LICCON Error Code Manual

LTR-1100

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LICCON ERROR CODE (LEC)

Reference	Identification number	Illustration number
Electrics Superstructure	2	16000
Electrics Carrier	/tmp/zfile	08.07.2014
Error list	-1085228	9175-700.00.00.000.003

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
010260	ZE 0: output 2 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010314	ZE 0: output 3 short circuit to supply voltage	X70:19		E	1
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
010360	ZE 0: output 3 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
010458	ZE 0: output 4 positive switching transistor: disruption	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
010514	ZE 0: output 5 short circuit to supply voltage	X70:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635:z14/z16		E	1
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, then clean, with regular occurrence replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
020104	ZE 0: LSB participant address 1 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular occurrence replace sensor	X635:z14/z16		E	1
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020804	ZE 0: LSB participant address 8 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635:z14/z16		E	1
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, then clean, with regular occurrence replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
021604	ZE 0: LSB participant address 16 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular occurrence replace sensor	X635:z14/z16		E	1
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
022304	ZE 0: LSB participant address 23 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635:z14/z16		E	1
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
022504	ZE 0: LSB participant address 25 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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, then clean, with regular occurrence replace sensor	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
027210	ZE 0: input 24 inadmissable signal difference Output of error, due to defective feedback signal slewing platform locking no selection of corresponding table poss. check supply, LICCON input, sensor lines to short or break, sensor	X635:b18		E	1
027410	ZE 0: input 26 inadmissable signal difference Output of error, due to defective feedback signal slewing platform locking no selection of corresponding table poss. check supply, LICCON input, sensor lines to short or break, sensor	X635:b22		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
030002	ZE 0: LMB minimum pressure in fly jib retaining cylinder below minimum error report only check pressure sensor for fly jib retaining cylinder and replace if necessary			B	1
030003	ZE 0: LMB maximum pressure in fly jib retaining cylinder exceeded error report only check pressure sensor of fly jib retaining cylinder and replace if necessary or check fly jib ret. cyl. for leaks			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 trigger adjustment switch for hook course indication of winch 1 through lowering			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
030007	ZE 0: LMB winch 3 not regulated, hook course indicator erroneous imprecise winch control and incorrect hook course indication of winch 3 trigger adjustment switch for hook course indication of winch 3 through lowering			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030012	ZE 0: LMB Inc-sensor swing gear not zeroed/pinned to the rear 0°+MS1/2 dead man error report only Insert slewing platform locking at 0° to the rear briefly			E	1
030040	ZE 0: LMB no standard table defined for this crane program stop install new data memory card with corrected charts			B	3
030041	ZE 0: LMB all data for actual operation mode not available program stop install new data memory card with corrected charts			B	3
030042	ZE 0: LMB no valid control word in this table program stop install new data memory card with corrected charts			B	3
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
030059	ZE 0: LMB length sensor defect at bolting time, tele-length invalid actual tele length is rejected, LMB-Stop retract boom completely and operate telescoping cylinder into last telescopic section			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
030067	ZE 0: LMB STOP, difference between length sensors 1 and 2 too great LMB-Stop: Load torque increasing movements cannot be affected set the correct length sensors zero point			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
030100	ZE 0: LMB STOP, main boom not mounted			B	2
030110	ZE 0: LMB STOP, tipping danger at rear; no telescoping and no luffing load torque reducing movements (telescoping in, luffing up) cannot de affected take care when luffing down to chart area while assembly mode selected			B	2
030113	ZE 0: LMB STOP, fixed or hydraulically luffable jib not installed LMB-Stop: Load torque increasing movements cannot be affected			B	2
030120	ZE 0: LMB STOP, end of stroke switch 1 in tele-operation not connected LMB-Stop: Load torque increasing movements cannot be affected connect end of stroke switch 1, or check limit switch or supply line			B	2
030121	ZE 0: LMB STOP, end of stroke switch 1 reports internal error Check hoist limit switch			E	2
030122	ZE 0: LMB STOP, end of stroke switch 2 in auxiliary boom op. not connected LMB-Stop: Load torque increasing movements cannot be affected connect end of stroke switch 2, or check limit switch or supply line			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030123	ZE 0: LMB STOP, end of stroke switch 2 reports internal error Check hoist limit switch			E	2
030124	ZE 0: LMB STOP, end of stroke switch 3 in auxiliary boom op. not connected LMB-Stop: Load torque increasing movements cannot be affected connect end of stroke switch 3, or check limit switch or supply line			B	2
030125	ZE 0: LMB STOP, end of stroke switch 3 reports internal error Check hoist limit switch			E	2
030130	ZE 0: LMB STOP, hoist limit switch 4 with 2 winch device not connected LMB-Stop: Load torque increasing movements cannot be affected Connect hoist limit switch 4, or check limit switch supply line			E	2
030131	ZE 0: LMB STOP, hoist limit switch 4 reports internal error LMB-Stop: Load torque increasing movements cannot be affected Check hoist limit switch			E	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 tension connecting brackets or line, stress flow difference in both tension 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 tension connecting brackets or line, stress flow difference in both tension 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 tension connecting brackets or line, stress flow difference in both tension connecting brackets possible			B	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
030153	ZE 0: LMB selected attachment config. not corresponding with actual condition LMB-Stop: Load torque increasing movements cannot be affected select load chart corresponding to actual crane configuration			B	2
030154	ZE 0: LMB crane improperly supported or support pressure sensor defect LMB-Stop: Increased load torque movements and slewing cannot be affected support crane so that the wheels are lifted from ground or check support pressure sensor or its lines			B	2
030155	ZE 0: LMB selected ballast not corresponding with actual condition LMB-Stop: Increased load torque movements and slewing cannot be affected select chart that corresponds to the applied counterweight			B	2
030156	ZE 0: LMB selected support not corresponding with actual condition LMB-Stop: Load torque increasing movements, selected chart cannot be entered enter chart that corresponds to the actual support condition			B	2
030157	ZE 0: LMB selected slewing range not corresponding with actual condition LMB-Stop: Load torque increasing movements cannot be affected enter chart that corresponds to the actual slewing range			B	2
030163	ZE 0: LMB left/right pressure sensors not the same LMB-Stop: Load torque increasing movements cannot be affected check pressure sensor or its line			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030165	ZE 0: LMB difference between upper/lower angle sensor tele 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
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
030185	ZE 0: LMB actual ballast different from set ballast LMB-Stop: Load torque increasing movements cannot be affected enter chart according to mounted counterweight			B	2
030186	ZE 0: LMB actual support different from support set LMB-Stop: Load torque increasing movements cannot be affected enter chart according to adjusted support basis			B	2
030187	ZE 0: LMB actual slewing range different from set slewing range LMB-Stop: Load torque increasing movements cannot be affected enter chart according to actual slewing angle of the boom			B	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
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
030211	ZE 0: LMB STOP, fixed or hydraulically luffable jib overequipped control-Stop: even in operation mode crane movements cannot be affected			B	2
030254	ZE 0: LMB STOP, miscalculation in interpolation (X1=X2) LMB-Stop: Load torque increasing movements cannot be affected install new data memory card with corrected charts			E	2
032800	ZE 0: control slewing No swing movement recognised with selected swing gear			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
033941	ZE 0: crane control Emergency operation switched on, Caution shut-downs ineffective			B	
033E41	ZE 0: Switch cabinet LMB-bypass-emerg. or cont. actuation or Short circuit after Ubatt			E	1
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
03403E	ZE 0: instruments crane operators cab Luff up at overload continuous 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
034313	ZE 0: instruments armrest left master switch 2X both dir. contacts standing by simultaneously output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
034315	ZE 0: instruments armrest left master switch 2X directional contact without zero contact output of error, shut-down through application check supply, LICCON input, sensor lines for breaks , check defect sensor			E	1
034317	ZE 0: instruments armrest left master switch 2X analogue signal short to supply voltage output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
034321	ZE 0: instruments armrest left master switch 2X analogue sig. open circuit or short to ground output of error, shut-down through application check supply, LICCON input, sensor line for breaks , defect sensor through withdrawing of sensor			E	1
03433E	ZE 0: instruments armrest left Luffing in with susp. load cont. act. or short circuit after Ubatt			E	
034800	ZE 0: control diagnosis system slewing sensor defective/missing Carrying out of test program delayed / interrupted Check rotary encoder and connection, carry out test program again			E	1
034801	ZE 0: control diagnosis system tele angle sensor defective/missing Carrying out of test program delayed / interrupted Check angle transmitter and connection, carry out test program again			E	1
034805	ZE 0: control diagnosis system longitudinal sensor defective/missing Carrying out of test program delayed / interrupted Check length indicator and connection, carry out test program again			E	1
034810	ZE 0: control diagnosis system Rotary encoder value(s) implausible Carrying out of test program delayed / interrupted Check rotary encoder / incremental sensor			E	1
034825	ZE 0: control diagnosis system charge pressure in slewing gear defective/missing Carrying out of test program delayed / interrupted Check pressure hoist gear, carry out test program again			E	1
034833	ZE 0: control diagnosis system Pressure cut-off swing gear outside of permissible area Carrying out of test program delayed / interrupted Check pressure hoist gear, carry out test program again			E	1
034856	ZE 0: control diagnosis system slewing gear turning with closed brakes Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034857	ZE 0: control diagnosis system Initial current swing gear right above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
034858	ZE 0: control diagnosis system Initial current swing gear right below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034859	ZE 0: control diagnosis system Initial current swing gear left above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034860	ZE 0: control diagnosis system Initial current swing gear left below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034861	ZE 0: control diagnosis system slewing speed right slewing gear too low Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034862	ZE 0: control diagnosis system slewing speed right slewing gear too high Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034863	ZE 0: control diagnosis system slewing speed left slewing gear too low Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034864	ZE 0: control diagnosis system slewing speed left slewing gear too high Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
034865	ZE 0: control diagnosis system Hysteresis right-hand swing gear too great Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
034866	ZE 0: control diagnosis system Hysteresis left-hand swing gear too great Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
035641	ZE 0: operation telescoping emergency op. telescope activated, caution switch-offs ineffective			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
035808	ZE 0: operation slewing shut-down slewing right working area limitation ABB			B	
035809	ZE 0: operation slewing shut-down slewing left working area limitation ABB			B	
035819	ZE 0: operation slewing no or invalid operation mode shut-down			B	
035820	ZE 0: operation slewing shut-down slewing right LMB			B	
035821	ZE 0: operation slewing shut-down slewing left LMB			B	
035822	ZE 0: operation slewing Shut-down right-hand swing maximum load exceeded			B	
035823	ZE 0: operation slewing Shut-down left-hand swing maximum load exceeded			B	
035831	ZE 0: operation slewing Master switch 2 faulty/not present			B	
035837	ZE 0: operation slewing Selection Turning without selection parking brake slewing gear open Issuance of error, as long as selection turn and no selection release parking brake slewing gear Press button release parking brake slewing gear or release master switch slewing gear			B	
