury. Fix possible mechanical problem	A750.X1:60/46/32		E	1
898806	Engine uppercarr. Common Rail Pr. sensor 1 signal implausible Check sensor, wiring, input on control unit	A750.X1:60/46/32		E	1
898900	Engine uppercarr. Common Rail Pr. sensor 2 Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750.X1:59/45/31		E	1
898901	Engine uppercarr. Common Rail Pr. sensor 2 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:59/45/31		E	1
898902	Engine uppercarr. Common Rail Pr. sensor 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:59/45/31		E	1
898903	Engine uppercarr. Common Rail Pr. sensor 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:59/45/31		E	1
898904	Engine uppercarr. Common Rail Pr. sensor 2 Signal outside permissible range (Limit 1) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 2 for operating range injury. Fix possible mechanical problem	A750.X1:59/45/31		E	1
898905	Engine uppercarr. Common Rail Pr. sensor 2 Signal outside permissible range (Limit 2) Performance reduction at failure of both common rail pressure sensors, otherwise no reaction Check Common rail pressure sensor 2 for operating range injury. Fix possible mechanical problem	A750.X1:59/45/31		E	1
898906	Engine uppercarr. Common Rail Pr. sensor 2 signal implausible Check sensor, wiring, input on control unit	A750.X1:59/45/31		E	1
899000	Engine uppercarr. Sensor ambient pr. Short circuit after ground or line interruption Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground or broken cable)	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
899001	Engine uppercarr. Sensor ambient pr. short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750		E	1
899002	Engine uppercarr. Sensor ambient pr. Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750		E	1
899003	Engine uppercarr. Sensor ambient pr. Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750		E	1
899004	Engine uppercarr. Sensor ambient pr. Signal outside permissible range (Limit 1) Check sensor, wiring, input on control unit	A750		E	1
899005	Engine uppercarr. Sensor ambient pr. Signal outside permissible range (Limit 2) Check sensor, wiring, input on control unit	A750		E	1
899006	Engine uppercarr. Sensor ambient pr. signal implausible Check sensor, wiring, input on control unit	A750		E	1
899100	Engine uppercarr. Sensor air filter vacuum pressure status 2 short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750		E	1
899101	Engine uppercarr. Sensor air filter vacuum pressure status 2 short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750		E	1
899102	Engine uppercarr. Sensor air filter vacuum pressure status 2 Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750		E	1
899103	Engine uppercarr. Sensor air filter vacuum pressure status 2 Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
899104	Engine uppercarr. Sensor air filter vacuum pressure status 2 Signal outside permissible range (Limit 1) no reaction Check air filter pressure switch 2 for operating range injury. Fix possible mechanical problem	A750		E	1
899105	Engine uppercarr. Sensor air filter vacuum pressure status 2 Signal outside permissible range (Limit 2) no reaction Check air filter pressure switch 2 for operating range injury. Fix possible mechanical problem	A750		E	1
899106	Engine uppercarr. Sensor air filter vacuum pressure status 2 Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750		E	1
899200	Engine uppercarr. Sensor air filter sub pressure status short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:46/60		E	1
899201	Engine uppercarr. Sensor air filter sub pressure status short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750.X2:46/60		E	1
899202	Engine uppercarr. Sensor air filter sub pressure status Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:46/60		E	1
899203	Engine uppercarr. Sensor air filter sub pressure status Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:46/60		E	1
899204	Engine uppercarr. Sensor air filter sub pressure status Signal outside permissible range (Limit 1) no reaction Check air filter pressure switch 1 for operating range injury. Fix possible mechanical problem	A750.X2:46/60		E	1
899205	Engine uppercarr. Sensor air filter sub pressure status Signal outside permissible range (Limit 2) no reaction Check air filter pressure switch 1 for operating range injury. Fix possible mechanical problem	A750.X2:46/60		E	1
899206	Engine uppercarr. Sensor air filter sub pressure status Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750.X2:46/60		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
899300	Engine uppercarr. Sensor Water in fuel short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:		E	1
899301	Engine uppercarr. Sensor Water in fuel short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750.X2:		E	1
899302	Engine uppercarr. Sensor Water in fuel Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:		E	1
899303	Engine uppercarr. Sensor Water in fuel Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:		E	1
899304	Engine uppercarr. Sensor Water in fuel Signal outside permissible range (Limit 1) no reaction Check water level sensor for operating range injury. Fix possible mechanical problem	A750.X2:		E	1
899305	Engine uppercarr. Sensor Water in fuel Signal outside permissible range (Limit 2) no reaction Check water level sensor for operating range injury. Fix possible mechanical problem	A750.X2:		E	1
899306	Engine uppercarr. Sensor Water in fuel Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750.X2:		E	1
899400	Engine uppercarr. Sensor Intercooler-Temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:		E	1
899401	Engine uppercarr. Sensor Intercooler-Temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750.X2:		E	1
899402	Engine uppercarr. Sensor Intercooler-Temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
899403	Engine uppercarr. Sensor Intercooler-Temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:		E	1
899404	Engine uppercarr. Sensor Intercooler-Temperature Signal outside permissible range (Limit 1) no reaction Check exhaust temperature sensor for operating range injury. Fix possible mechanical problem	A750.X2:		E	1
899405	Engine uppercarr. Sensor Intercooler-Temperature Signal outside permissible range (Limit 2) no reaction Check exhaust temperature sensor for operating range injury. Fix possible mechanical problem	A750.X2:		E	1
899406	Engine uppercarr. Sensor Intercooler-Temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750.X2:		E	1
899500	Engine uppercarr. Oil temperature sensor short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:46/60		E	1
899501	Engine uppercarr. Oil temperature sensor short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750.X2:46/60		E	1
899502	Engine uppercarr. Oil temperature sensor Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X2:46/60		E	1
899503	Engine uppercarr. Oil temperature sensor Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X2:46/60		E	1
899504	Engine uppercarr. Oil temperature sensor Signal outside permissible range (Limit 1) no reaction Check oil temperature sensor for operating range injury. Fix possible mechanical problem	A750.X2:46/60		E	1
899505	Engine uppercarr. Oil temperature sensor Signal outside permissible range (Limit 2) no reaction Check oil temperature sensor for operating range injury. Fix possible mechanical problem	A750.X2:46/60		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
899506	Engine uppercarr. Oil temperature sensor Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750.X2:46/60		E	1
899600	Engine uppercarr. Sensor fuel temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:38/52		E	1
899601	Engine uppercarr. Sensor fuel temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750.X1:38/52		E	1
899602	Engine uppercarr. Sensor fuel temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:38/52		E	1
899603	Engine uppercarr. Sensor fuel temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:38/52		E	1
899604	Engine uppercarr. Sensor fuel temperature Signal outside permissible range (Limit 1) Performance reduction Check fuel temperature sensor for operating range injury. Fix possible mechanical problem	A750.X1:38/52		E	1
899605	Engine uppercarr. Sensor fuel temperature Signal outside permissible range (Limit 2) Performance reduction Check fuel temperature sensor for operating range injury. Fix possible mechanical problem	A750.X1:38/52		E	1
899606	Engine uppercarr. Sensor fuel temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750.X1:38/52		E	1
899700	Engine uppercarr. Sensor charge air temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:		E	1
899701	Engine uppercarr. Sensor charge air temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750.X1:		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
899702	Engine uppercarr. Sensor charge air temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:		E	1
899703	Engine uppercarr. Sensor charge air temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:		E	1
899704	Engine uppercarr. Sensor charge air temperature Signal outside permissible range (Limit 1) Performance reduction Check charge air temperature sensor for operating range injury. Fix possible mechanical problem	A750.X1:		E	0
899705	Engine uppercarr. Sensor charge air temperature Signal outside permissible range (Limit 2) Performance reduction Check charge air temperature sensor for operating range injury. Fix possible mechanical problem	A750.X1:		E	0
899706	Engine uppercarr. Sensor charge air temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750.X1:		E	1
899800	Engine uppercarr. Sensor coolant temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:51/37		E	2
899801	Engine uppercarr. Sensor coolant temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750.X1:51/37		E	2
