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# LICCON Error Code Manual

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**LR-11350**

**074820**

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## LICCON ERROR CODE (LEC)

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Reference	Identification number	Illustration number
Electrics Superstructure	2	128000
Electrics Carrier	/tmp/zfile	28.11.2013
Error list	-2082781	9149-700.00.00.000.012

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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				
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 reentrant entry in error memory, all crane movements will be stopped			E	2
000060	ZE 0: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2

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

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



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

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

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010354	ZE 0: output 3 short circuit to supply voltage	X70:19		E	1
010358	ZE 0: output 3 positive switching transistor: disruption	X70:19		E	1
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
010362	ZE 0: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X70:19		E	1
010363	ZE 0: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010413	ZE 0: output 4 open signal circuits	X70:20		E	1
010414	ZE 0: output 4 short circuit to supply voltage	X70:20		E	1
010454	ZE 0: output 4 short circuit to supply voltage	X70:20		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010514	ZE 0: output 5 short circuit to supply voltage	X70:21		E	1
010554	ZE 0: output 5 short circuit to supply voltage	X70:21		E	1
010558	ZE 0: output 5 positive switching transistor: disruption	X70:21		E	1
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
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
010754	ZE 0: output 7 short circuit to supply voltage	X70:23		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
010758	ZE 0: output 7 positive switching transistor: disruption	X70:23		E	1
010760	ZE 0: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X70:23		E	1
010762	ZE 0: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X70:23		E	1
010763	ZE 0: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X70:23		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
015159	ZE 0: output group 1 supply voltage missing	X70:24		E	1
015259	ZE 0: output group 2 supply voltage missing	X70:25		E	1
015359	ZE 0: output group 3 supply voltage missing	X70:13		E	1
020004	ZE 0: LSB participant address 0 level exceeded report of error, otherwise no reaction Check sensor installation 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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020154	ZE 0: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020164	ZE 0: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, 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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
020253	ZE 0: LSB participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
020254	ZE 0: LSB participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
020264	ZE 0: LSB participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, 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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
021104	ZE 0: 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.	X635:z14/z16		E	1
021105	ZE 0: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635:z14/z16		E	1
021118	ZE 0: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021150	ZE 0: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635:z14/z16		E	2
021151	ZE 0: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635:z14/z16		E	2
021153	ZE 0: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635:z14/z16		E	1
021154	ZE 0: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635:z14/z16		E	2
021164	ZE 0: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635:z14/z16		E	1
021165	ZE 0: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635:z14/z16		E	2
021166	ZE 0: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635:z14/z16		E	2
021167	ZE 0: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635:z14/z16		E	1
021204	ZE 0: 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.	X635:z14/z16		E	1
021205	ZE 0: 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	X635:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
021218	ZE 0: 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	X635:z14/z16		E	0
021250	ZE 0: 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	X635:z14/z16		E	2
021251	ZE 0: 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	X635:z14/z16		E	2
021253	ZE 0: 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	X635:z14/z16		E	1
021254	ZE 0: 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	X635:z14/z16		E	2