035838	ZE 0: operation slewing Button parking brake slewing gear, switch release crawler simultaneous Issuance of error as long as switch release crawler is switched, slewing brake cannot be released Turn switch release crawler off or release button parking brake slewing gear.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
035839	ZE 0: operation slewing seat contact shut-down			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
035844	ZE 0: operation slewing Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			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
036930	ZE 0: Operation crane control Turntable unpinned causes DW-Brake to be applied and LMB-Stop. 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	1
037049	ZE 0: operation instruments crane operators cab seat contact not activated, crane movements blocked output of error, shut-down through application sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	1
037313	ZE 0: operation instruments armrest left master switch 2X not in neutral when starting output of error, shut-down through application release master switch briefly or check LICCON input, gear lines, sensor			B	1
039800	ZE 0: operation diagnosis system interruption, master switch defective or incorrectly deflected Carrying out of test program delayed / interrupted Note direction of movements, carry out test program again			B	1
039801	ZE 0: operation diagnosis system interruption, master switch defective/missing Carrying out of test program delayed / interrupted Check master switch, carry out test program again			B	1
039802	ZE 0: operation diagnosis system interruption, incorrect or no operation mode Carrying out of test program delayed / interrupted Set correct operation type, if necessary dismantle accessory, carry out test program again			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
039803	ZE 0: operation diagnosis system Break, incorrect/faulty bolting condition swing gear Carrying out of test program delayed / interrupted Unbolt slewing platform or check swing signals			B	1
039814	ZE 0: operation diagnosis system Alignment aid not correctly shut down Invalid operation condition, no proper crane operation possible Apply F key, end active test program			B	1
039820	ZE 0: operation diagnosis system interruption, boom angle beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct luffing position, carry out test program again			B	1
039821	ZE 0: operation diagnosis system interruption, tele length beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct telescopic boom length length, carry out test program again			B	1
039822	ZE 0: operation diagnosis system interruption, hook load beyond the prescribed range Carrying out of test program delayed / interrupted Note max. hook load, carry out test program again			B	1
039824	ZE 0: operation diagnosis system interruption, end of stroke switch activated/defective/missing Carrying out of test program delayed / interrupted Check hoist limit switch, carry out test program again			B	1
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
110260	ZE 1: output 2 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
110560	ZE 1: output 5 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
110660	ZE 1: output 6 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
110760	ZE 1: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120104	ZE 1: LSB participant address 1 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
120804	ZE 1: LSB participant address 8 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
120805	ZE 1: 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	X635A:z14/z16		E	1
120818	ZE 1: 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	X635A:z14/z16		E	0
120850	ZE 1: 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	X635A:z14/z16		E	2
120851	ZE 1: 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	X635A:z14/z16		E	2
120853	ZE 1: 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	X635A:z14/z16		E	1
120854	ZE 1: 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	X635A:z14/z16		E	2
120864	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
120865	ZE 1: 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	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120866	ZE 1: 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	X635A:z14/z16		E	2
120867	ZE 1: 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	X635A:z14/z16		E	1
120904	ZE 1: LSB participant address 9 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
120905	ZE 1: 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	X635A:z14/z16		E	1
120918	ZE 1: 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	X635A:z14/z16		E	0
120950	ZE 1: 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	X635A:z14/z16		E	2
120951	ZE 1: 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	X635A:z14/z16		E	2
120953	ZE 1: 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	X635A:z14/z16		E	1
120954	ZE 1: 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	X635A:z14/z16		E	2
120964	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120965	ZE 1: 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	X635A:z14/z16		E	2
120966	ZE 1: 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	X635A:z14/z16		E	2
120967	ZE 1: 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	X635A:z14/z16		E	1
121004	ZE 1: LSB participant address 10 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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
121304	ZE 1: LSB participant address 13 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
121305	ZE 1: 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	X635A:z14/z16		E	1
121318	ZE 1: 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	X635A:z14/z16		E	0
121350	ZE 1: 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	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121351	ZE 1: 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	X635A:z14/z16		E	2
121353	ZE 1: 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	X635A:z14/z16		E	1
121354	ZE 1: 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	X635A:z14/z16		E	2
121364	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
121365	ZE 1: 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	X635A:z14/z16		E	2
121366	ZE 1: 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	X635A:z14/z16		E	2
121367	ZE 1: 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	X635A:z14/z16		E	1
121404	ZE 1: LSB participant address 14 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
121405	ZE 1: 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	X635A:z14/z16		E	1
121418	ZE 1: 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	X635A:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121450	ZE 1: 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	X635A:z14/z16		E	2
121451	ZE 1: 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	X635A:z14/z16		E	2
121453	ZE 1: 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	X635A:z14/z16		E	1
121454	ZE 1: 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	X635A:z14/z16		E	2
121464	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
121465	ZE 1: 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	X635A:z14/z16		E	2
121466	ZE 1: 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	X635A:z14/z16		E	2
121467	ZE 1: 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	X635A:z14/z16		E	1
121604	ZE 1: LSB participant address 16 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
121605	ZE 1: 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	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121618	ZE 1: 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	X635A:z14/z16		E	0
121650	ZE 1: 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	X635A:z14/z16		E	2
121651	ZE 1: 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	X635A:z14/z16		E	2
121653	ZE 1: 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	X635A:z14/z16		E	1
121654	ZE 1: 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	X635A:z14/z16		E	2
121664	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
121665	ZE 1: 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	X635A:z14/z16		E	2
121666	ZE 1: 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	X635A:z14/z16		E	2
121667	ZE 1: 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	X635A:z14/z16		E	1
121704	ZE 1: LSB participant address 17 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121705	ZE 1: 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	X635A:z14/z16		E	1
121718	ZE 1: 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	X635A:z14/z16		E	0
121750	ZE 1: 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	X635A:z14/z16		E	2
121751	ZE 1: 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	X635A:z14/z16		E	2
121753	ZE 1: 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	X635A:z14/z16		E	1
121754	ZE 1: 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	X635A:z14/z16		E	2
121764	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
121765	ZE 1: 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	X635A:z14/z16		E	2
121766	ZE 1: 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	X635A:z14/z16		E	2
121767	ZE 1: 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	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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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, then clean, with regular 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
121904	ZE 1: LSB participant address 19 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
121905	ZE 1: 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	X635A:z14/z16		E	1
121918	ZE 1: 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	X635A:z14/z16		E	0
121950	ZE 1: 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	X635A:z14/z16		E	2
121951	ZE 1: 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	X635A:z14/z16		E	2
121953	ZE 1: 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	X635A:z14/z16		E	1
121954	ZE 1: 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	X635A:z14/z16		E	2
121964	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
121965	ZE 1: 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	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
121966	ZE 1: 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	X635A:z14/z16		E	2
121967	ZE 1: 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	X635A:z14/z16		E	1
122004	ZE 1: LSB participant address 20 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
122005	ZE 1: 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	X635A:z14/z16		E	1
122018	ZE 1: 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	X635A:z14/z16		E	0
122050	ZE 1: 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	X635A:z14/z16		E	2
122051	ZE 1: 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	X635A:z14/z16		E	2
122053	ZE 1: 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	X635A:z14/z16		E	1
122054	ZE 1: 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	X635A:z14/z16		E	2
122064	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
122065	ZE 1: 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	X635A:z14/z16		E	2
122066	ZE 1: 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	X635A:z14/z16		E	2
122067	ZE 1: 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	X635A:z14/z16		E	1
122104	ZE 1: LSB participant address 21 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
122105	ZE 1: 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	X635A:z14/z16		E	1
122118	ZE 1: 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	X635A:z14/z16		E	0
122150	ZE 1: 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	X635A:z14/z16		E	2
122151	ZE 1: 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	X635A:z14/z16		E	2
122153	ZE 1: 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	X635A:z14/z16		E	1
122154	ZE 1: 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	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
122164	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
122165	ZE 1: 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	X635A:z14/z16		E	2
122166	ZE 1: 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	X635A:z14/z16		E	2
122167	ZE 1: 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	X635A:z14/z16		E	1
122204	ZE 1: LSB participant address 22 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
122205	ZE 1: 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	X635A:z14/z16		E	1
122218	ZE 1: 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	X635A:z14/z16		E	0
122250	ZE 1: 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	X635A:z14/z16		E	2
122251	ZE 1: 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	X635A:z14/z16		E	2
122253	ZE 1: 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	X635A:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
122254	ZE 1: 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	X635A:z14/z16		E	2
122264	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
122265	ZE 1: 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	X635A:z14/z16		E	2
122266	ZE 1: 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	X635A:z14/z16		E	2
122267	ZE 1: 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	X635A:z14/z16		E	1
122904	ZE 1: LSB participant address 29 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
122905	ZE 1: 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	X635A:z14/z16		E	1
122918	ZE 1: 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	X635A:z14/z16		E	0
122950	ZE 1: 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	X635A:z14/z16		E	2
122951	ZE 1: 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	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
122953	ZE 1: 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	X635A:z14/z16		E	1
122954	ZE 1: 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	X635A:z14/z16		E	2
122964	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
122965	ZE 1: 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	X635A:z14/z16		E	2
122966	ZE 1: 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	X635A:z14/z16		E	2