899802	Engine uppercarr. Sensor coolant temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750.X1:51/37		E	2
899803	Engine uppercarr. Sensor coolant temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750.X1:51/37		E	2
899804	Engine uppercarr. Sensor coolant temperature Signal outside permissible range (Limit 1) Performance reduction Check coolant temperature sensor for operating range injury. Fix possible mechanical problem.	A750.X1:51/37		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
899805	Engine uppercarr. Sensor coolant temperature Signal outside permissible range (Limit 2) Performance reduction Check coolant temperature sensor for operating range injury. Fix possible mechanical problem.	A750.X1:51/37		E	0
899806	Engine uppercarr. Sensor coolant temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750.X1:51/37		E	1
899900	Engine uppercarr. Sensor internal temperature short circuit to ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750		E	1
899901	Engine uppercarr. Sensor internal temperature short circuit to supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Test wiring engine control unit / sensor (short circuit after battery voltage or broken wire)	A750		E	1
899902	Engine uppercarr. Sensor internal temperature Supply voltage Short circuit after ground Sensor default value is used. Error disappears, if test values are again in defined range Check wiring engine control unit/Sensor (Short circuit after ground)	A750		E	1
899903	Engine uppercarr. Sensor internal temperature Supply voltage Short circuit after supply voltage Sensor default value is used. Error disappears, if test values are again in defined range Check wiring of engine control unit/Sensor (Short circuit after battery voltage)	A750		E	1
899904	Engine uppercarr. Sensor internal temperature Signal outside permissible range (Limit 1) no reaction Check internal temperature for operating range injury. Fix possible mechanical problem	A750		E	1
899905	Engine uppercarr. Sensor internal temperature Signal outside permissible range (Limit 2) no reaction Check internal temperature for operating range injury. Fix possible mechanical problem	A750		E	1
899906	Engine uppercarr. Sensor internal temperature Test value not plausible at Motor off Check sensor, wiring, input on control unit	A750		E	1
930106	engine V8: control device engine Data communication CAN faulty / interrupted emergency operation check cable/plugs for shorts	X275:1/4/7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
930107	engine V8: control device engine Data communication CAN cancelled emergency operation check cable/plugs for UB- or shorts to ground	X275:1/4/7		E	1
930208	engine V8: CAN-participant ABV (ABS/ASR) Data transfer faulty/missing, max. cycle time exceeded limited function check cable/plugs/ABS-/ASR-electronics	X275:1/4/7		E	1
930308	engine V8: CAN-participant gear Data transfer faulty/missing, max. cycle time exceeded limited function check cable/plugs/gear electronics	X275:1/4/7		E	1
930408	engine V8: CAN-participant E/A-Modul Data transfer faulty/missing, max. cycle time exceeded emergency operation check cable/plugs/E/A-Modul(e)	X275:1/4/7		E	1
930508	engine V8: CAN signals gear Data transfer faulty/missing, max. cycle time exceeded limited function check cable/plugs/gear electronics	X275:1/4/7		E	1
930608	engine V8: CAN signals travel switch Data transfer faulty/missing, max. cycle time exceeded limited function check cable/plugs/E/A-Modul(e)	X275:1/4/7		E	1
930709	engine V8: speed sensor 1 gradient damage switch-over to speed 2 or engine-stop with error code 0809 check cable/plugs/sensor, distance to flywheel	X273:19/20		E	1
930809	engine V8: speed sensor 2 gradient damage switch-over to speed 2 or engine-stop with error code 0709 check cable/plugs/sensor, distance to flywheel	X273:18/21		E	1
930910	engine V8: speed 1/2 inadmissable signal difference/plausability control defective switch-over to other speed sensor or engine-stop check cable/plugs/sensor, distance to flywheel	X273:18/19/20/2 1		E	1
931002	engine V8: accelerator 1 sensor defect high/short circ. to supply voltage switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for UB-shorts	X274:16/17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
931003	engine V8: accelerator 1 sensor defect low/short circuit to ground switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for breaks or short to ground	X274:16/17		E	1
931004	engine V8: accelerator 1 level exceeded switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for UB-shorts, check pedal unit	X274:16/17		E	1
931005	engine V8: accelerator 1 below minimum level switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for break or short to ground, check pedal unit	X274:16/17		E	1
931102	engine V8: accelerator 2 sensor defect high/short circ. to supply voltage switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for UB-shorts	X274:14/15		E	1
931103	engine V8: accelerator 2 sensor defect low/short circuit to ground switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for breaks or short to ground	X274:14/15		E	1
931104	engine V8: accelerator 2 level exceeded switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for UB-shorts, check pedal unit	X274:14/15		E	1
931105	engine V8: accelerator 2 below minimum level switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for break or short to ground, check pedal unit	X274:14/15		E	1
931201	engine V8: accelerator 1/2 unit defect gas reduction or gas withdrawal (idle) test error code 16-23, check pedal unit	X274:14/15/16/17		E	1
931210	engine V8: accelerator 1/2 inadmissable signal difference/plausability control defective gas withdrawal (idle) check pedal unit, check condition of operation brake	X274:14/15/16/17		E	1
931280	engine V8: accelerator 1/2 Actuation with selected/active auxiliary brake Travel pedal lock Release travel pedal, switch off auxiliary brake	X274:14/15/16/17		B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
931611	engine V8: trigger signal box EDC excess current recognition engine-Stop check cable/plugs, replace LH-ECU1, check EDC-actuator, if necessary replace injector pump	X271:7/10		E	1
931701	engine V8: signal box feedback EDC unit defect engine-Stop check cable/plugs, replace LH-ECU1, check EDC-actuator, if necessary replace injector pump	X271:13/14/15		E	1
931812	engine V8: alternator D+ short circuit to ground warning check cable/plugs for short to ground	X273:14		E	1
931813	engine V8: alternator D+ open signal circuits signal ignored check cable/plugs for breaks	X273:14		E	1
931814	engine V8: alternator D+ short circuit to supply voltage signal ignored check cable/plugs for UB-shorts	X273:14		E	1
931916	engine V8: supply KL30 excess voltage generate error report; Reset: automatic after error counter sequence or regulator reset check main circuit voltage, check battery	X272:1		E	1
931917	engine V8: supply KL30 voltage below required value generate error report; Reset: automatic after error counter sequence or regulator reset check main circuit voltage, check battery	X272:1		E	1
932012	engine V8: start engine KL50 short circuit to ground generate error report; Reset: automatic after error counter sequence or regulator reset check cable/plugs for short to ground	X274:13		E	1
932112	engine V8: DA, flame type heater plugs diagnosis short circuit to ground error report check cable/plugs for short to ground, replace Relaismodul	X271:9		E	1
932113	engine V8: DA, flame type heater plugs diagnosis open signal circuits shut off FGK and MVE check cable/plugs for breaks, replace Relaismodul	X271:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
932114	engine V8: DA, flame type heater plugs diagnosis short circuit to supply voltage error report check cable/plugs for UB-shorts, replace Relaismodul	X271:9		E	1
932211	engine V8: Actuator prestroke excess current recognition Engine-stop Check or replace line connection ECU<->EDC-actuator, EDC-actuator, injection pump	X271:12/3		E	1
932312	engine V8: Control blower short circuit to ground Blower turns at full speed following wire break/short-circuit, no blower regulation possible Line connection ECU<->fan, ECU-output, check fan valve	X274:8/9		E	1
932315	engine V8: Control blower open electric circuit Blower turns at full speed following wire break/short-circuit, no blower regulation possible Line connection ECU<->fan, ECU-output, check fan valve	X274:8/9		E	1
932318	engine V8: Control blower excess temperature Blower turns at full speed following wire break/short-circuit, no blower regulation possible Line connection ECU<->fan, ECU-output, check fan valve	X274:8/9		E	1
932512	engine V8: Speed signal tachograph short circuit to ground Signal is ignored, switch off of functions TMAT/TSET, reduction of maximum moment due to Vset Check or replace line connection tachograph<->ECU, tachograph, ECU	X275:9		E	1
932513	engine V8: Speed signal tachograph open signal circuits Signal is ignored, switch off of functions TMAT/TSET, reduction of maximum moment due to Vset Check or replace line connection tachograph<->ECU, tachograph, ECU	X275:9		E	1
932514	engine V8: Speed signal tachograph short circuit to supply voltage Signal is ignored, switch off of functions TMAT/TSET, reduction of maximum moment due to Vset Check or replace line connection tachograph<->ECU, tachograph, ECU	X275:9		E	1
932602	engine V8: oil pressure sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X273:1/2/3		E	1
932603	engine V8: oil pressure sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X273:1/2/3		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
932702	engine V8: charge air pressure sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X273:4/5/6		E	1
932703	engine V8: charge air pressure sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X273:4/5/6		E	1