021264	ZE 0: 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	X635:z14/z16		E	1
021265	ZE 0: 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	X635:z14/z16		E	2
021266	ZE 0: 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	X635:z14/z16		E	2
021267	ZE 0: 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	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
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
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
023262	ZE 0: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635:z14/z16		E	2
024814	ZE 0: input 0 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635:d2		E	1
024817	ZE 0: input 0 voltage below required value error report only Check sensor and supply line, replace faulty sensor	X635:d2		E	1
024856	ZE 0: input 0 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635:d2		E	1
024914	ZE 0: input 1 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635:d4		E	1
024917	ZE 0: input 1 voltage below required value error report only Check sensor and supply line, replace faulty sensor	X635:d4		E	1
024956	ZE 0: input 1 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635:d4		E	1
026114	ZE 0: input 13 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635:d28		E	1
026156	ZE 0: input 13 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635:d28		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030005	ZE 0: LMB winch 1 not regulated, hook course indicator erroneous imprecise winch control and incorrect hook course indication for winch 1 Start up adjustment switch for range of lift display for winch 1 in lowering direction			E	1
030006	ZE 0: LMB winch 2 not regulated, hook course indicator erroneous imprecise winch control and incorrect hook course indication of winch 2 trigger adjustment switch for hook course indication of winch 2 through lowering			E	1
030016	ZE 0: LMB Pressure transducer overtop guard cyl main boom faulty/not present Load display too great Check sensor and supply line, replace faulty sensor			E	1
030024	ZE 0: LMB Pressure transmitter S-RFP A (left) erroneous/missing error report only Check sensor and supply line, replace faulty sensor			E	2
030025	ZE 0: LMB Pressure transmitter S-RFP B (right) erroneous/missing error report only Check sensor and supply line, replace faulty sensor			E	2
030030	ZE 0: LMB One signal draw-meas. conn plate for load weigh faulty/not present Load display if necessary imprecise Check sensor and supply line, replace faulty sensor			E	1
030031	ZE 0: LMB One signal press. tran. for load weigh mast stub faulty/not present Load display if necessary imprecise Check sensor and supply line, replace faulty sensor			E	1
030032	ZE 0: LMB One angle sensor derrick faulty/not present Load display if necessary imprecise Check sensor and supply line, replace faulty sensor			E	1
030033	ZE 0: LMB Inclination transmitter crane faulty/missing Load display if necessary imprecise Check sensor and supply line, replace faulty sensor			E	2
030034	ZE 0: LMB Winch operation selection switch-position undefined, incorrect signal LMB calculates using the weakest type of winch (default-winch type), max. load is reduced if necessary Check entry signals			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030035	ZE 0: LMB Winch operation selection switch + selected load chart implausible LMB calculates using the weakest type of winch (default-winch type), max. load is reduced if necessary Set correct winch utilisation selection switch position or correct load chart			B	2
030036	ZE 0: LMB Winch 1 mounted but winch type undefined, incorrect entry signals LMB calculates using the weakest type of winch (default-winch type), max. load is reduced if necessary Check entry signals			E	2
030037	ZE 0: LMB Winch 2 mounted but winch type undefined, incorrect entry signals LMB calculates using the weakest type of winch (default-winch type), max. load is reduced if necessary Check entry signals			E	2
030038	ZE 0: LMB One angle sensor main boom faulty/missing Reach and load weighing possibly imprecise Check sensor and supply line, replace faulty sensor			E	2
030039	ZE 0: LMB One angle sensor accessories faulty/missing Reach and load weighing possibly imprecise Check sensor and supply line, replace faulty sensor			E	2
030040	ZE 0: LMB no standard table defined for this crane program stop Install new program memory card with corrected tables			B	3
030041	ZE 0: LMB all data for actual operation mode not available program stop Install new program memory card with corrected tables			B	3
030042	ZE 0: LMB no valid control word in this table program stop Install new program memory card with corrected tables			B	3
03004A	ZE 0: LMB Pull test bracket 1A left erroneous/missing (not active) F1-Force imprecise, load display possibly imprecise Check sensor and supply line, replace faulty sensor			E	1
03004B	ZE 0: LMB Pull test bracket 1B right erroneous/missing (not active) F1-Force imprecise, load display possibly imprecise Check sensor and supply line, replace faulty sensor			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