122967	ZE 1: 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	X635A:z14/z16		E	1
123004	ZE 1: LSB participant address 30 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635A:z14/z16		E	1
123005	ZE 1: 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	X635A:z14/z16		E	1
123018	ZE 1: 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	X635A:z14/z16		E	0
123050	ZE 1: 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	X635A:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
123051	ZE 1: 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	X635A:z14/z16		E	2
123053	ZE 1: 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	X635A:z14/z16		E	1
123054	ZE 1: 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	X635A:z14/z16		E	2
123064	ZE 1: 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, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
123065	ZE 1: 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	X635A:z14/z16		E	2
123066	ZE 1: 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	X635A:z14/z16		E	2
123067	ZE 1: 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	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
130570	ZE 1: remote control emergency operation telescoping movement selected with LICCON			B	1
130571	ZE 1: remote control telescoping movement selected in manual operation			B	1
130572	ZE 1: remote control selection with 2-winch operation mode error report, telescoping prevented check SW-configuration, check LICCON input radio control			E	1
130573	ZE 1: remote control With master switch 3 selected error report, telescoping prevented check SW-configuration, check LICCON input radio control			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
132650	ZE 1: control telescoping Tele recognition faulty, more than one track switch reporting active Telescoping blocked, telestatus possibly tipped, possibly incorrect/no telescopic boom length length Switched limit switch, check cylinder attachment			E	1
134201	ZE 1: instruments armrest right master switch 1X both dir. contacts standing by simultaneously output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
134203	ZE 1: instruments armrest right master switch 1X directional contact without zero contact output of error, shut-down through application check supply, LICCON input, sensor lines for breaks , check defect sensor			E	1
134205	ZE 1: instruments armrest right master switch 1X analogue signal short to supply voltage output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
134209	ZE 1: instruments armrest right master switch 1X analogue sig. open circuit or short circ. to ground output of error, shut-down through application check supply, LICCON input, sensor line for breaks , defect sensor through withdrawing of sensor			E	1
134312	ZE 1: instruments armrest left master switch 2Y both dir. contacts standing by simultaneously output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
134314	ZE 1: instruments armrest left master switch 2Y directional contact without zero contact output of error, shut-down through application check supply, LICCON input, sensor lines for breaks , check defect sensor			E	1
134316	ZE 1: instruments armrest left master switch 2Y analogue signal short to supply voltage output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
134320	ZE 1: instruments armrest left master switch 2Y analogue sig. open circuit or short to ground output of error, shut-down through application check supply, LICCON input, sensor line for breaks , defect sensor through withdrawing of sensor			E	1
134801	ZE 1: control diagnosis system tele angle sensor defective/missing Carrying out of test program delayed / interrupted Check angle transmitter and connection, carry out test program again			E	1
134804	ZE 1: control diagnosis system end of stroke switch defective/missing Carrying out of test program delayed / interrupted Check hoist limit switch, lower hoist gear, carry out test program again			E	1
134805	ZE 1: control diagnosis system longitudinal sensor defective/missing Carrying out of test program delayed / interrupted Check length indicator and connection, carry out test program again			E	1
134820	ZE 1: control diagnosis system pressure value LS defective/missing Carrying out of test program delayed / interrupted Check LS pressure transducer, carry out test program again			E	1
134821	ZE 1: control diagnosis system pressure value P defective/missing Carrying out of test program delayed / interrupted Check P pressure transducer, carry out test program again			E	1
134822	ZE 1: control diagnosis system pressure value in luffing cylinder defective/missing Carrying out of test program delayed / interrupted Check pressure transducer luffing cylinder, carry out test program again			E	1
134834	ZE 1: control diagnosis system Pressure cut-off cylinder out outside of permissible area Carrying out of test program delayed / interrupted Check pressure cylinder Off, carry out test program again			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
134835	ZE 1: control diagnosis system Pressure cut-off tele out outside of permissible area Carrying out of test program delayed / interrupted Check pressure telescopic boom length Off, carry out test program again			E	1
134836	ZE 1: control diagnosis system Pressure cut-off cylinder in outside of permissible area Carrying out of test program delayed / interrupted Check pressure cylinder On, carry out test program again			E	1
134837	ZE 1: control diagnosis system Pressure cut-off tele in outside of permissible area Carrying out of test program delayed / interrupted Check pressure telescopic boom length On, carry out test program again			E	1
134877	ZE 1: control diagnosis system Initial current telescoping in above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
134878	ZE 1: control diagnosis system Initial current telescoping in below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
134879	ZE 1: control diagnosis system Initial current telescoping out above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
134880	ZE 1: control diagnosis system Initial current telescoping out below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
134881	ZE 1: control diagnosis system Speed telescoping in below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
134882	ZE 1: control diagnosis system Speed telescoping in above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
134883	ZE 1: control diagnosis system Speed telescoping out below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
134884	ZE 1: control diagnosis system Speed telescoping out above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
134885	ZE 1: control diagnosis system Hysteresis telescoping in outside of permissible area Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
134886	ZE 1: control diagnosis system Hysteresis telescoping out outside of permissible area Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
135608	ZE 1: operation telescoping shut-down tele OUT main boom working area limitation ABB			B	
135609	ZE 1: operation telescoping shut-down tele IN main boom working area limitation ABB			B	
135619	ZE 1: operation telescoping no or invalid operation mode shut-down			B	
135620	ZE 1: operation telescoping LMB shut-down			B	
135621	ZE 1: operation telescoping shut-down release of extending LMB			B	
135622	ZE 1: operation telescoping shut-down tipping risk to rear			B	
135630	ZE 1: operation telescoping master switch 1 defective/missing			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
135631	ZE 1: operation telescoping master switch 2 defective/missing			B	
135632	ZE 1: operation telescoping master switch 3 defective/missing			B	1
135635	ZE 1: operation telescoping right foot tipping switch defective/missing			B	
135639	ZE 1: operation telescoping seat contact shut-down			B	
13563E	ZE 1: operation telescoping 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
135640	ZE 1: operation telescoping length measurement shut-down defective/missing			B	
135644	ZE 1: operation telescoping Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			B	
135649	ZE 1: operation telescoping Shut-down hoist limit switch 4 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
135650	ZE 1: operation telescoping end of stroke switch shut-down 1			B	
135651	ZE 1: operation telescoping end of stroke switch shut-down 2			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
135652	ZE 1: operation telescoping end of stroke switch shut-down 3			B	
135660	ZE 1: operation telescoping unbolting telescope not possible, cylinder is not bolted			B	
135661	ZE 1: operation telescoping unbolting telescope not possible, no LMB release			B	
135662	ZE 1: operation telescoping unbolting telescope/cylinder not possible, simultaneous selection			B	
135663	ZE 1: operation telescoping unbolting cylinder not possible, telescope is not bolted			B	
135664	ZE 1: operation telescoping unbolting cylinder not possible, automatic system adjusted			B	
135665	ZE 1: operation telescoping unbolting telescope not possible, automatic system adjusted			B	
135681	ZE 1: operation telescoping end of stroke switch 1 shut-down defective			B	
135682	ZE 1: operation telescoping end of stroke switch 2 shut-down defective			B	
135683	ZE 1: operation telescoping end of stroke switch 3 shut-down defective			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
135689	ZE 1: operation telescoping Shut-down hoist limit switch 4 faulty operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
135690	ZE 1: operation telescoping cylinder bolting is neither unpinned nor in a pivot section			B	
135691	ZE 1: operation telescoping telescope OUT/IN shut-down, cylinder is not pinned			B	
136019	ZE 1: operation additional equipment no or invalid operation mode shut-down Issue of error, operational shut-down, non-shuntable During telescoping do not change over to WW- / KSPW - operation, otherwise crane will shut down			B	
136948	ZE 1: Operation crane control Selection bypass hoist top - not possible - try again operational shut down Bypass is permitted only limited, possibly reactivate bypass.			B	2
136949	ZE 1: 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
13694A	ZE 1: 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
13694C	ZE 1: Operation crane control Selection bypass LMB emerg. operation -not possible- retry operational shut down Bypass is only permitted on limited basis and time controlled, possibly bypass can be reactived			B	2
13694E	ZE 1: 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
13694F	ZE 1: 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
136952	ZE 1: Operation crane control Selection bypass LMB assembly - not possible - try again operational shut down Bypass is only permitted on limited basis and time controlled, possibly bypass can be reactived			B	2
13695B	ZE 1: 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
13695C	ZE 1: 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
13695F	ZE 1: Operation crane control Selection bypass not possible - crane engine still running 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
136960	ZE 1: 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
136961	ZE 1: Operation crane control Selection bypass not possible - radio op. active 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
136962	ZE 1: 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
137049	ZE 1: operation instruments crane operators cab seat contact not activated, crane movements blocked output of error, shut-down through application sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	1
137201	ZE 1: operation instruments armrest right master switch 1X not in neutral when starting output of error, shut-down through application release master switch briefly or check LICCON input, gear lines, sensor			B	1
137312	ZE 1: operation instruments armrest left master switch 2Y not in neutral when starting output of error, shut-down through application release master switch briefly or check LICCON input, gear lines, sensor			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
139800	ZE 1: operation diagnosis system interruption, master switch defective or incorrectly deflected Carrying out of test program delayed / interrupted Note direction of movements, carry out test program again			B	1
139801	ZE 1: operation diagnosis system interruption, master switch defective/missing Carrying out of test program delayed / interrupted Check master switch, carry out test program again			B	1
139802	ZE 1: operation diagnosis system interruption, incorrect or no operation mode Carrying out of test program delayed / interrupted Set correct operation type, if necessary dismantle accessory, carry out test program again			B	1
139804	ZE 1: operation diagnosis system Termination, change-over luff/telescoping incorrect switch position Carrying out of test program delayed / interrupted Turn change-over luff./ tele. to correctly corresponding switch pos. ,erase error, actuate Reset and start again			B	1
139810	ZE 1: operation diagnosis system Termination, winch blocked Carrying out of test program delayed / interrupted Disconnect winch, carry out test program again			B	1
139812	ZE 1: operation diagnosis system Termination, windable rope length too short Carrying out of test program delayed / interrupted Check reeving wind off more rope, carry out test program again			B	1
139814	ZE 1: operation diagnosis system Alignment aid not correctly shut down Invalid operation condition, no proper crane operation possible Apply F key, end active test program			B	1
139815	ZE 1: operation diagnosis system Switch over telescoping to operation type "Manual" Carrying out of test program delayed / interrupted Change over to manual operation telescoping, erase error, actuate Reset and start again			B	1
139820	ZE 1: operation diagnosis system interruption, boom angle beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct luffing position, carry out test program again			B	1
139821	ZE 1: operation diagnosis system interruption, tele length beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct telescopic boom length length, carry out test program again			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
139822	ZE 1: operation diagnosis system interruption, hook load beyond the prescribed range Carrying out of test program delayed / interrupted Note max. hook load, carry out test program again			B	1