932802	engine V8: air filter sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X273:7/8/9		E	1
932803	engine V8: air filter sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X273:7/8/9		E	1
933102	engine V8: charge air temperature sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X273:12/15		E	1
933103	engine V8: charge air temperature sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X273:12/15		E	1
933202	engine V8: coolant temperature sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X273:10/11		E	1
933203	engine V8: coolant temperature sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X273:10/11		E	1
933313	engine V8: coolant level sensor open signal circuits signal ignored, substitute value used check cable/plugs for defects or breaks, replace sensor	X274:10/11		E	1
933402	engine V8: oil temperature sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X273:16/17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
933403	engine V8: oil temperature sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X273:16/17		E	1
933512	engine V8: Sensor jib-movement-detector (NBF) short circuit to ground Change-over to power-regulated operation Check line connection ECU<->NBF sensor, NBV sensor; Replace NBF sensor	X271:1/2		E	1
933513	engine V8: Sensor jib-movement-detector (NBF) open signal circuits Change-over to power-regulated operation Check line connection ECU<->NBF sensor, NBV sensor; Replace NBF sensor	X271:1/2		E	1
933514	engine V8: Sensor jib-movement-detector (NBF) short circuit to supply voltage Change-over to power-regulated operation Check line connection ECU<->NBF sensor, NBV sensor; Replace NBF sensor	X271:1/2		E	1
933601	engine V8: trigger flame type heater plug(s) FGK unit defect shut off FGK and MVE check cable/plugs for defects or breaks, check FGK, replace Relaismodul	X271:4		E	1
933614	engine V8: trigger flame type heater plug(s) FGK short circuit to supply voltage	X271:4		E	1
933615	engine V8: trigger flame type heater plug(s) FGK open electric circuit error report check cable/plugs for breaks, replace Relaismodul	X271:4		E	1
933618	engine V8: trigger flame type heater plug(s) FGK excess temperature shut off FGK and MVE check cable/plugs for short to ground, replace Relaismodul	X271:4		E	1
933714	engine V8: solenoid valve additional flow for starting short circuit to supply voltage	X271:6		E	1
933715	engine V8: solenoid valve additional flow for starting open electric circuit FSA data defective, FGK activation removed, MVE reset: automatic after error counter sequence, after regulator reset	X271:6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
933718	engine V8: solenoid valve additional flow for starting excess temperature shut off FGK and MVE check cable/plugs for short to ground, replace Relaismodul	X271:6		E	1
933814	engine V8: engine start 50A short circuit to supply voltage	X271:5		E	1
933815	engine V8: engine start 50A open electric circuit starting procedure interrupted, shut down FGK and MVE check cable/plugs for breaks, replace Relaismodul	X271:5		E	1
933818	engine V8: engine start 50A excess temperature starting procedure interrupted, shut down FGK and MVE check cable/plugs for short to ground, replace Relaismodul	X271:5		E	1
933908	engine V8: CAN-signals retarder Data transfer faulty/missing, max. cycle time exceeded limited function Check cable/plug/RET-electronics/CAN-Bus system	X27		E	1
934008	engine V8: CAN-signals WSK Data transfer faulty/missing, max. cycle time exceeded limited function Check cable/plug/WSK-electronics/CAN-Bus system	X27		E	1
934118	engine V8: control device ECU excess temperature error report allow machine to cool, check installation location, if necessary take further cooling measures	X271		E	1
934119	engine V8: control device ECU deviation engine-Stop regulator-reset (Kl.15), Check cable/plugs EDC-actuator, EDC-actuator; ECU, replace injector pump	X271		E	1
934120	engine V8: control device ECU saving error replace ECU	X271		E	1
934221	engine V8: RAM/FLASH memory invalid data record engine-Stop replace ECU	X271		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
934320	engine V8: EEPROM memory saving error use of redundant memory (Flash-EPROM) replace ECU	X271		E	1
934321	engine V8: EEPROM memory invalid data record engine start not possible replace ECU	X271		E	1
934504	engine V8: Calculation spray begin (SB) level exceeded Change-over to controlled injection-start operation (SB)	X271		E	1
934505	engine V8: Calculation spray begin (SB) below minimum level Change-over to controlled injection-start operation (SB)	X271		E	1
934526	engine V8: Calculation spray begin (SB) No synchronisation possible Change-over to controlled injection-start operation (SB) Checking of OT signal transmitter and NBF	X271		E	1
936124	engine V8: charge air temperature pre-warning disruption limit 1 warning, engine-protection-info, output reduction reduce output, check air suction routing and engine	X273:12/15		E	1
936125	engine V8: charge air temperature pre-warning disruption limit 2 warning, engine-protection-info, output reduction reduce output, if necessary shut off engine, check air suction routing and engine	X273:12/15		E	1
936224	engine V8: coolant temperature pre-warning disruption limit 1 warning, engine-protection-info, output reduction reduce output, check coolant level and engine	X273:10/11		E	1
936225	engine V8: coolant temperature pre-warning disruption limit 2 warning, engine-protection-info, output reduction reduce output, if necessary shut off engine, check coolant level and engine	X273:10/11		E	1
936324	engine V8: coolant level pre-warning disruption limit 1 warning shut off engine, check coolant level and if necessary replenish, check for leaks	X274:11/12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
936424	engine V8: oil pressure pre-warning disruption limit 1 warning shut off engine, check oil level and if necessary replenish, check for leaks	X273:1/2/3		E	1
936522	engine V8: air filter pressure pre-warning disruption limit 1 pre-warning replace air filter at next opportunity	X273:7/8/9		E	1
936525	engine V8: air filter pressure pre-warning disruption limit 2 warning replace air filter immediately	X273:7/8/9		E	1
936624	engine V8: v-belt break pre-warning disruption limit 1 warning replace V-belts, check generator and replace if necessary	X273:14		E	1
936724	engine V8: speed pre-warning disruption limit 1 warning, engine-protection-info, injector quantities 0, activation of engine brake shut off engine, regulator-reset (Kl.15)	X273:18/19/20/21		E	1
936824	engine V8: charge air pressure pre-warning disruption limit 1 signal ignored, substitute value will be used, error report check air suction routing	X273:4/5/6		E	1
936825	engine V8: charge air pressure pre-warning disruption limit 2 signal ignored, substitute value will be used, error report check air suction routing	X273:4/5/6		E	1
936924	engine V8: oil temperature pre-warning disruption limit 1 signal ignored, substitute value will be used, error report check oil level/oil circulation	X273:16/17		E	1
936925	engine V8: oil temperature pre-warning disruption limit 2 signal ignored, substitute value will be used, error report check oil level/oil circulation	X273:16/17		E	1
938150	engine V8: v-belt-control service report interval 1 attained/exceeded report check and return	X27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
938250	engine V8: change engine oil filter service report interval 1 attained/exceeded report check and return	X27		E	1
938350	engine V8: change engine oil service report interval 1 attained/exceeded report change oil and return	X27		E	1
938351	engine V8: change engine oil service report interval 2 attained/exceeded report change oil and return	X27		E	1
938352	engine V8: change engine oil service report interval 3 attained/exceeded report change oil and return	X27		E	1
938353	engine V8: change engine oil service report interval 4 attained/exceeded report change oil and return	X27		E	1
938354	engine V8: change engine oil service report interval 5 attained/exceeded report change oil and return	X27		E	1
938355	engine V8: change engine oil service report interval 6 attained/exceeded report change oil and return	X27		E	1
938356	engine V8: change engine oil service report interval 7 attained/exceeded report change oil and return	X27		E	1
938357	engine V8: change engine oil service report interval 8 attained/exceeded report change oil and return	X27		E	1
938358	engine V8: change engine oil service report interval 9 attained/exceeded report change oil and return	X27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
938359	engine V8: change engine oil service report interval 10 attained/exceeded report change oil and return	X27		E	1
938650	engine V8: check battery service report interval 1 attained/exceeded report check and return	X27		E	1
938750	engine V8: change water filter service report interval 1 attained/exceeded report change filter and return	X27		E	1
938850	engine V8: check antifreeze service report interval 1 attained/exceeded report check and return	X27		E	1
938950	engine V8: fuel filter level 1 service report interval 1 attained/exceeded report change filter and return	X27		E	1
939050	engine V8: fuel filter level 2 service report interval 1 attained/exceeded report change filter and return	X27		E	1
939150	engine V8: valve clearance service report interval 1 attained/exceeded report check and return	X27		E	1
939250	engine V8: fuel injection valves service report interval 1 attained/exceeded report check and return	X27		E	1
939350	engine V8: coolant service report interval 1 attained/exceeded report check and return	X27		E	1