03004C	ZE 0: LMB Pull test bracket 1A left reports internal error F1-Force imprecise, load display possibly imprecise replace sensor immediately			E	1
03004D	ZE 0: LMB Pull test bracket 1B left reports internal error F1-Force imprecise, load display possibly imprecise replace sensor immediately			E	1
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
030055	ZE 0: LMB Reeving too small, load weighing possibly erroneous Load display if necessary imprecise Increase reeving to reduce weight error to poss. increase load			B	1
030056	ZE 0: LMB Reeving too small, load too large, load weighing possibly erroneous Load display if necessary imprecise Increase reeving to reduce weight error to poss. increase load			B	1
030064	ZE 0: LMB measured overall torque smaller than half torque without charge LMB-Stop: Load torque increasing movements cannot be affected move boom out of danger zone or check sensor (angle-, pressure-, length),if load or radius indication incorrect			B	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
030074	ZE 0: LMB Angle sensor SA-frame faulty/missing error report only Check sensor and supply line, replace faulty sensor			E	2
030075	ZE 0: LMB Angle sensor derrick faulty/missing error report only Check sensor and supply line, replace faulty sensor			E	2
030079	ZE 0: LMB STOP, adjusted op. mode and crane configuration not identical LMB-Stop: Load torque increasing movements cannot be affected set up crane according to selected operation mode			B	2
030080	ZE 0: LMB Wind speed transmitter main boom faulty/not present error report only Connect sensor, or check sensor or supply line			B	1
030081	ZE 0: LMB Wind speed transmitter accessories faulty/not present error report only Connect sensor, or check sensor or supply line			B	1
030082	ZE 0: LMB Wind speed transmitter 3 main boom faulty/not present error report only Connect sensor, or check sensor or supply line			B	1
030083	ZE 0: LMB Wind speed transmitter 3 accessories faulty/not present error report only Connect sensor, or check sensor or supply line			B	1
030084	ZE 0: LMB Wind speed transmitter 1A reports internal error error report only replace sensor immediately			E	1
030085	ZE 0: LMB Wind speed transmitter 1B reports internal error error report only replace sensor immediately			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030086	ZE 0: LMB Wind speed transmitter 2A reports internal error error report only replace sensor immediately			E	1
030087	ZE 0: LMB Wind speed transmitter 2B reports internal error error report only replace sensor immediately			E	1
030088	ZE 0: LMB Wind speed transmitter 3 main boom reports internal error error report only replace sensor immediately			E	1
030089	ZE 0: LMB Wind speed transmitter 3 accessory reports internal error error report only replace sensor immediately			E	1
030090	ZE 0: LMB Hoist limit switch 1A reports internal error error report only replace sensor immediately			E	1
030091	ZE 0: LMB Hoist limit switch 1B reports internal error error report only replace sensor immediately			E	1
030092	ZE 0: LMB Hoist limit switch 2A reports internal error error report only replace sensor immediately			E	1
030093	ZE 0: LMB Hoist limit switch 2B reports internal error error report only replace sensor immediately			E	1
030094	ZE 0: LMB Hoist limit switch 3 main boom reports internal error error report only replace sensor immediately			E	1
030095	ZE 0: LMB Hoist limit switch 3 accessory reports internal error error report only replace sensor immediately			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030096	ZE 0: LMB Jib, flap and overtopping guard struts in danger of colliding report of error, shut-down through application Luff down jib			B	1
030097	ZE 0: LMB Load utilisat >95% and dropping of load when luffing up main boom report of error, shut-down through application Reduce utilisation, if necessary luff up via jib			B	1
030098	ZE 0: LMB 2 front supports are heavily loaded, danger of tipping to the rear error report only Load supports evenly			B	1
030099	ZE 0: LMB 2 supports are heavily loaded, danger of tipping error report only Load supports evenly			B	1
030100	ZE 0: LMB STOP, main boom not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030101	ZE 0: LMB STOP, jib not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030102	ZE 0: LMB STOP, derrick not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030103	ZE 0: LMB STOP, counterweight carriage not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030104	ZE 0: LMB STOP, suspended counterweight not mounted LMB-Stop: Load torque increasing movements cannot be affected Mount missing assembly			B	2