139823	ZE 1: operation diagnosis system interruption, incorrect reeving Carrying out of test program delayed / interrupted Note lowest amount of reevings, carry out test program again			B	1
139824	ZE 1: operation diagnosis system interruption, end of stroke switch activated/defective/missing Carrying out of test program delayed / interrupted Check hoist limit switch, carry out test program again			B	1
139825	ZE 1: operation diagnosis system Termination, cylinder length outside of prescribed areas Carrying out of test program delayed / interrupted Start up correct cylinder length (preferably with 100% bolted), carry out test program again			B	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

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
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
210258	ZE 2: output 2 positive switching transistor: disruption	X72:18		E	1
210260	ZE 2: output 2 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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, then clean, with regular 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 report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220205	ZE 2: 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	X635B:z14/z16		E	1
220218	ZE 2: 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	X635B:z14/z16		E	0
220250	ZE 2: 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	X635B:z14/z16		E	2
220251	ZE 2: 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	X635B:z14/z16		E	2
220253	ZE 2: 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	X635B:z14/z16		E	1
220254	ZE 2: 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	X635B:z14/z16		E	2
220264	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
220265	ZE 2: 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	X635B:z14/z16		E	2
220266	ZE 2: 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	X635B:z14/z16		E	2
220267	ZE 2: 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	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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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, then clean, with regular 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
221404	ZE 2: LSB participant address 14 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
221405	ZE 2: 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	X635B:z14/z16		E	1
221418	ZE 2: 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	X635B:z14/z16		E	0
221450	ZE 2: 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	X635B:z14/z16		E	2
221451	ZE 2: 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	X635B:z14/z16		E	2
221453	ZE 2: 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	X635B:z14/z16		E	1
221454	ZE 2: 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	X635B:z14/z16		E	2
221464	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
221465	ZE 2: 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	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221466	ZE 2: 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	X635B:z14/z16		E	2
221467	ZE 2: 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	X635B:z14/z16		E	1
222004	ZE 2: LSB participant address 20 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
222005	ZE 2: 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	X635B:z14/z16		E	1
222018	ZE 2: 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	X635B:z14/z16		E	0
222050	ZE 2: 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	X635B:z14/z16		E	2
222051	ZE 2: 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	X635B:z14/z16		E	2
222053	ZE 2: 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	X635B:z14/z16		E	1
222054	ZE 2: 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	X635B:z14/z16		E	2
222064	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222065	ZE 2: 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	X635B:z14/z16		E	2
222066	ZE 2: 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	X635B:z14/z16		E	2
222067	ZE 2: 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	X635B:z14/z16		E	1
222104	ZE 2: LSB participant address 21 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
222105	ZE 2: 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	X635B:z14/z16		E	1
222118	ZE 2: 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	X635B:z14/z16		E	0
222150	ZE 2: 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	X635B:z14/z16		E	2
222151	ZE 2: 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	X635B:z14/z16		E	2
222153	ZE 2: 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	X635B:z14/z16		E	1
222154	ZE 2: 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	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222164	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
222165	ZE 2: 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	X635B:z14/z16		E	2
222166	ZE 2: 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	X635B:z14/z16		E	2
222167	ZE 2: 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	X635B:z14/z16		E	1
222304	ZE 2: LSB participant address 23 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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
222404	ZE 2: LSB participant address 24 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
222405	ZE 2: 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	X635B:z14/z16		E	1
222418	ZE 2: 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	X635B:z14/z16		E	0
222450	ZE 2: 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	X635B:z14/z16		E	2
222451	ZE 2: 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	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222453	ZE 2: 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	X635B:z14/z16		E	1
222454	ZE 2: 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	X635B:z14/z16		E	2
222464	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
222465	ZE 2: 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	X635B:z14/z16		E	2
222466	ZE 2: 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	X635B:z14/z16		E	2
222467	ZE 2: 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	X635B:z14/z16		E	1
222604	ZE 2: LSB participant address 26 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
222605	ZE 2: 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	X635B:z14/z16		E	1
222618	ZE 2: 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	X635B:z14/z16		E	0
222650	ZE 2: 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	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222651	ZE 2: 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	X635B:z14/z16		E	2
222653	ZE 2: 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	X635B:z14/z16		E	1
222654	ZE 2: 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	X635B:z14/z16		E	2
222664	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
222665	ZE 2: 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	X635B:z14/z16		E	2
222666	ZE 2: 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	X635B:z14/z16		E	2
222667	ZE 2: 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	X635B:z14/z16		E	1
222704	ZE 2: LSB participant address 27 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
222705	ZE 2: 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	X635B:z14/z16		E	1
222718	ZE 2: 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	X635B:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222750	ZE 2: 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	X635B:z14/z16		E	2
222751	ZE 2: 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	X635B:z14/z16		E	2
222753	ZE 2: 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	X635B:z14/z16		E	1
222754	ZE 2: 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	X635B:z14/z16		E	2
222764	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
222765	ZE 2: 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	X635B:z14/z16		E	2
222766	ZE 2: 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	X635B:z14/z16		E	2
222767	ZE 2: 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	X635B:z14/z16		E	1
222804	ZE 2: LSB participant address 28 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
222805	ZE 2: 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	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222818	ZE 2: 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	X635B:z14/z16		E	0
222850	ZE 2: 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	X635B:z14/z16		E	2
222851	ZE 2: 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	X635B:z14/z16		E	2
222853	ZE 2: 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	X635B:z14/z16		E	1
222854	ZE 2: 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	X635B:z14/z16		E	2
222864	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
222865	ZE 2: 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	X635B:z14/z16		E	2
222866	ZE 2: 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	X635B:z14/z16		E	2
222867	ZE 2: 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	X635B:z14/z16		E	1
222904	ZE 2: LSB participant address 29 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
222905	ZE 2: 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	X635B:z14/z16		E	1
222918	ZE 2: 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	X635B:z14/z16		E	0
222950	ZE 2: 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	X635B:z14/z16		E	2
222951	ZE 2: 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	X635B:z14/z16		E	2
222953	ZE 2: 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	X635B:z14/z16		E	1
222954	ZE 2: 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	X635B:z14/z16		E	2
222964	ZE 2: 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, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
222965	ZE 2: 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	X635B:z14/z16		E	2
222966	ZE 2: 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	X635B:z14/z16		E	2
222967	ZE 2: 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	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
225702	ZE 2: input 9 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	X635B:d20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
230500	ZE 2: remote control transmit, maximum transmission cycle radio contact exceeded radio control deactivated check radio receiver/-transmitter (battery!)			E	1
230501	ZE 2: remote control receive, disrupted connection to receiver/interrupted radio control deactivated check serial connection line to radio receiver			E	1
230502	ZE 2: remote control receive, transmission error (CRC) radio control temporarily deactivated check serial connection line to radio receiver and radio receiver/ -transmitter			E	1
230503	ZE 2: remote control receive, transmission cycle mark exceeded radio control temporarily deactivated check serial connection line to radio receiver and radio receiver/ -transmitter			E	1
230504	ZE 2: remote control receive, transmission cycle message exceeded radio control temporarily deactivated check serial connection line to radio receiver and radio receiver/ -transmitter			E	1
230574	ZE 2: remote control Emergency op. plug active			B	2
230575	ZE 2: remote control Assembly active			B	2
230576	ZE 2: remote control Bypass LMB active			B	2
230577	ZE 2: remote control Bypass LMB emerg. op. active			B	2
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
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
233001	ZE 2: control auxiliary equipment Switch-off luffing and folding jib luffing selected simultaneously Issue of error, operational shut-down, non-shuntable Check entry circuit board ZE2 or with radio remote control transmitter protocol and/or transmitter			E	
233900	ZE 2: crane control signal engine speed defective/missing output of error, a medium speed will now be adjusted for the output limitation check engine electronics, with permanent error contact after-sales service			E	1
233901	ZE 2: crane control Signal current engine momentum - Maximum erroneous / missing output of error, a medium torque will now be adjusted for the output limitation check engine electronics, with permanent error contact after-sales service			E	1
233930	ZE 2: crane control signal pressure sensor "P" or "LS" defective/missing output of error, load-sensing-regulation will be shut down, therefore pure control to LS without pressure difference P check supply, LICCON input, sensor lines to short or break, sensor			E	1
233933	ZE 2: crane control Signal press. tran. "P" lower lim value fallen short of (no press.! Diagnosis and output of error with "Control on without engine" check supply, LICCON input, sensor lines to short or break, sensor			E	1
233934	ZE 2: crane control Signal pressure transducer "P" lower limit value exceeded (no press.!) Diagnosis and output of error with "Control on without engine" check supply, LICCON input, sensor lines to short or break, sensor			E	1
233935	ZE 2: crane control Signal press. tran. "LS" lower lim value fallen short of (no press.!) Diagnosis and output of error with "Control on without engine" check supply, LICCON input, sensor lines to short or break, sensor			E	1
233936	ZE 2: crane control Signal press. tran. "LS" lower limit value exceeded (no pressure!) Diagnosis and output of error with "Control on without engine" check supply, LICCON input, sensor lines to short or break, sensor			E	1
233937	ZE 2: crane control Press. tran. "P" and "LS" outside permiss. signal diff (no press. Diagnosis and output of error with "Control on without engine" Replace pressure transducer "P" and/or "LS"			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
233938	ZE 2: crane control Signal pressure transducer "P" greater "LS" (no pressure!) Diagnosis and output of error with "Control on without engine" Swap pressure transducer "P" and "LS" with each other (mount P-sensor in LS position)			E	1
233942	ZE 2: crane control Limit switch boom steep incorrect/missing operational shut down Check or replace sensor			E	2
234200	ZE 2: instruments armrest right master switch 1Y both dir. contacts standing by simultaneously output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
234201	ZE 2: instruments armrest right master switch 1X both dir. contacts standing by simultaneously output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