940106	Engine uppercarr. control device engine Data communication CAN faulty / interrupted emergency operation check cable/plugs for shorts	X705:1/4/7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
940107	Engine uppercarr. control device engine Data communication CAN cancelled emergency operation check cable/plugs for UB- or shorts to ground	X705:1/4/7		E	1
940208	Engine uppercarr. CAN-participant ABV (ABS/ASR) Data transfer faulty/missing, max. cycle time exceeded limited function check cable/plugs/ABS-/ASR-electronics	X705:1/4/7		E	1
940308	Engine uppercarr. CAN-participant gear Data transfer faulty/missing, max. cycle time exceeded limited function check cable/plugs/gear electronics	X705:1/4/7		E	1
940408	Engine uppercarr. CAN-participant E/A-Modul Data transfer faulty/missing, max. cycle time exceeded emergency operation check cable/plugs/E/A-Modul(e)	X705:1/4/7		E	1
940709	Engine uppercarr. speed sensor 1 gradient damage switch-over to speed 2 or engine-stop with error code 0809 check cable/plugs/sensor, distance to flywheel	X703:19/20		E	1
940809	Engine uppercarr. speed sensor 2 gradient damage switch-over to speed 2 or engine-stop with error code 0709 check cable/plugs/sensor, distance to flywheel	X703:18/21		E	1
940910	Engine uppercarr. speed 1/2 inadmissable signal difference/plausability control defective switch-over to other speed sensor or engine-stop check cable/plugs/sensor, distance to flywheel	X703:18/19/20/21		E	1
941002	Engine uppercarr. accelerator 1 sensor defect high/short circ. to supply voltage switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for UB-shorts	X704:16/17		E	1
941003	Engine uppercarr. accelerator 1 sensor defect low/short circuit to ground switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for breaks or short to ground	X704:16/17		E	1
941004	Engine uppercarr. accelerator 1 level exceeded switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for UB-shorts, check pedal unit	X704:16/17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
941005	Engine uppercarr. accelerator 1 below minimum level switch-over to accelerator 2,speed limitation, torque limitation or 20-23 check cable/plugs for break or short to ground, check pedal unit	X704:16/17		E	1
941102	Engine uppercarr. accelerator 2 sensor defect high/short circ. to supply voltage switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for UB-shorts	X704:14/15		E	1
941103	Engine uppercarr. accelerator 2 sensor defect low/short circuit to ground switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for breaks or short to ground	X704:14/15		E	1
941104	Engine uppercarr. accelerator 2 level exceeded switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for UB-shorts, check pedal unit	X704:14/15		E	1
941105	Engine uppercarr. accelerator 2 below minimum level switch-over to accelerator 1, speed limitation, torque limitation or emergency operation at error code 16-19 check cable/plugs for break or short to ground, check pedal unit	X704:14/15		E	1
941201	Engine uppercarr. accelerator 1/2 unit defect gas reduction or gas withdrawal (idle) test error code 16-23, check pedal unit	X704:14/15/16/17		E	1
941210	Engine uppercarr. accelerator 1/2 inadmissable signal difference/plausability control defective gas withdrawal (idle) check pedal unit, check condition of operation brake	X704:14/15/16/17		E	1
941611	Engine uppercarr. trigger signal box EDC excess current recognition engine-Stop check cable/plugs, replace LH-ECU1, check EDC-actuator, if necessary replace injector pump	X701:7/10		E	1
941701	Engine uppercarr. signal box feedback EDC unit defect engine-Stop check cable/plugs, replace LH-ECU1, check EDC-actuator, if necessary replace injector pump	X701:13/14/15		E	1
941812	Engine uppercarr. alternator D+ short circuit to ground warning check cable/plugs for short to ground	X703:14		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
941813	Engine uppercarr. alternator D+ open signal circuits signal ignored check cable/plugs for breaks	X703:14		E	1
941814	Engine uppercarr. alternator D+ short circuit to supply voltage signal ignored check cable/plugs for UB-shorts	X703:14		E	1
941906	Engine uppercarr. supply KL30 Data communication CAN faulty / interrupted generate error report Reset: automatic after error counter sequence or after regulator-reset check main circuit voltage, check battery	X702:1		E	1
941907	Engine uppercarr. supply KL30 Data communication CAN cancelled generate error report; Reset: automatic after error counter sequence or regulator reset check main circuit voltage, check battery	X702:1		E	1
942012	Engine uppercarr. start engine KL50 short circuit to ground generate error report; Reset: automatic after error counter sequence or regulator reset check cable/plugs for short to ground	X704:13		E	1
942112	Engine uppercarr. DA, flame type heater plugs diagnosis short circuit to ground error report check cable/plugs for short to ground, replace Relaismodul	X701:9		E	1
942113	Engine uppercarr. DA, flame type heater plugs diagnosis open signal circuits shut off FGK and MVE check cable/plugs for breaks, replace Relaismodul	X701:9		E	1
942114	Engine uppercarr. DA, flame type heater plugs diagnosis short circuit to supply voltage error report check cable/plugs for UB-shorts, replace Relaismodul	X701:9		E	1
942602	Engine uppercarr. oil pressure sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X703:1/2/3		E	1
942603	Engine uppercarr. oil pressure sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X703:1/2/3		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
942702	Engine uppercarr. charge air pressure sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X703:4/5/6		E	1
942703	Engine uppercarr. charge air pressure sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X703:4/5/6		E	1
942802	Engine uppercarr. air filter sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X703:7/8/9		E	1
942803	Engine uppercarr. air filter sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X703:7/8/9		E	1
943102	Engine uppercarr. charge air temperature sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X703:12/15		E	1
943103	Engine uppercarr. charge air temperature sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X703:12/15		E	1
943202	Engine uppercarr. coolant temperature sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X703:10/11		E	1
943203	Engine uppercarr. coolant temperature sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X703:10/11		E	1
943313	Engine uppercarr. coolant level sensor open signal circuits signal ignored, substitute value used check cable/plugs for defects or breaks, replace sensor	X704:10/11		E	1
943402	Engine uppercarr. oil temperature sensor sensor defect high/short circ. to supply voltage signal ignored, substitute value used check cable/plugs for shorts to ground, replace sensor	X703:16/17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
943403	Engine uppercarr. oil temperature sensor sensor defect low/short circuit to ground signal ignored, substitute value used check cable/plugs for UB-shorts, replace sensor	X703:16/17		E	1
943601	Engine uppercarr. trigger flame type heater plug(s) FGK unit defect shut off FGK and MVE	X701:4		E	1
943614	Engine uppercarr. trigger flame type heater plug(s) FGK short circuit to supply voltage	X701:4		E	1
943615	Engine uppercarr. trigger flame type heater plug(s) FGK open electric circuit error report check cable/plugs for breaks, replace Relaismodul	X701:4		E	1
943618	Engine uppercarr. trigger flame type heater plug(s) FGK excess temperature shut off FGK and MVE check cable/plugs for short to ground, replace Relaismodul	X701:4		E	1
943714	Engine uppercarr. solenoid valve additional flow for starting short circuit to supply voltage	X701:6		E	1
943715	Engine uppercarr. solenoid valve additional flow for starting open electric circuit FSA data defective, FGK activation removed, MVE reset: automatic after error counter sequence, after regulator reset	X701:6		E	1
943718	Engine uppercarr. solenoid valve additional flow for starting excess temperature shut off FGK and MVE check cable/plugs for short to ground, replace Relaismodul	X701:6		E	1
943814	Engine uppercarr. engine start 50A short circuit to supply voltage	X701:5		E	1
943815	Engine uppercarr. engine start 50A open electric circuit starting procedure interrupted, shut down FGK and MVE check cable/plugs for breaks, replace Relaismodul	X701:5		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
943818	Engine uppercarr. engine start 50A excess temperature starting procedure interrupted, shut down FGK and MVE check cable/plugs for short to ground, replace Relaismodul	X701:5		E	1
944118	Engine uppercarr. control device ECU excess temperature error report allow machine to cool, check installation location, if necessary take further cooling measures	X701		E	1
944119	Engine uppercarr. control device ECU deviation engine-Stop regulator-reset (Kl.15), Check cable/plugs EDC-actuator, EDC-actuator; ECU, replace injector pump	X701		E	1
944120	Engine uppercarr. control device ECU saving error	X701		E	1
944221	Engine uppercarr. RAM/FLASH memory invalid data record engine-Stop insert new EEPROM with appropriate data record and carry out paging or replace LH-ECU1, regulator-reset (Kl.15)	X701		E	1
944320	Engine uppercarr. EEPROM memory saving error use of redundant memory (Flash-EPROM) insert new EEPROM and carry out paging or replace LH-ECU1, regulator-reset (Kl.15)	X701		E	1
944321	Engine uppercarr. EEPROM memory invalid data record engine start not possible insert correct EEPROM with appropriate data record or replace LH-ECU1, regulator-reset (Kl.15)	X701		E	1
946124	Engine uppercarr. charge air temperature pre-warning disruption limit 1 warning, engine-protection-info, output reduction reduce output, check air suction routing and engine	X703:12/15		E	1
946125	Engine uppercarr. charge air temperature pre-warning disruption limit 2 warning, engine-protection-info, output reduction reduce output, if necessary shut off engine, check air suction routing and engine	X703:12/15		E	1
946224	Engine uppercarr. coolant temperature pre-warning disruption limit 1 warning, engine-protection-info, output reduction reduce output, check coolant level and engine	X703:10/11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
946225	Engine uppercarr. coolant temperature pre-warning disruption limit 2 warning, engine-protection-info, output reduction reduce output, if necessary shut off engine, check coolant level and engine	X703:10/11		E	1
946324	Engine uppercarr. coolant level pre-warning disruption limit 1 warning shut off engine, check coolant level and if necessary replenish, check for leaks	X704:11/12		E	1
946424	Engine uppercarr. oil pressure pre-warning disruption limit 1 warning shut off engine, check oil level and if necessary replenish, check for leaks	X703:1/2/3		E	1
946522	Engine uppercarr. air filter pressure pre-warning disruption limit 1 pre-warning replace air filter at next opportunity	X703:7/8/9		E	1
946525	Engine uppercarr. air filter pressure pre-warning disruption limit 2 warning replace air filter immediately	X703:7/8/9		E	1
946624	Engine uppercarr. v-belt break pre-warning disruption limit 1 warning replace V-belts, check generator and replace if necessary	X703:14		E	1
946724	Engine uppercarr. speed pre-warning disruption limit 1 warning, engine-protection-info, injector quantities 0, activation of engine brake shut off engine, regulator-reset (Kl.15)	X703:18/19/20/21		E	1
946824	Engine uppercarr. charge air pressure pre-warning disruption limit 1 signal ignored, substitute value will be used, error report check air suction routing	X703:4/5/6		E	1
946825	Engine uppercarr. charge air pressure pre-warning disruption limit 2 signal ignored, substitute value will be used, error report check air suction routing	X703:4/5/6		E	1
946924	Engine uppercarr. oil temperature pre-warning disruption limit 1 signal ignored, substitute value will be used, error report check oil level/oil circulation	X703:16/17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
946925	Engine uppercarr. oil temperature pre-warning disruption limit 2 signal ignored, substitute value will be used, error report check oil level/oil circulation	X703:16/17		E	1
948150	Engine uppercarr. v-belt-control service report interval 1 attained/exceeded report check and return	X70		E	1
948250	Engine uppercarr. change engine oil filter service report interval 1 attained/exceeded report check and return	X70		E	1
948350	Engine uppercarr. change engine oil service report interval 1 attained/exceeded report change oil and return	X70		E	1
948351	Engine uppercarr. change engine oil service report interval 2 attained/exceeded report change oil and return	X70		E	1
948352	Engine uppercarr. change engine oil service report interval 3 attained/exceeded report change oil and return	X70		E	1
948353	Engine uppercarr. change engine oil service report interval 4 attained/exceeded report change oil and return	X70		E	1
948354	Engine uppercarr. change engine oil service report interval 5 attained/exceeded report change oil and return	X70		E	1
948355	Engine uppercarr. change engine oil service report interval 6 attained/exceeded report change oil and return	X70		E	1
948356	Engine uppercarr. change engine oil service report interval 7 attained/exceeded report change oil and return	X70		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
948357	Engine uppercarr. change engine oil service report interval 8 attained/exceeded report change oil and return	X70		E	1
948358	Engine uppercarr. change engine oil service report interval 9 attained/exceeded report change oil and return	X70		E	1
948359	Engine uppercarr. change engine oil service report interval 10 attained/exceeded report change oil and return	X70		E	1
948650	Engine uppercarr. check battery service report interval 1 attained/exceeded report check and return	X70		E	1
948750	Engine uppercarr. change water filter service report interval 1 attained/exceeded report change filter and return	X70		E	1
948850	Engine uppercarr. check antifreeze service report interval 1 attained/exceeded report check and return	X70		E	1
948950	Engine uppercarr. fuel filter level 1 service report interval 1 attained/exceeded report change filter and return	X70		E	1
949150	Engine uppercarr. valve clearance service report interval 1 attained/exceeded report check and return	X70		E	1
949250	Engine uppercarr. fuel injection valves service report interval 1 attained/exceeded report check and return	X70		E	1
949350	Engine uppercarr. coolant service report interval 1 attained/exceeded report check and return	X70		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
949450	Engine uppercarr. Exhaust gas recirculation (AGR) service report interval 1 attained/exceeded report change filter and return	X70		E	1
971020	gear ASTRONIC: Main cut-off valve Y10 short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching blocked - automatic blocked RESET - otherwise replace gear adjuster, ZF 10			E	1
971021	gear ASTRONIC: Main cut-off valve Y10 short circuit to supply voltage Switching blocked RESET - otherwise replace gear adjuster, ZF 74			E	1
971022	gear ASTRONIC: Main cut-off valve Y10 interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 42			E	2
971120	gear ASTRONIC: Solenoid valve Y1 gear brake short circuit to ground Increased switch times - sporadic upshift locking - automatic blocked RESET - otherwise replace gear adjuster, ZF 17			E	1
971121	gear ASTRONIC: Solenoid valve Y1 gear brake short circuit to supply voltage Switching blocked RESET - otherwise replace gear adjuster, ZF 81			E	1
971122	gear ASTRONIC: Solenoid valve Y1 gear brake interruption Increased switch times - sporadic upshift locking - automatic blocked RESET - otherwise replace gear adjuster, ZF 49			E	1
971220	gear ASTRONIC: Solenoid valve Y2 splitter short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 2			E	2
971221	gear ASTRONIC: Solenoid valve Y2 splitter short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 66			E	1
971222	gear ASTRONIC: Solenoid valve Y2 splitter interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 34			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
971320	gear ASTRONIC: Solenoid valve Y3 splitter short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 3			E	2
971321	gear ASTRONIC: Solenoid valve Y3 splitter short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 67			E	2
971322	gear ASTRONIC: Solenoid valve Y3 splitter interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 35			E	2
971420	gear ASTRONIC: Solenoid valve Y4 gap short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 04			E	2
971421	gear ASTRONIC: Solenoid valve Y4 gap short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 68			E	2
971422	gear ASTRONIC: Solenoid valve Y4 gap interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 36			E	2
971520	gear ASTRONIC: Solenoid valve Y5 gap short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 05			E	2
971521	gear ASTRONIC: Solenoid valve Y5 gap short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 69			E	2
971522	gear ASTRONIC: Solenoid valve Y5 gap interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 37			E	2
971620	gear ASTRONIC: Solenoid valve Y6 switching short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 6			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
971621	gear ASTRONIC: Solenoid valve Y6 switching short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 70			E	2
971622	gear ASTRONIC: Solenoid valve Y6 switching interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 38			E	2
971720	gear ASTRONIC: Solenoid valve Y7 switching short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 7			E	2
971721	gear ASTRONIC: Solenoid valve Y7 switching short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 71			E	2
971722	gear ASTRONIC: Solenoid valve Y7 switching interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 39			E	2
971820	gear ASTRONIC: Solenoid valve Y8 group short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 8			E	2
971821	gear ASTRONIC: Solenoid valve Y8 group short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 72			E	2
971822	gear ASTRONIC: Solenoid valve Y8 group interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 40			E	2
971920	gear ASTRONIC: Solenoid valve Y9 group short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 9			E	2
971921	gear ASTRONIC: Solenoid valve Y9 group short circuit to supply voltage Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 73			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
971922	gear ASTRONIC: Solenoid valve Y9 group interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 41			E	2
972033	gear ASTRONIC: Pressure reduction valve Mechanical error No function limitation RESET - otherwise replace pressure limiting valve, ZF 125			E	1
972330	gear ASTRONIC: Splitter Switching error Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 149			E	1
972331	gear ASTRONIC: Splitter Activation error System not avilable RESET - otherwise replace gear adjuster, ZF 150			E	1
972332	gear ASTRONIC: Splitter Deactivation error Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 148			E	1
972430	gear ASTRONIC: Gap Switching error Only certain gears switchable, automatic neutral switching - automatic blocked RESET - otherwise replace gear adjuster, ZF 152			E	1
972431	gear ASTRONIC: Gap Activation error Automatic neutral switching - automatic blocked RESET - otherwise replace gear adjuster, ZF 153			E	1