234202	ZE 2: instruments armrest right master switch 1Y directional contact without zero contact output of error, shut-down through application check supply, LICCON input, sensor lines for breaks , check defect sensor			E	1
234203	ZE 2: instruments armrest right master switch 1X directional contact without zero contact output of error, shut-down through application check supply, LICCON input, sensor lines for breaks , check defect sensor			E	1
234204	ZE 2: instruments armrest right master switch 1Y analogue signal short to supply voltage output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
234205	ZE 2: instruments armrest right master switch 1X analogue signal short to supply voltage output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
234208	ZE 2: instruments armrest right master switch 1Y analogue sig. open circuit or short circ. to ground output of error, shut-down through application check supply, LICCON input, sensor line for breaks , defect sensor through withdrawing of sensor			E	1
234209	ZE 2: instruments armrest right master switch 1X analogue sig. open circuit or short circ. to ground output of error, shut-down through application check supply, LICCON input, sensor line for breaks , defect sensor through withdrawing of sensor			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
234312	ZE 2: instruments armrest left master switch 2Y both dir. contacts standing by simultaneously output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
234314	ZE 2: instruments armrest left master switch 2Y directional contact without zero contact output of error, shut-down through application check supply, LICCON input, sensor lines for breaks , check defect sensor			E	1
234316	ZE 2: instruments armrest left master switch 2Y analogue signal short to supply voltage output of error, shut-down through application check sensor lines for shorts, defect sensor through unplugging of sensor, connection to circuit board			E	1
234320	ZE 2: instruments armrest left master switch 2Y analogue sig. open circuit or short to ground output of error, shut-down through application check supply, LICCON input, sensor line for breaks , defect sensor through withdrawing of sensor			E	1
234801	ZE 2: control diagnosis system tele angle sensor defective/missing Carrying out of test program delayed / interrupted Check angle transmitter and connection, carry out test program again			E	1
234802	ZE 2: control diagnosis system winch incremental sensor defective/missing Carrying out of test program delayed / interrupted Check incremental sensor winch, carry out test program again			E	1
234804	ZE 2: control diagnosis system end of stroke switch defective/missing Carrying out of test program delayed / interrupted Check hoist limit switch and connection, lower hoist gear, carry out test program again			E	1
234805	ZE 2: control diagnosis system longitudinal sensor defective/missing Carrying out of test program delayed / interrupted Check length indicator and connection, carry out test program again			E	1
234811	ZE 2: control diagnosis system Boom angle value(s) implausible Carrying out of test program delayed / interrupted Check assembly / parameters / function of angle sensor			E	1
234820	ZE 2: control diagnosis system pressure value LS defective/missing Carrying out of test program delayed / interrupted Check LS pressure transducer, carry out test program again			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
234821	ZE 2: control diagnosis system pressure value P defective/missing Carrying out of test program delayed / interrupted Check P pressure transducer, carry out test program again			E	1
234822	ZE 2: control diagnosis system pressure value in luffing cylinder defective/missing Carrying out of test program delayed / interrupted Check pressure transducer luffing cylinder, carry out test program again			E	1
234823	ZE 2: control diagnosis system pressure value in hoisting gear defective/missing Carrying out of test program delayed / interrupted Adjust pressure, carry out test program again			E	1
234824	ZE 2: control diagnosis system Charge press. hoist gear or press. switch'Lower freely'faulty/not pre Carrying out of test program delayed / interrupted Check charge pressure, carry out test program again			E	1
234826	ZE 2: control diagnosis system Qmin value faulty / not present Carrying out of test program delayed / interrupted Check Qmin pump, carry out test program again			E	1
234830	ZE 2: control diagnosis system Pressure cut-off pump outside of permissible area Carrying out of test program delayed / interrupted Check pressure reduction and pressure limitation LS, carry out test program again			E	1
234831	ZE 2: control diagnosis system Pressure cut-off hoist gear lift outside of permissible area Carrying out of test program delayed / interrupted Check pressure hoist gear, carry out test program again			E	1
234832	ZE 2: control diagnosis system Pressure cut-off hoist gear lower outside of permissible area Carrying out of test program delayed / interrupted Check pressure hoist gear, carry out test program again			E	1
234845	ZE 2: control diagnosis system Winch turns with no brake selected Carrying out of test program delayed / interrupted Check hoist gear brake, carry out test program again			E	1
234846	ZE 2: control diagnosis system Initial current winch lift above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
234847	ZE 2: control diagnosis system Initial current winch lift below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234848	ZE 2: control diagnosis system Initial current winch lower above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234849	ZE 2: control diagnosis system Initial current winch lower below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234850	ZE 2: control diagnosis system winch speed hoisting too high Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234851	ZE 2: control diagnosis system winch speed hoisting too low Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234852	ZE 2: control diagnosis system winch speed lowering too low Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234853	ZE 2: control diagnosis system winch speed lowering too high Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234854	ZE 2: control diagnosis system Hysteresis winch lift too great Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
234855	ZE 2: control diagnosis system Hysteresis winch lower too great Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
234867	ZE 2: control diagnosis system Initial current luffing up above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
234868	ZE 2: control diagnosis system Initial current luffing up below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234869	ZE 2: control diagnosis system Initial current luffing down above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234870	ZE 2: control diagnosis system Initial current luffing down below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234871	ZE 2: control diagnosis system luffing speed luffing up too low Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234872	ZE 2: control diagnosis system luffing speed luffing up too high Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234873	ZE 2: control diagnosis system luffing speed luffing down too low Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234874	ZE 2: control diagnosis system luffing speed luffing down too high Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234875	ZE 2: control diagnosis system Hysteresis luffing up too great Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
234876	ZE 2: control diagnosis system Hysteresis luffing down too great Carrying out of test program delayed / interrupted Check proportional-flow valve			E	1
234888	ZE 2: control diagnosis system Initial current pump 1 above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
234889	ZE 2: control diagnosis system Initial current pump 1 below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234890	ZE 2: control diagnosis system Initial current pump 2 above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234891	ZE 2: control diagnosis system Initial current pump 2 below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234892	ZE 2: control diagnosis system Pump 1 final current or flow-rate below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234893	ZE 2: control diagnosis system Pump 1 final current or flow-rate above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234894	ZE 2: control diagnosis system Pump 2 Final current or flow-rate below permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234895	ZE 2: control diagnosis system Pump 2 Final current or flow-rate above permissible area Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
234896	ZE 2: control diagnosis system Hysteresis pump 1 outside of permissible area Carrying out of test program delayed / interrupted Check pump			E	1
234897	ZE 2: control diagnosis system Hysteresis pump 2 outside of permissible area Carrying out of test program delayed / interrupted Check pump			E	1
234898	ZE 2: control diagnosis system Readjustment of hoist gear lift outside of permissible area Carrying out of test program delayed / interrupted Check controller / gate valve / pressure balance / pump(s)			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
234899	ZE 2: control diagnosis system Readjustment hoist gear lower outside of permissible area Carrying out of test program delayed / interrupted Check controller / gate valve / pressure balance / pump(s)			E	1
235001	ZE 2: operation winch 1 feed pressure supply missing/too low operational shut down			B	
235004	ZE 2: operation winch 1 unreeled winch shut-down operational shut down reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	1
235005	ZE 2: operation winch 1 reeled winch shut-down operational shut down			B	
235019	ZE 2: operation winch 1 no or invalid operation mode shut-down operational shut down			B	
235020	ZE 2: operation winch 1 LMB shut-down operational shut down the "STOP" symbol appears in operation screen, the cause can be displayed through an LMB error output			B	1
235029	ZE 2: operation winch 1 winch blocked (C-key monitor) operational shut down disengage winch 1 in the control screen			B	1
235030	ZE 2: operation winch 1 master switch 1 defective/missing operational shut down briefly release master switch, or error elimination see corresponding system error			B	1
235039	ZE 2: operation winch 1 seat contact shut-down operational shut down sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	1
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
235044	ZE 2: operation winch 1 Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			B	
235049	ZE 2: operation winch 1 Shut-down hoist limit switch 4 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235050	ZE 2: operation winch 1 end of stroke switch shut-down 1 operational shut down reel out winch until the end of stroke switch is no longer active - shut-down can be shunted (danger)			B	1
235051	ZE 2: operation winch 1 end of stroke switch shut-down 2 operational shut down reel out winch until the end of stroke switch is no longer active - shut-down can be shunted (danger)			B	1
235052	ZE 2: operation winch 1 end of stroke switch shut-down 3 operational shut down reel out winch until the end of stroke switch is no longer active - shut-down can be shunted (danger)			B	1
235081	ZE 2: operation winch 1 end of stroke switch 1 shut-down defective			B	
235082	ZE 2: operation winch 1 end of stroke switch 2 shut-down defective			B	
235083	ZE 2: operation winch 1 end of stroke switch 3 shut-down defective			B	
235089	ZE 2: operation winch 1 Shut-down hoist limit switch 4 faulty operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235090	ZE 2: operation winch 1 hoisting gear pressure switch shut-down operational shut down check section in the LS-strut, LICCON output, line to short, pressure switch function			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235101	ZE 2: operation winch 2 feed pressure supply missing/too low operational shut down			B	
235104	ZE 2: operation winch 2 unreeled winch shut-down operational shut down reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	1
235105	ZE 2: operation winch 2 reeled winch shut-down operational shut down			B	
235119	ZE 2: operation winch 2 no or invalid operation mode shut-down operational shut down			B	
235120	ZE 2: operation winch 2 LMB shut-down operational shut down eliminate cause of the "LMB Stop" see error report LMB - shut-down can be shunted (danger)			B	1
235129	ZE 2: operation winch 2 winch blocked (C-key monitor) operational shut down release winch 2 in the control screen			B	1
235130	ZE 2: operation winch 2 master switch 1 defective/missing operational shut down			B	
235131	ZE 2: operation winch 2 master switch 2 defective/missing operational shut down briefly release master switch, or error elimination see corresponding system error			B	1
235139	ZE 2: operation winch 2 seat contact shut-down operational shut down sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235144	ZE 2: operation winch 2 Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			B	
235149	ZE 2: operation winch 2 Shut-down hoist limit switch 4 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235150	ZE 2: operation winch 2 end of stroke switch shut-down 1 operational shut down reel out winch until the end of stroke switch is no longer active - shut-down can be shunted (danger)			B	1
235151	ZE 2: operation winch 2 end of stroke switch shut-down 2 operational shut down reel out winch until the end of stroke switch is no longer active - shut-down can be shunted (danger)			B	1
235152	ZE 2: operation winch 2 end of stroke switch shut-down 3 operational shut down reel out winch until the end of stroke switch is no longer active - shut-down can be shunted (danger)			B	1
235181	ZE 2: operation winch 2 end of stroke switch 1 shut-down defective			B	
235182	ZE 2: operation winch 2 end of stroke switch 2 shut-down defective			B	
235183	ZE 2: operation winch 2 end of stroke switch 3 shut-down defective			B	