972432	gear ASTRONIC: Gap Deactivation error Only certain gears switchable, automatic neutral switching - automatic blocked RESET - otherwise replace gear adjuster, ZF 151			E	1
972530	gear ASTRONIC: Group Switching error Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 146			E	1
972531	gear ASTRONIC: Group Activation error Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 147			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
972532	gear ASTRONIC: Group Deactivation error Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 145			E	1
972630	gear ASTRONIC: Main gear Switching error Automatic neutral switching. Gear engagement conditionally possible - automatic blocked RESET - otherwise replace gear adjuster, ZF 156			E	1
972631	gear ASTRONIC: Main gear Activation error Automatic neutral switching. Gear engagement conditionally possible - automatic blocked RESET - otherwise replace gear adjuster, ZF 155			E	1
972632	gear ASTRONIC: Main gear Deactivation error Travel: No gear switching possible: Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 154			E	1
972742	gear ASTRONIC: Pressure sensor faulty/not present Output AL on display - no function limitation if air pressure high enough - automatic blocked RESET - otherwise replace pressure sensor, ZF 126			E	1
972842	gear ASTRONIC: Temperature sensor TCU faulty/not present No function limitation RESET - otherwise replace gear adjuster, ZF 127			E	1
972942	gear ASTRONIC: Temperature sensor gear oil faulty/not present No function limitation RESET - otherwise replace gear adjuster, ZF 128			E	1
973020	gear ASTRONIC: Sensor switching short circuit to ground Travel: Gear switching blocked - condition: Start-up gears can be switched RESET - otherwise replace gear adjuster, ZF 130			E	1
973021	gear ASTRONIC: Sensor switching short circuit to supply voltage Travel: Gear switching blocked - condition: Start-up gears can be switched RESET - otherwise replace gear adjuster, ZF 129			E	1
973022	gear ASTRONIC: Sensor switching interruption Travel: Gear switching blocked - condition: Start-up gears can be switched RESET - otherwise replace gear adjuster, ZF 131			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
973025	gear ASTRONIC: Sensor switching Self-adjustment Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 132			E	2
973042	gear ASTRONIC: Sensor switching faulty/not present Automatic neutral switching during travel; Automatic gear engagement during travel RESET - otherwise replace gear adjuster, ZF 158			E	1
973120	gear ASTRONIC: Sensor gap short circuit to ground Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 134			E	1
973121	gear ASTRONIC: Sensor gap short circuit to supply voltage Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 133			E	1
973122	gear ASTRONIC: Sensor gap interruption Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 135			E	1
973125	gear ASTRONIC: Sensor gap Self-adjustment Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 136			E	2
973220	gear ASTRONIC: Sensor group short circuit to ground Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 138			E	1
973221	gear ASTRONIC: Sensor group short circuit to supply voltage Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 137			E	1
973222	gear ASTRONIC: Sensor group interruption Only certain gears switchable - automatic blocked RESET - otherwise replace gear adjuster, ZF 139			E	1
973225	gear ASTRONIC: Sensor group Self-adjustment Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 140			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
973242	gear ASTRONIC: Sensor group faulty/not present Automatic neutral switching during travel; Automatic gear engagement during travel RESET - otherwise replace gear adjuster, ZF 159			E	1
973320	gear ASTRONIC: Sensor splitter short circuit to ground Only every 2nd gear can be engaged, switch delay - automatic blocked RESET - otherwise replace gear adjuster, ZF 142			E	1
973321	gear ASTRONIC: Sensor splitter short circuit to supply voltage Only every 2nd gear can be engaged, switch delay - automatic blocked RESET - otherwise replace gear adjuster, ZF 141			E	1
973322	gear ASTRONIC: Sensor splitter interruption Only every 2nd gear can be engaged, switch delay - automatic blocked RESET - otherwise replace gear adjuster, ZF 143			E	1
973325	gear ASTRONIC: Sensor splitter Self-adjustment Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 144			E	2
973342	gear ASTRONIC: Sensor splitter faulty/not present Automatic neutral switching during travel; Automatic gear engagement during travel RESET - otherwise replace gear adjuster, ZF 160			E	1
973441	gear ASTRONIC: Sensor gear input speed Signal(s) implausible Travel: Switching blocked - cond.: Clutch opens, neut. switching blocked -system gear dep. conditionally available RESET - check speed sensor 1 and 2, ZF 102			E	1
973442	gear ASTRONIC: Sensor gear input speed faulty/not present Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace gear adjuster, ZF 98			E	1
973520	gear ASTRONIC: Sensor gear input speed 1 short circuit to ground Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace sensor or cables or gear adjuster, ZF 22	X45:6/11/18		E	2
973521	gear ASTRONIC: Sensor gear input speed 1 short circuit to supply voltage No function limitation - Automatic blocked RESET- otherwise replace sensor, cable harness or gear adjuster, ZF 86	X45:6/11/18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
973522	gear ASTRONIC: Sensor gear input speed 1 interruption Travel: Switching blocked - Automatic blocked RESET- otherwise replace sensor, cable harness or gear adjuster, ZF 54	X45:6/11/18		E	1
973542	gear ASTRONIC: Sensor gear input speed 1 faulty/not present Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace cable harness or speed sensor, ZF 99	X45:6/11/18		E	1
973642	gear ASTRONIC: Gear output rpm 2,travel speed CAN faulty/not present No function limitation RESET - check tacho system, ZF 100			E	1
973742	gear ASTRONIC: Sensor gear input speed 1/2 faulty/not present Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check speed sensor 1 and 2, ZF 101			E	2
973831	gear ASTRONIC: TCU cut-off relay Activation error System not avilable RESET - check Kl 30 ECU - otherwise replace gear adjuster, ZF 170			E	2
973832	gear ASTRONIC: TCU cut-off relay Deactivation error System not avilable RESET - otherwise replace gear adjuster, ZF 169			E	2
974020	gear ASTRONIC: Solenoid valve Y15 "Clutch closes slowly" short circuit to ground Increased switch times - sporadic upshift locking - automatic blocked RESET - otherwise replace gear adjuster, ZF 19	X45:7		E	1
974021	gear ASTRONIC: Solenoid valve Y15 "Clutch closes slowly" short circuit to supply voltage Switching blocked - clutch function limited - condition: Neutral switching - system not available RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 83	X45:7		E	2
974022	gear ASTRONIC: Solenoid valve Y15 "Clutch closes slowly" interruption Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 51	X45:7		E	1
974033	gear ASTRONIC: Solenoid valve Y15 "Clutch closes slowly" Mechanical error Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace coupling adjuster, ZF 123	X45:7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
974120	gear ASTRONIC: Solenoid valve Y14 "Clutch closes quickly" short circuit to ground Increased switch times - sporadic upshift locking - automatic blocked RESET - otherwise replace gear adjuster, ZF 21	X45:8		E	1
974121	gear ASTRONIC: Solenoid valve Y14 "Clutch closes quickly" short circuit to supply voltage Switching blocked - clutch function limited - condition: Neutral switching - system not available RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 85	X45:8		E	2
974122	gear ASTRONIC: Solenoid valve Y14 "Clutch closes quickly" interruption Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 53	X45:8		E	1
974133	gear ASTRONIC: Solenoid valve Y14 "Clutch closes quickly" Mechanical error Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace coupling adjuster, ZF 122	X45:8		E	1
974220	gear ASTRONIC: Solenoid valve Y17 "Clutch opens slowly" short circuit to ground Increased switch times - sporadic upshift locking - automatic blocked RESET - otherwise replace gear adjuster, ZF 18	X45:9		E	1
974221	gear ASTRONIC: Solenoid valve Y17 "Clutch opens slowly" short circuit to supply voltage Switching blocked - clutch function limited - condition: Neutral switching - system not available RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 82	X45:9		E	2
974222	gear ASTRONIC: Solenoid valve Y17 "Clutch opens slowly" interruption Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 50	X45:9		E	1
974233	gear ASTRONIC: Solenoid valve Y17 "Clutch opens slowly" Mechanical error Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace coupling adjuster, ZF 120	X45:9		E	1
974320	gear ASTRONIC: Solenoid valve Y16 "Clutch opens quickly" short circuit to ground Increased switch times - sporadic upshift locking - automatic blocked RESET - otherwise replace gear adjuster, ZF 20	X45:12		E	1
974321	gear ASTRONIC: Solenoid valve Y16 "Clutch opens quickly" short circuit to supply voltage Switching blocked - clutch function limited - condition: Neutral switching - system not available RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 84	X45:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
974322	gear ASTRONIC: Solenoid valve Y16 "Clutch opens quickly" interruption Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace cable harness coupling adjuster or coupling adjuster, ZF 52	X45:12		E	1
974333	gear ASTRONIC: Solenoid valve Y16 "Clutch opens quickly" Mechanical error Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace coupling adjuster, ZF 121	X45:12		E	1
974424	gear ASTRONIC: Sensor clutch voltage below required value Travel: Reduced comfort when travelling, no ranging, automatic time-controlled neutral switching, automatically blocked RESET - Replace gear adjuster or coupling adjuster, ZF 107	X45:10/15		E	1
974425	gear ASTRONIC: Sensor clutch Self-adjustment System not avilable RESET - otherwise replace gear adjuster, coupling adjuster, coupling, ZF 117	X45:10/15		E	2
974442	gear ASTRONIC: Sensor clutch faulty/not present Travel: Reduced comfort when travelling, no ranging, automatic time-controlled neutral switching, automatically blocked RESET - otherwise replace coupling adjuster, ZF 124	X45:10/15		E	1
974525	gear ASTRONIC: Clutch Self-adjustment System not avilable RESET - otherwise replace gear adjuster, coupling adjuster, coupling, ZF 117			E	2
974531	gear ASTRONIC: Clutch Activation error Travel: Gear switching blocked - cond.: Engine stalled - automatic neutral switching - system not available RESET - otherwise replace gear adjuster, coupling adjuster, coupling, ZF 118			E	2
974532	gear ASTRONIC: Clutch Deactivation error Switching blocked - clutch function limited - condition: Neutral switching - system not available RESET - otherwise replace gear adjuster, coupling adjuster, coupling, ZF 119			E	2
974533	gear ASTRONIC: Clutch Mechanical error Standstill: forced neutral switching, if N reached, no further system limitation Switch off ignition, coupling opens, gear in N, ZF 114			E	1
975421	gear ASTRONIC: TCU power supply short circuit to supply voltage No function limitation RESET - otherwise replace sensor or cables or gear adjuster, ZF 86	X44:1/4/5		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
975422	gear ASTRONIC: TCU power supply interruption Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace sensor or cables or gear adjuster, ZF 54	X44:1/4/5		E	1
975923	gear ASTRONIC: On-board supply excess voltage No function limitation RESET - check on-board circuit voltage, ZF 104			E	1
975924	gear ASTRONIC: On-board supply voltage below required value Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check on-board circuit voltage, ZF 105			E	2
976031	gear ASTRONIC: Ignition ON Kl.15 Activation error Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check CAN-communication ECU - MOT, ZF 175			E	1
976241	gear ASTRONIC: Idle switch Signal(s) implausible Condition: No ranging and start-up possible - automatic blocked RESET - check CAN-communication ECU - MOT (accelerator pedal), ZF 166			E	1
976401	gear ASTRONIC: CAN-interface system Permanent error, Bus communication interrupted Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check cables of CAN communication, ZF 177	X44:8/12		E	2
976404	gear ASTRONIC: CAN-interface system Memory error (queue overrun) Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check cables of CAN communication, ZF 179	X44:8/12		E	2
976501	gear ASTRONIC: CAN-interface ZF Permanent error, Bus communication interrupted Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check cables of CAN communication, ZF 188	X44:8/12		E	2
976503	gear ASTRONIC: CAN-interface ZF Faulty/missing, max. cycle time exceeded Travel: Switching blocked - condition: automat. Engagement of last start-up gear - reverse gear blocked RESET - otherwise replace gear adjuster, ZF 110	X44:8/12		E	1
976610	gear ASTRONIC: Internal error TCU Incorrect interrupt triggered Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - load software again - otherwise replace gear adjuster, ZF 188	4		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
976611	gear ASTRONIC: Internal error TCU Memory error (stack watch) Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - load software again - otherwise replace gear adjuster, ZF 189	4		E	2
976612	gear ASTRONIC: Internal error TCU Parameter faulty Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - load EOL parameter again, ZF 190	4		E	2
976613	gear ASTRONIC: Internal error TCU EEPROM parameter check sum Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - Enter EOL parameter check sum again, ZF 191	4		E	2
976614	gear ASTRONIC: Internal error TCU EEPROM access faulty Loss of comfort during start-up, switching and ranging - automatic blocked RESET - otherwise replace gear adjuster, ZF 192	4		E	1
976640	gear ASTRONIC: Internal error TCU Communication faulty/not present Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - otherwise replace gear adjuster, ZF 90	4		E	2
976644	gear ASTRONIC: Internal error TCU excess temperature Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - Check cooling system gear again - otherwise replace gear adjuster, ZF 193	4		E	2
976703	gear ASTRONIC: CAN-data transfer ABS/ASR (ID 512) Faulty/missing, max. cycle time exceeded Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check CAN-communication ECU - ABS, ZF 216	X44:8/12		E	2
976803	gear ASTRONIC: CAN-data transfer ABS/ASR (ID 513) Faulty/missing, max. cycle time exceeded Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check CAN-communication ECU - ABS, ZF 217	X44:8/12		E	2
976903	gear ASTRONIC: CAN-data transfer E/A-module (ID 588) Faulty/missing, max. cycle time exceeded Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check CAN-communication ECU - EA-module, ZF 230	X44:8/12		E	2
977003	gear ASTRONIC: CAN-data transfer engine (ID 592) Faulty/missing, max. cycle time exceeded Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check CAN-communication ECU - MOT, ZF 218	X44:8/12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
977103	gear ASTRONIC: CAN-data transfer engine (ID 593) Faulty/missing, max. cycle time exceeded Travel: Switching blocked - condition: Clutch opens, neutral switching - system not available RESET - check CAN-communication ECU - MOT, ZF 219	X44:8/12		E	2
977203	gear ASTRONIC: CAN-data transfer retarder (ID 772) Faulty/missing, max. cycle time exceeded Loss of comfort during start-up, switching and ranging - automatic blocked RESET - check CAN-communication ECU - INT, ZF 220	X44:8/12		E	1
977603	gear ASTRONIC: CAN-data transfer Intarder (12xx) Faulty/missing, max. cycle time exceeded Loss of comfort during start-up, switching and ranging RESET - check CAN-communication ECU - INT, ZF 225	X44:8/12		E	1
977703	gear ASTRONIC: CAN-data transfer engine (ID 1360) Faulty/missing, max. cycle time exceeded Loss of comfort during start-up, switching and ranging - automatic blocked RESET - check CAN-communication ECU - MOT, ZF 223	X44:8/12		E	2
978042	gear ASTRONIC: CAN-signal travel speed faulty/not present No start-up gear calculation - no travel resistance calculation - travel strategy only operates conditionally RESET - check CAN signals ECU/ABS/ASR, ZF 92/93/94	X44:8/12		E	1
978142	gear ASTRONIC: CAN-signal average speed front axle faulty/not present No start-up gear calculation - no travel resistance calculation - travel strategy only operates conditionally RESET - check CAN-communication ECU - ABS, ZF 92	X44:8/12		E	1
978242	gear ASTRONIC: CAN-signal differential speed front axle faulty/not present No function limitation RESET - check CAN-communication ECU - ABS, ZF 198	X44:8/12		E	1
978342	gear ASTRONIC: CAN-signal intarder actual moment faulty/not present Loss of comfort during start-up, switching and ranging - automatic blocked RESET - check CAN-communication ECU - INT, ZF 28	X44:8/12		E	1
978442	gear ASTRONIC: CAN-signal intarder shift-in faulty/not present No shift-in requirements with retarder operation - loss of cooling output RESET - check CAN-communication ECU - INT, ZF 29	X44:8/12		E	1
978502	gear ASTRONIC: CAN-signal Telma actual moment Signal on CAN faulty/not present No function limitation RESET - check CAN-communication ECU - EA-module, ZF 229	X44:8/12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
978642	gear ASTRONIC: CAN-signal WSK-retarder faulty/not present Limited calculation of road resistance, error calculations with automatic gear selection thus possible Signals available on CAN again or switch on/off ignition, ZF 24			E	1
979042	gear ASTRONIC: CAN-signal engine speed faulty/not present Loss of comfort during start-up, switching and ranging - automatic blocked RESET - check CAN-communication ECU - MOT, ZF 97	X44:8/12		E	1
979140	gear ASTRONIC: CAN-signal drive moment Soll Communication faulty/not present Travel: Gear switching blocked - condition: Start-up gears can be switched - automatic blocked RESET - check CAN-communication ECU - MOT, ZF 163	X44:8/12		E	1
979242	gear ASTRONIC: CAN-signal drive moment Ist faulty/not present Loss of comfort during start-up, switching and ranging - automatic blocked RESET - check CAN-communication ECU - MOT, ZF 171	X44:8/12		E	1
979342	gear ASTRONIC: CAN-signal engine moment dynamic faulty/not present No function limitation RESET - check CAN-communication ECU - MOT, ZF 167	X44:8/12		E	1
979442	gear ASTRONIC: CAN-signal engine break moment faulty/not present Loss of comfort during start-up, switching and ranging - automatic blocked RESET - check CAN-communication ECU - MOT, ZF 31	X44:8/12		E	1
979542	gear ASTRONIC: CAN-signal travel pedal faulty/not present Loss of comfort during start-up, switching and ranging - automatic blocked RESET - check CAN-communication ECU - MOT, ZF 164	X44:8/12		E	1
979642	gear ASTRONIC: CAN-signal idle switch faulty/not present No function limitation RESET - check CAN-communication ECU - MOT (accelerator pedal), ZF 168	X44:8/12		E	1
979742	gear ASTRONIC: CAN-signal brake switch faulty/not present Comfort impeded when braking - automatic blocked RESET - check CAN-communication ECU - MOT (brake switch), ZF 173	X44:8/12		E	1
979942	gear ASTRONIC: CAN-signal Tempomat faulty/not present Switch oscillation in Tempomat operation possible RESET - check CAN-communication ECU - MOT (Temposet), ZF 96	X44:8/12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