235189	ZE 2: operation winch 2 Shut-down hoist limit switch 4 faulty operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235190	ZE 2: operation winch 2 hoisting gear pressure switch shut-down operational shut down check section in the LS-strut, LICCON output, line to short, pressure switch function			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235201	ZE 2: operation winch 3 feed pressure supply missing/too low operational shut down			B	
235202	ZE 2: operation winch 3 hydraulic circuit pressure sensor defective/missing operational shut down			B	
235204	ZE 2: operation winch 3 unreeled winch shut-down operational shut down			B	
235205	ZE 2: operation winch 3 reeled winch shut-down operational shut down			B	
235206	ZE 2: operation winch 3 upper angle limit OGW shut-down operational shut down			B	
235207	ZE 2: operation winch 3 lower angle limit UGW shut-down operational shut down			B	
235210	ZE 2: operation winch 3 fly jib upper stop shut-down operational shut down			B	
235211	ZE 2: operation winch 3 fly jib upper flap shut-down operational shut down			B	
235212	ZE 2: operation winch 3 shut-down as lower fly jib and NA-boom 3 not positioned operational shut down			B	
235213	ZE 2: operation winch 3 shut-down as flap not positioned and angle threshold exceeded operational shut down			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235214	ZE 2: operation winch 3 pressure retaining cylinder RFP N shut-down outside set range operational shut down			B	
235215	ZE 2: operation winch 3 adjustable pulley-N on stop shut-down operational shut down			B	
235216	ZE 2: operation winch 3 luffing up accessory shut-down working area limitation ABB operational shut down			B	
235217	ZE 2: operation winch 3 luffing down accessory shut-down working area limitation ABB operational shut down			B	
235219	ZE 2: operation winch 3 no or invalid operation mode shut-down operational shut down			B	
235220	ZE 2: operation winch 3 LMB shut-down operational shut down			B	
235223	ZE 2: operation winch 3 transport setting assembly unit-N shut-down			B	
235229	ZE 2: operation winch 3 winch blocked (C-key monitor) operational shut down			B	
235230	ZE 2: operation winch 3 master switch 1 defective/missing operational shut down			B	
235231	ZE 2: operation winch 3 master switch 2 defective/missing operational shut down			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235240	ZE 2: operation winch 3 switch "MS2Y on winch 3" is OFF although winch 2 not sold operational shut down			B	
235241	ZE 2: operation winch 3 switch "MS2Y on winch 3" is ON although winch 3 not sold operational shut down			B	
235250	ZE 2: operation winch 3 end of stroke switch shut-down 1 operational shut down			B	
235251	ZE 2: operation winch 3 end of stroke switch shut-down 2 operational shut down			B	
235252	ZE 2: operation winch 3 end of stroke switch shut-down 3 operational shut down			B	
235270	ZE 2: operation winch 3 shut-down both limit switches "flap in position" defect./missing			B	
235271	ZE 2: operation winch 3 shut-down both limit switches "NA-boom 3 pos." defect./missing			B	
235272	ZE 2: operation winch 3 shut-down both angle sensors "fly jib" defective/missing			B	
235273	ZE 2: operation winch 3 shut-down both limit switches "lower fly jib" defective/missing			B	
235274	ZE 2: operation winch 3 shut-down both limit switches "upper fly jib flap" defect./missing			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235275	ZE 2: operation winch 3 shut-down both limit switches "upper fly jib stop"defect./missing			B	
235276	ZE 2: operation winch 3 shut-down limit switch adjustable pulley-N defective/missing			B	
235281	ZE 2: operation winch 3 end of stroke switch 1 shut-down defective			B	
235282	ZE 2: operation winch 3 end of stroke switch 2 shut-down defective			B	
235283	ZE 2: operation winch 3 end of stroke switch 3 shut-down defective			B	
235284	ZE 2: operation winch 3 shut-down both limit switches "transp. setting N" defect./missing			B	
235706	ZE 2: operation luffing upper angle limit OGW shut-down operational shut down luff main boom down until radius is within load chart again - shut-down can be shunted (danger)			B	1
235707	ZE 2: operation luffing lower angle limit UGW shut-down operational shut down luff main boom up until radius is within load chart again- shut-down can be shunted (danger)			B	1
235708	ZE 2: operation luffing luffing up of main boom shut-down working area limitation ABB operational shut down luff main boom down until crane is in working area again - shunting through shut-down of working area limitation			B	1
235709	ZE 2: operation luffing luffing down of main boom shut-down working area limitation ABB operational shut down luff main boom up until crane in working area again - shunting through shut-down of working area limitation			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235720	ZE 2: operation luffing LMB shut-down operational shut down eliminate cause of the "LMB Stop" see error report LMB - shut-down can be shunted (danger)			B	1
235722	ZE 2: operation luffing shut-down tipping risk to rear			B	
235730	ZE 2: operation luffing master switch 1 defective/missing operational shut down briefly release master switch, or error elimination see corresponding system error			B	1
235739	ZE 2: operation luffing seat contact shut-down operational shut down sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	1
23573E	ZE 2: operation luffing 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
235744	ZE 2: operation luffing Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			B	
235747	ZE 2: operation luffing Warning luffing up, dropping of load with reduction of reach			B	
235748	ZE 2: operation luffing Shut-down luffing up, dropping of load with reduction of reach			B	
235749	ZE 2: operation luffing Shut-down hoist limit switch 4 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235750	ZE 2: operation luffing end of stroke switch shut-down 1 operational shut down luff main boom up until end of stroke switch is no longer activated - shut-down can be shunted(danger)			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235751	ZE 2: operation luffing end of stroke switch shut-down 2 operational shut down luff main boom up until end of stroke switch is no longer activated - shut-down can be shunted(danger)			B	1
235752	ZE 2: operation luffing end of stroke switch shut-down 3 operational shut down luff main boom up until end of stroke switch is no longer activated - shut-down can be shunted(danger)			B	1
235760	ZE 2: operation luffing Shut-down limit switch main boom steep			B	
235781	ZE 2: operation luffing end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235782	ZE 2: operation luffing end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235783	ZE 2: operation luffing end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235789	ZE 2: operation luffing Shut-down hoist limit switch 4 faulty operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
236006	ZE 2: operation additional equipment Shut off Luffing up fixed jib upper limit angle OGW operational shut down luff main boom down until radius is within load chart again - shut-down can be shunted (danger)			B	1
236007	ZE 2: operation additional equipment Shut off Luffing down fixed jib lower limit angle UGW operational shut down luff main boom up until radius is within load chart again- shut-down can be shunted (danger)			B	1
236008	ZE 2: operation additional equipment Shut off Luffing up fixed jib working range limitation ABB operational shut down luff main boom down until crane is in working area again - shunting through shut-down of working area limitation			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
236009	ZE 2: operation additional equipment Shut off Luffing down fixed jib working range limitation ABB operational shut down luff main boom up until crane in working area again - shunting through shut-down of working area limitation			B	1
236018	ZE 2: operation additional equipment Shut-off incorrect operation type, incorrectly set up or not sold Issue of error, operational shut-down, non-shuntable Adjust or set up correct operation type or buy hydraulic folding jib			B	
236019	ZE 2: operation additional equipment no or invalid operation mode shut-down Issue of error, operational shut-down, non-shuntable Do not change operation type during operation, but rather with crane shut down; set correct operation type.			B	
236020	ZE 2: operation additional equipment LMB shut-down operational shut down eliminate cause of the "LMB Stop" see error report LMB - shut-down can be shunted (danger)			B	1
236022	ZE 2: operation additional equipment shut-down tipping risk to rear			B	
236039	ZE 2: operation additional equipment seat contact shut-down operational shut down sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	1
23603E	ZE 2: operation additional equipment 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
236044	ZE 2: operation additional equipment Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			B	
236047	ZE 2: operation additional equipment Warning luffing up, dropping of load with reduction of reach			B	
236048	ZE 2: operation additional equipment Shut-down luffing up, dropping of load with reduction of reach			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
236049	ZE 2: operation additional equipment Shut off Luffing down fixed jib hoist limit switch 4 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
236050	ZE 2: operation additional equipment Shut off Luffing down fixed jib hoist limit switch 1 operational shut down luff main boom up until end of stroke switch is no longer activated - shut-down can be shunted(danger)			B	1
236051	ZE 2: operation additional equipment Shut off Luffing down fixed jib hoist limit switch 2 operational shut down luff main boom up until end of stroke switch is no longer activated - shut-down can be shunted(danger)			B	1
236052	ZE 2: operation additional equipment Shut off Luffing down fixed jib hoist limit switch 3 operational shut down luff main boom up until end of stroke switch is no longer activated - shut-down can be shunted(danger)			B	1
236081	ZE 2: operation additional equipment Shut off Luff down fixed jib hoist limit switch 1 erroneous/missing operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
236082	ZE 2: operation additional equipment Shut off Luff down fixed jib hoist limit switch 2 erroneous/missing operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
236083	ZE 2: operation additional equipment Shut off Luff down fixed jib hoist limit switch 3 erroneous/missing operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
236089	ZE 2: operation additional equipment Shut off Luff down fixed jib hoist limit switch 4 erroneous/missing operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
236100	ZE 2: Operation ballasting / counterweight carriage Counterweight UP selected, final position not started report of error, otherwise no reaction Approach end position, if ok check: -supply, -input LICCON, -sensor line for short-circuit or interruption, -			B	1
236101	ZE 2: Operation ballasting / counterweight carriage Counterweight DOWN selected, final position not started report of error, otherwise no reaction Approach end position, if ok check: -supply, -input LICCON, -sensor line for short-circuit or interruption, -			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
236144	ZE 2: Operation ballasting / counterweight carriage Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			B	
236948	ZE 2: Operation crane control Selection bypass hoist top - not possible - try again operational shut down Bypass is permitted only limited, possibly reactivate bypass.			B	2
23694B	ZE 2: Operation crane control Selection luff up at overload- not possible - retry			B	
237049	ZE 2: operation instruments crane operators cab seat contact not activated, crane movements blocked output of error, shut-down through application sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	1
237200	ZE 2: operation instruments armrest right master switch 1Y not in neutral when starting output of error, shut-down through application release master switch briefly or check LICCON input, gear lines, sensor			B	1
237201	ZE 2: operation instruments armrest right master switch 1X not in neutral when starting output of error, shut-down through application release master switch briefly or check LICCON input, gear lines, sensor			B	1
237312	ZE 2: operation instruments armrest left master switch 2Y not in neutral when starting output of error, shut-down through application release master switch briefly or check LICCON input, gear lines, sensor			B	1
239800	ZE 2: operation diagnosis system interruption, master switch defective or incorrectly deflected Carrying out of test program delayed / interrupted Note direction of movements, carry out test program again			B	1
239801	ZE 2: operation diagnosis system interruption, master switch defective/missing Carrying out of test program delayed / interrupted Check master switch, carry out test program again			B	1
239802	ZE 2: operation diagnosis system interruption, incorrect or no operation mode Carrying out of test program delayed / interrupted Set correct operation type, if necessary dismantle accessory, carry out test program again			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
239804	ZE 2: operation diagnosis system Termination, change-over luff/telescoping incorrect switch position Carrying out of test program delayed / interrupted Turn change-over luff./ tele. to correctly corresponding switch pos. ,erase error, actuate Reset and start again			B	1
239810	ZE 2: operation diagnosis system Termination, winch blocked Carrying out of test program delayed / interrupted Disconnect winch, carry out test program again			B	1
239811	ZE 2: operation diagnosis system Termination, high-speed not keyed-in Carrying out of test program delayed / interrupted Key in high gear, carry out test program again			B	1
239812	ZE 2: operation diagnosis system Termination, windable rope length too short Carrying out of test program delayed / interrupted Check reeving wind off more rope, carry out test program again			B	1
239813	ZE 2: operation diagnosis system Termination, maximum speed < 100% (C-key) Carrying out of test program delayed / interrupted Adjust speed C key to 100%, carry out test program again			B	1