981111	WSK: Outlet recirculation valve short circuit to ground WSK-ECU no longer controls the outlet (recirculation valve), retarder response time increases Check cables, recirculation valve (inner res. approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 01			E	1
981112	WSK: Outlet recirculation valve short circuit to supply voltage WSK-ECU no longer controls the outlet (recirculation valve), retarder response time increases Check cables, recirculation valve (inner res. approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 02			E	1
981113	WSK: Outlet recirculation valve Disconnection/wire break WSK-ECU no longer controls the outlet (recirculation valve), retarder response time increases Check cables, recirculation valve (inner res. approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 03			E	1
981211	WSK: Outlet WK-valve short circuit to ground WSK-ECU no longer controls the outlet (WK-valve), only converter operation possible Check cables, WK-valve (inner resistance approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 04			E	1
981212	WSK: Outlet WK-valve short circuit to supply voltage WSK-ECU no longer controls the outlet (WK-valve), no converter operation possible: line permanently active Check cables, WK-valve (inner resistance approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 05			E	1
981213	WSK: Outlet WK-valve Disconnection/wire break WSK-ECU no longer controls the outlet (WK-valve), only converter operation possible Check cables, WK-valve (inner resistance approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 06			E	1
981911	WSK: Outlet proportional valve retarder short circuit to ground WSK-ECU no longer controls the prop.-valve; no more retarder torque available Check cables, prop.-valve; replace WSK-ECU, ZF 10			E	1
981912	WSK: Outlet proportional valve retarder short circuit to supply voltage WSK-ECU no longer controls the prop.-valve; (line permanently active; if no earth shut-down path - permanent brake) Check cables, prop.-valve; replace WSK-ECU, ZF 11			E	1
981913	WSK: Outlet proportional valve retarder Disconnection/wire break WSK-ECU no longer controls the prop.-valve; no more retarder torque available Check cables, prop.-valve; replace WSK-ECU, ZF 12			E	1
981914	WSK: Outlet proportional valve retarder Error in component/element/transmission WSK-ECU no longer controls the prop.-valve; no more retarder torque available Check cables, prop.-valve; replace WSK-ECU, ZF 13			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
982111	WSK: Outlet earth switching proportional valve retarder short circuit to ground WSK-ECU shuts down the retarder; retarder no longer available. (line permanently active) Check cables, prop.-valve; replace WSK-ECU, ZF 14			E	1
982112	WSK: Outlet earth switching proportional valve retarder short circuit to supply voltage WSK-ECU shuts down the retarder; retarder no longer available Check cables, prop.-valve; replace WSK-ECU, ZF 15			E	1
982211	WSK: Outlet earth switching WK-valve short circuit to ground WSK-ECU no longer controls outlet (WK-valve), only converter operation possible (depending on status output WK-valve) Check cables, WK-valve (inner resistance approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 16			E	1
982212	WSK: Outlet earth switching WK-valve short circuit to supply voltage WSK-ECU no longer controls outlet (WK-valve), only converter operation possible (depending on status output WK-valve) Check cables, WK-valve (inner resistance approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 17			E	1
982213	WSK: Outlet earth switching WK-valve Disconnection/wire break WSK-ECU no longer controls the outlet (WK-valve), only converter operation possible Check cables, WK-valve (inner resistance approx. 120 Ohm; measure the WSK-ECU at the plug); replace WSK-ECU, ZF 18			E	1
982316	WSK: Current sensing proportional valve retarder Permissible signal range fallen short of WSK-ECU shuts down the retarder; retarder no longer available Replace WSK-ECU, ZF 24			E	1
982317	WSK: Current sensing proportional valve retarder Permissible signal range exceeded WSK-ECU shuts down the retarder; retarder no longer available Replace WSK-ECU, ZF 25			E	1
983119	WSK: Turbine speed Signal faulty/lacking Turbine speed interrupted: Limitation retarder power to 250mA; opened WK does not close; no active diagnosis Check CAN-Bus system, Bus subscriber, ZF 19			E	1
983211	WSK: Oil temperature sensor short circuit to ground WSK-ECU limits the maximum permissible braking action to 100kW Check cables, temperature sensor; replace WSK-ECU, ZF 23			E	1
983213	WSK: Oil temperature sensor Disconnection/wire break WSK-ECU limits the maximum permissible braking action to 100kW Check cables, temperature sensor; replace WSK-ECU, ZF 22			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
983217	WSK: Oil temperature sensor Permissible signal range exceeded Warning information End converter operation; end or reduce retarder operation, ZF 20			E	1
983419	WSK: Engine speed Signal faulty/lacking Engine speed interrupted: WK only closes at KD-threshold; no active diagnosis Check CAN-Bus system, Bus subscriber, ZF 34			E	1
984319	WSK: CAN-transmission error Signal faulty/lacking No direct error reaction Check CAN-Bus system, Bus subscriber, ZF 37			E	1
984415	WSK: CAN-bus system Error in component/element/transmission No direct error reaction Check CAN-Bus system, Bus subscriber, ZF 38			E	1
984615	WSK: CAN-Bus transmission Error in component/element/transmission No direct error reaction Check CAN-Bus system, Bus subscriber, ZF 40			E	1
985919	WSK: CAN-communication with engine (FMR1) Signal faulty/lacking Error reaction is dependent on the signals read in the message Check CAN-Bus system, Bus subscriber, ZF 48			E	1
986119	WSK: CAN-communication with gear (EPS) Signal faulty/lacking Error reaction is dependent on the signals read in the message Check CAN-Bus system, Bus subscriber, ZF 50			E	1
986219	WSK: CAN-communication with engine (FMR2) Signal faulty/lacking Error reaction is dependent on the signals read in the message Check CAN-Bus system, Bus subscriber, ZF 49			E	1
986519	WSK: CAN-communication with gear (MKR) Signal faulty/lacking Error reaction is dependent on the signals read in the message Check CAN-Bus system, Bus subscriber, ZF 47			E	1
987113	WSK: Terminal 30 Disconnection/wire break In operation: no reaction; with ignition OFF:no after-run operation Check supply of WSK-ECU (cables), check fuse terminal 30, ZF 26			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
987216	WSK: Terminal 15 Permissible signal range fallen short of WSK-ECU shuts down the retarder; no retarder availability; digital outlets switched off; WK will not be closed Check on-board supply voltage (battery, alternator), ZF 28			E	1
987217	WSK: Terminal 15 Permissible signal range exceeded WSK-ECU shuts down retarder; retarder no longer available Check on-board supply voltage (battery, alternator), ZF 27			E	1
988218	WSK: Operating hours counter Plausibility error Operating hour meter can not be read from EEProm, WSK-ECU resets operating hour meter to 0 Switch ignition on and off, if error is active again replace WSK-ECU, ZF 31			E	0
988318	WSK: Error memory Plausibility error Error memory can not be read from EEProm, WSK-ECU rejects the "old" error memory content Delete error memory, then switch ignition on and off, if error is active again replace WSK-ECU, ZF 32			E	0
988415	WSK: System error Error in component/element/transmission Replace WSK-ECU, ZF 35			E	1
EFF001	LSB-BTT: System error Data comm. Infrared or cable defect (charge impulse recognized) Fatal system error BTT, Data transfer interrupted Clean cover glass for infrared interface, replace BTT or payload bay			E	1
EFF002	LSB-BTT: System error Data communication via Infrared or cables without charge impulse Fatal system error BTT, Data transfer interrupted Clean charge contacts, replace BTT or payload bay			E	1
EFF003	LSB-BTT: System error General internal error Fatal system error BTT, Data transfer interrupted Reset, replace BTT			E	2
EFF004	LSB-BTT: System error Data transfer erroneous, Packet size incorrect Fatal system error BTT, Data transfer interrupted Reset, BTT or replace BTB			E	2
EFF005	LSB-BTT: System error Data transfer erroneous, Packet content incorrect Fatal system error BTT, Data transfer interrupted Reset, BTT or replace BTB			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
EFF006	LSB-BTT: System error Data transfer pictograms to BTT-E defective Fatal system error BTT, Data transfer interrupted Clean cover glass for infrared interface, replace BTT or BTT-E			E	2
EFF007	LSB-BTT: System error File system Fatal system error BTT, Data transfer interrupted After software change, load BTT, replace BTT			E	2
EFF008	LSB-BTT: System error Comm-driver Fatal system error BTT, Data transfer interrupted Reset, after software replacement load BTT, replace BTT			E	2
EFF009	LSB-BTT: System error Synchronization internal software processes (thread) erroneous Fatal system error BTT, Data transfer interrupted Reset, after software replacement load BTT, replace BTT			E	2
EFF010	LSB-BTT: System error Data format of a pictogram invalid Fatal system error BTT, Data transfer interrupted Replace software			E	2
EFF011	LSB-BTT: System error Maximum number of pictograms exceeded Fatal system error BTT, Data transfer interrupted BTT-E tauschen			E	2
FE0000	Unknown Device: System error or unknown path Configuration file missing or faulty			E	2
FE0171	Unknown Device: System error or unknown path Structure file missing or faulty error indication on display Inform Service of all error parameters and replace module			E	2
FE017A	Unknown Device: System error or unknown path Configuration file missing or faulty error indication on display Inform Service of all error parameters and replace module			E	2