239814	ZE 2: operation diagnosis system Alignment aid not correctly shut down Invalid operation condition, no proper crane operation possible Apply F key, end active test program			B	1
239820	ZE 2: operation diagnosis system interruption, boom angle beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct luffing position, carry out test program again			B	1
239821	ZE 2: operation diagnosis system interruption, tele length beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct telescopic boom length length, carry out test program again			B	1
239822	ZE 2: operation diagnosis system interruption, hook load beyond the prescribed range Carrying out of test program delayed / interrupted Note max. hook load, carry out test program again			B	1
239823	ZE 2: operation diagnosis system interruption, incorrect reeving Carrying out of test program delayed / interrupted Note lowest amount of reevings, carry out test program again			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
239824	ZE 2: operation diagnosis system interruption, end of stroke switch activated/defective/missing Carrying out of test program delayed / interrupted Check hoist limit switch, carry out test program again			B	1
239830	ZE 2: operation diagnosis system Termination, op. temperature hydraulic oil below permissible area Carrying out of test program delayed / interrupted Operate engine and hydraulics to operating temperature, erase error, actuate Reset and start again			B	1
239831	ZE 2: operation diagnosis system Termination, op. temperature hydraulic oil above permissible area Test program is interrupted, set value not needed Allow hydr to cool, if nec. operate tele. boom length (cool via oil change),erase err, actuate Reset and restart			B	1
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
310070	ZE 3: output 0 measuring system defect no crane operation possible entry in error list	X73:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
310170	ZE 3: output 1 measuring system defect no crane operation possible entry in error list	X73:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310171	ZE 3: output 1 short circuit to ground or transistor defect	X73:17		E	1
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
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
310260	ZE 3: output 2 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	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
310273	ZE 3: output 2 open circuit or short circuit to supply voltage/ground	X73:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
310370	ZE 3: output 3 measuring system defect no crane operation possible entry in error list	X73:19		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
310758	ZE 3: output 7 positive switching transistor: disruption	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
315159	ZE 3: output group 1 supply voltage missing	X73:24		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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 and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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, then clean, with regular 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
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
334805	ZE 3: control diagnosis system longitudinal sensor defective/missing Carrying out of test program delayed / interrupted Check length indicator and connection, carry out test program again			E	1
334820	ZE 3: control diagnosis system pressure value LS defective/missing Carrying out of test program delayed / interrupted Check LS pressure transducer, carry out test program again			E	1
334821	ZE 3: control diagnosis system pressure value P defective/missing Carrying out of test program delayed / interrupted Check P pressure transducer, carry out test program again			E	1
334822	ZE 3: control diagnosis system pressure value in luffing cylinder defective/missing Carrying out of test program delayed / interrupted Check pressure transducer luffing cylinder, carry out test program again			E	1
334840	ZE 3: control diagnosis system Initial current crawler forward above permissible Bereich Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
334841	ZE 3: control diagnosis system Initial current crawler forward below permissible Bereich Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
334842	ZE 3: control diagnosis system Initial current crawler reverse above permissible Bereich Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
334843	ZE 3: control diagnosis system Initial current crawler reverse below permissible Bereich Carrying out of test program delayed / interrupted Check valve / pump / pressure			E	1
334844	ZE 3: control diagnosis system Re-regulation crawler forward outside permissible Bereich Carrying out of test program delayed / interrupted Check controller / gate valve / pressure balance / pump(s)			E	1
334887	ZE 3: control diagnosis system Re-regulation crawler reverse outside permissible Bereich Carrying out of test program delayed / interrupted Check controller / gate valve / pressure balance / pump(s)			E	1
336219	ZE 3: Operation crawler no or invalid operation mode shut-down Issue of error, operational shut-down, non-shuntable Either release master switch or turn off switch crawler "ON"!			B	
336230	ZE 3: Operation crawler Master switch 4 faulty/not present operational shut down			B	
336231	ZE 3: Operation crawler Master switch 5 faulty/not present operational shut down			B	
336239	ZE 3: Operation crawler seat contact shut-down operational shut down sit down (seat limit switch) or dead man (in master switch) or check LICCON input, sensor lines, sensor			B	
336244	ZE 3: Operation crawler Shut-off crane engine not running operational shut down Start crane engine. For test purposes actuate bridging "without engine" (control ON without engine).			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
339800	ZE 3: operation diagnosis system interruption, master switch defective or incorrectly deflected Carrying out of test program delayed / interrupted Note direction of movements, carry out test program again			B	1
339801	ZE 3: operation diagnosis system interruption, master switch defective/missing Carrying out of test program delayed / interrupted Check master switch, carry out test program again			B	1
339802	ZE 3: operation diagnosis system interruption, incorrect or no operation mode Carrying out of test program delayed / interrupted Set correct operation type, if necessary dismantle accessory, carry out test program again			B	1
339805	ZE 3: operation diagnosis system Abort, impermissible slewing gear position Carrying out of test program delayed / interrupted Turn change-over luff./ tele. to correctly corresponding switch pos. ,erase error, actuate Reset and start again			B	1
339811	ZE 3: operation diagnosis system Termination, high-speed not keyed-in Carrying out of test program delayed / interrupted Key in high gear, carry out test program again			B	1
339816	ZE 3: operation diagnosis system Pump is not set Carrying out of test program delayed / interrupted Change over to manual operation telescoping, erase error, actuate Reset and start again			B	1
339820	ZE 3: operation diagnosis system interruption, boom angle beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct luffing position, carry out test program again			B	1
339821	ZE 3: operation diagnosis system interruption, tele length beyond the prescribed range Carrying out of test program delayed / interrupted Extend to correct telescopic boom length length, carry out test program again			B	1
339822	ZE 3: operation diagnosis system interruption, hook load beyond the prescribed range Carrying out of test program delayed / interrupted Note max. hook load, carry out test program again			B	1
339823	ZE 3: operation diagnosis system interruption, incorrect reeving Carrying out of test program delayed / interrupted Note lowest amount of reevings, carry out test program again			B	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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-module			E	2
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-module			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-module			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-module			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
661031	E/A-Modul 6: system error OS-C167 CPU-test faulty error indication on display CPU faulty, replace E/A-module			E	2
661032	E/A-Modul 6: system error OS-C167 Time limit exceeded control CAN-transmission (timeout driver) error indication on display Ignition on/off, with repeated occurrence --> replace E/A-module			E	2
661033	E/A-Modul 6: system error OS-C167 Time limit exceeded control analogous inlets (timeout driver) error indication on display Ignition on/off, with repeated occurrence --> replace E/A-module			E	2
661034	E/A-Modul 6: system error OS-C167 Time limit exceeded control SPI-operating unit (timeout driver) error indication on display Ignition on/off, with repeated occurrence --> replace E/A-module			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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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-module			E	2
661088	E/A-Modul 6: system error OS-C167 Configuration does not match software condition			E	2
672052	E/A-Modul 6: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display Check outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:17		E	1
672053	E/A-Modul 6: input/output DEA0 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:17		E	1
672054	E/A-Modul 6: input/output DEA0 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:15		E	1
672153	E/A-Modul 6: input/output DEA1 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:15		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672154	E/A-Modul 6: input/output DEA1 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:13		E	1
672253	E/A-Modul 6: input/output DEA2 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:13		E	1
672254	E/A-Modul 6: input/output DEA2 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:11		E	1
672353	E/A-Modul 6: input/output DEA3 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:11		E	1
672354	E/A-Modul 6: input/output DEA3 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	X663:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672452	E/A-Modul 6: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display Check outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:9		E	1
672453	E/A-Modul 6: input/output DEA4 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:9		E	1
672454	E/A-Modul 6: input/output DEA4 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	X663:9		E	1
672455	E/A-Modul 6: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display Check outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:7		E	1
672553	E/A-Modul 6: input/output DEA5 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:7		E	1
672554	E/A-Modul 6: input/output DEA5 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:5		E	1
672653	E/A-Modul 6: input/output DEA6 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:5		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672654	E/A-Modul 6: input/output DEA6 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:3		E	1
672753	E/A-Modul 6: input/output DEA7 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:3		E	1
672754	E/A-Modul 6: input/output DEA7 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
679052	E/A-Modul 6: output A0 output open, to low load, short circuit to supply voltage error report on display Check outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:18		E	1
679053	E/A-Modul 6: output A0 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:18		E	1
679054	E/A-Modul 6: output A0 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	X663:18		E	1
679055	E/A-Modul 6: output A0 excessive temperature, short circuit to ground or overload error report on display Check outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:16		E	1
679153	E/A-Modul 6: output A1 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:16		E	1
679154	E/A-Modul 6: output A1 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	X663:16		E	1
679155	E/A-Modul 6: output A1 excessive temperature, short circuit to ground or overload error report on display Check outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	X663:16		E	1
679250	E/A-Modul 6: bridge output A2 short circuit to ground, junction not supplied error report on display Check outlet for short circuit, check charge of power supply, if necess. replace E/A-module	X663:14		E	1
679251	E/A-Modul 6: bridge output A2 short circuit to supply voltage, excessive temperature error report on display Check outlet for short circuit, check charge at outlet (measure current), if necess. replace E/A-module	X663:14		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
679252	E/A-Modul 6: bridge output A2 output open, to low load, short circuit to supply voltage error report on display Check outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:14		E	1
679253	E/A-Modul 6: bridge output A2 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:14		E	1
679254	E/A-Modul 6: bridge output A2 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	X663:14		E	1
679255	E/A-Modul 6: bridge output A2 excessive temperature, short circuit to ground or overload error report on display Check outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	X663:14		E	1
679350	E/A-Modul 6: bridge output A3 short circuit to ground, junction not supplied error report on display Check outlet for short circuit, check charge of power supply, if necess. replace E/A-module	X663:12		E	1
679351	E/A-Modul 6: bridge output A3 short circuit to supply voltage, excessive temperature error report on display Check outlet for short circuit, check charge at outlet (measure current), if necess. replace E/A-module	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 outlet for wire breaks, check charge at outlet (measure current), if necess. replace E/A-module	X663:12		E	1
679353	E/A-Modul 6: bridge output A3 transistor current supply insufficient or missing error report on display Check power supply and fuse of E/A-module, if necess. replace E/A-module	X663:12		E	1
679354	E/A-Modul 6: bridge output A3 short circuit to supply voltage error report on display Check outlet for short circuit, if necess. replace E/A-module	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 outlet for short circuit, check power supply, fuse of E/A-module, if necess. replace E/A-module	X663:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
684050	E/A-Modul 6: LSB-B participant address 0 reports an incorrect sensor type Check Bus configuration in LSB test system, remove faulty / incorrect users from Bus	X663:4/6		E	1
684104	E/A-Modul 6: LSB-B participant address 1 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	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
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, then clean, with regular 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
684204	E/A-Modul 6: LSB-B participant address 2 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X663:4/6		E	1
684205	E/A-Modul 6: 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	X663:4/6		E	1
684218	E/A-Modul 6: 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	X663:4/6		E	0
684250	E/A-Modul 6: 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	X663:4/6		E	2
684251	E/A-Modul 6: 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	X663:4/6		E	2
684253	E/A-Modul 6: 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	X663:4/6		E	1
684254	E/A-Modul 6: 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	X663:4/6		E	2
684264	E/A-Modul 6: 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, then clean, with regular occurrence replace sensor	X663:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
684265	E/A-Modul 6: 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	X663:4/6		E	2
684266	E/A-Modul 6: 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	X663:4/6		E	2
684267	E/A-Modul 6: 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	X663:4/6		E	1
686004	E/A-Modul 6: LSB-B participant address 20 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X663:4/6		E	1
686005	E/A-Modul 6: 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	X663:4/6		E	1
686018	E/A-Modul 6: 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	X663:4/6		E	0
686050	E/A-Modul 6: 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	X663:4/6		E	2
686051	E/A-Modul 6: 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	X663:4/6		E	2
686053	E/A-Modul 6: 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	X663:4/6		E	1
686054	E/A-Modul 6: 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	X663:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
686064	E/A-Modul 6: 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, then clean, with regular occurrence replace sensor	X663:4/6		E	1
686065	E/A-Modul 6: 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	X663:4/6		E	2
686066	E/A-Modul 6: 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	X663:4/6		E	2
686067	E/A-Modul 6: 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	X663:4/6		E	1
686104	E/A-Modul 6: LSB-B participant address 21 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X663:4/6		E	1
686105	E/A-Modul 6: LSB-B 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	X663:4/6		E	1
686118	E/A-Modul 6: LSB-B participant address 21 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
686150	E/A-Modul 6: LSB-B 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	X663:4/6		E	2
686151	E/A-Modul 6: LSB-B 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	X663:4/6		E	2
686153	E/A-Modul 6: LSB-B 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	X663:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
686154	E/A-Modul 6: LSB-B 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	X663:4/6		E	2
686164	E/A-Modul 6: LSB-B participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X663:4/6		E	1
686165	E/A-Modul 6: LSB-B 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	X663:4/6		E	2
686166	E/A-Modul 6: LSB-B 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	X663:4/6		E	2
686167	E/A-Modul 6: LSB-B 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	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
692000	E/A-Modul 6: control engine long-term disruption E/A-Modul <-> accelerator crane op. cab engine in idle speed, after re-generation of the connection first idle speed check LSB-connection ZE<>E/A-Modul, crane operators cab accelerator or connection to ZE (test system)			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, E/A-module is also in CAN-emergency operation Engine electronics remain in emergency speed --> remedy error via ignition OFF			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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
695050	E/A-Modul 6: operation engine no engine start possible as engine already recognized as ON function is not carried out			B	
695057	E/A-Modul 6: operation engine STOP, signal in OW from operation types-change-over not present Starting lock engine or after 3 secs. timeout engine-stop Switch change-over to "OW", if necessary check signal to E/A-Modul 6			B	
695076	E/A-Modul 6: operation engine accelerator op. cab blocked when auxiliary brake active or selected function is not carried out			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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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.X1:61/47/33		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.X1:61/47/33		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.X1:61/47/33		E	1
898406	Engine uppercarr. Sensor charge air pr, signal implausible Check sensor, wiring, input on control unit	A750.X1:61/47/33		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.X1:63/49/35		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.X1:63/49/35		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.X1:63/49/35		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.X1:63/49/35		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.X1:63/49/35		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.X1:63/49/35		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
900106	engine R4: 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
900107	engine R4: control device engine Data communication CAN cancelled emergency operation check cable/plugs for UB- or shorts to ground	X705:1/4/7		E	1
900208	engine R4: 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
900308	engine R4: CAN-participant gear Data transfer faulty/missing, max. cycle time exceeded limited function check cable/plugs/gear electronics	X705:1/4/7		E	1
900408	engine R4: 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
900709	engine R4: 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
900809	engine R4: 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
900910	engine R4: 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
901002	engine R4: 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
901003	engine R4: 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
901004	engine R4: 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
901005	engine R4: 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
901102	engine R4: 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
901103	engine R4: 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
901104	engine R4: 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
901105	engine R4: 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
901201	engine R4: 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
901210	engine R4: 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
901611	engine R4: 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
901701	engine R4: 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
901812	engine R4: 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
901813	engine R4: alternator D+ open signal circuits signal ignored check cable/plugs for breaks	X703:14		E	1
901814	engine R4: alternator D+ short circuit to supply voltage signal ignored check cable/plugs for UB-shorts	X703:14		E	1
901906	engine R4: 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
901907	engine R4: 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
902012	engine R4: 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
902112	engine R4: 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
902113	engine R4: 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
902114	engine R4: 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
902602	engine R4: 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
902603	engine R4: 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
902702	engine R4: 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
902703	engine R4: 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
902802	engine R4: 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
902803	engine R4: 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
903102	engine R4: 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
903103	engine R4: 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
903202	engine R4: 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
903203	engine R4: 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
903313	engine R4: 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
903402	engine R4: 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
903403	engine R4: 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
903601	engine R4: trigger flame type heater plug(s) FGK unit defect shut off FGK and MVE	X701:4		E	1
903614	engine R4: trigger flame type heater plug(s) FGK short circuit to supply voltage	X701:4		E	1
903615	engine R4: trigger flame type heater plug(s) FGK open electric circuit error report check cable/plugs for breaks, replace Relaismodul	X701:4		E	1
903618	engine R4: 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
903714	engine R4: solenoid valve additional flow for starting short circuit to supply voltage	X701:6		E	1
903715	engine R4: 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
903718	engine R4: 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
903814	engine R4: engine start 50A short circuit to supply voltage	X701:5		E	1
903815	engine R4: 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
903818	engine R4: 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
904118	engine R4: control device ECU excess temperature error report allow machine to cool, check installation location, if necessary take further cooling measures	X701		E	1
904119	engine R4: control device ECU deviation engine-Stop regulator-reset (Kl.15), Check cable/plugs EDC-actuator, EDC-actuator; ECU, replace injector pump	X701		E	1
904120	engine R4: control device ECU saving error	X701		E	1
904221	engine R4: 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
904320	engine R4: 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
904321	engine R4: 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
906124	engine R4: 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
906125	engine R4: 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
906224	engine R4: 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
906225	engine R4: 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
906324	engine R4: 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
906424	engine R4: 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
906522	engine R4: air filter pressure pre-warning disruption limit 1 pre-warning replace air filter at next opportunity	X703:7/8/9		E	1
906525	engine R4: air filter pressure pre-warning disruption limit 2 warning replace air filter immediately	X703:7/8/9		E	1
906624	engine R4: v-belt break pre-warning disruption limit 1 warning replace V-belts, check generator and replace if necessary	X703:14		E	1
906724	engine R4: 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
906824	engine R4: 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
906825	engine R4: 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
906924	engine R4: 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
906925	engine R4: 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
908150	engine R4: v-belt-control service report interval 1 attained/exceeded report check and return	X70		E	1
908250	engine R4: change engine oil filter service report interval 1 attained/exceeded report check and return	X70		E	1
908350	engine R4: change engine oil service report interval 1 attained/exceeded report change oil and return	X70		E	1
908351	engine R4: change engine oil service report interval 2 attained/exceeded report change oil and return	X70		E	1
908352	engine R4: change engine oil service report interval 3 attained/exceeded report change oil and return	X70		E	1
908353	engine R4: change engine oil service report interval 4 attained/exceeded report change oil and return	X70		E	1
908354	engine R4: change engine oil service report interval 5 attained/exceeded report change oil and return	X70		E	1
908355	engine R4: change engine oil service report interval 6 attained/exceeded report change oil and return	X70		E	1
908356	engine R4: 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
908357	engine R4: change engine oil service report interval 8 attained/exceeded report change oil and return	X70		E	1
908358	engine R4: change engine oil service report interval 9 attained/exceeded report change oil and return	X70		E	1
908359	engine R4: change engine oil service report interval 10 attained/exceeded report change oil and return	X70		E	1
908650	engine R4: check battery service report interval 1 attained/exceeded report check and return	X70		E	1
908750	engine R4: change water filter service report interval 1 attained/exceeded report change filter and return	X70		E	1
908850	engine R4: check antifreeze service report interval 1 attained/exceeded report check and return	X70		E	1
908950	engine R4: fuel filter level 1 service report interval 1 attained/exceeded report change filter and return	X70		E	1
909050	engine R4: fuel filter level 2 service report interval 1 attained/exceeded report change filter and return	X70		E	1
909150	engine R4: valve clearance service report interval 1 attained/exceeded report check and return	X70		E	1
909250	engine R4: fuel injection valves service report interval 1 attained/exceeded report check and return	X70		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
909350	engine R4: coolant service report interval 1 attained/exceeded report check and return	X70		E	1