030105	ZE 0: LMB Main boom mounted?, pilot contact<->Bus sensor, condition faulty LMB-Stop: Load torque increasing movements cannot be affected Check pilot contact signals and active LSB sensor of mounted assemblies			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030106	ZE 0: LMB Jib mounted?, pilot contact<>Bus sensor, condition faulty LMB-Stop: Load torque increasing movements cannot be affected Check pilot contact signals and active LSB sensor of mounted assemblies			E	2
030107	ZE 0: LMB Derrick mounted?, pilot contact<>Bus sensor, condition faulty LMB-Stop: Load torque increasing movements cannot be affected Check pilot contact signals and active LSB sensor of mounted assemblies			E	2
030108	ZE 0: LMB Hoist limit switch mast stub has incorrect LSB-address LMB-Stop: Load torque increasing movements cannot be affected Connect sensor, or check sensor or supply line			E	2
030109	ZE 0: LMB Mast stub, press. < minimum press., load display incorrect, DANGER! LMB-Stop: Load torque increasing movements cannot be affected Check sensor, measuring cylinder for leaks			E	2
030114	ZE 0: LMB STOP, hoist limit switch 1A faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030115	ZE 0: LMB STOP, hoist limit switch 1B faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030116	ZE 0: LMB STOP, hoist limit switch 2A faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030117	ZE 0: LMB STOP, hoist limit switch 2B faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030118	ZE 0: LMB STOP, hoist limit switch 3 main boom faulty/not present error report only Connect sensor, or check sensor or supply line			B	2
030119	ZE 0: LMB STOP, hoist limit switch 3 accessory faulty/not present error report only Connect sensor, or check sensor or supply line			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030133	ZE 0: LMB fly jib retaining cylinder inferior minimal pressure LMB-Stop: Load torque increasing movements cannot be affected Check overtopping guard cylinder for leaks, or check pressure transducer and replace if necessary			B	2
030134	ZE 0: LMB fly jib retaining cylinder exceeds maximum pressure LMB-Stop: Load torque increasing movements cannot be affected Check pressure and position of overtopping guard cylinder, or check pressure transducer and replace if necessary			B	2
030135	ZE 0: LMB permissible deviation of data A/B tension meas. bracket 1 exceeded LMB-Stop: Load torque increasing movements cannot be affected check connecting brackets or power supply, different stress flow into both connecting brackets possible			B	2
030136	ZE 0: LMB permissible deviation of data A/B tension meas. bracket 2 exceeded LMB-Stop: Load torque increasing movements cannot be affected check connecting brackets or power supply, different stress flow into both connecting brackets possible			B	2
030137	ZE 0: LMB permissible deviation of data A/B tension meas. bracket 3 exceeded LMB-Stop: Load torque increasing movements cannot be affected check connecting brackets or power supply, different stress flow into both connecting brackets possible			B	2
030138	ZE 0: LMB STOP, permissible deviation press. tran. mast stub 6 A/B exceeded LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030139	ZE 0: LMB STOP, permissible deviation pressure transducer jib-RFP exceeded LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030140	ZE 0: LMB STOP, difference between pressure transmitters S-RFP A/B too large LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030141	ZE 0: LMB STOP, difference between pressure transmitters D-RFP A/B too large LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030142	ZE 0: LMB STOP, difference between pressure transmitters test pt.5 DB-lift cyl. LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 moment-increasing movements not operable as load display possibly imprecise take care when luffing down to chart area while assembly mode selected			B	2
030149	ZE 0: LMB actual working radius too large, not in chart LMB-Stop: Load torque increasing movements cannot be affected take care with "luffing up when overloaded" when luffing up into chart area			B	2
030150	ZE 0: LMB crane stands in impermissible length-/angle position LMB-Stop: Load torque increasing movements cannot be affected conduct boom in permissible position referred to length, boom angle, bolting condition and fly jib angle			B	2
030151	ZE 0: LMB unknown access type to load chart LMB-Stop: Load torque increasing movements cannot be affected install new data memory card with corrected charts			B	2
030152	ZE 0: LMB no table exists for actual crane configuration LMB-Stop: Load torque increasing movements cannot be affected purchase additional load charts, install new data memory card with corrected charts			B	2
030170	ZE 0: LMB STOP, Dummy plug/plug mast stub main boom faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Plug in dummy plug mast stub-plug			B	2
030171	ZE 0: LMB STOP, Dummy plug/plug mast stub accessory faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Plug in dummy plug mast stub-plug			B	2
030180	ZE 0: LMB STOP, Difference between angle sensors main boom too great LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030181	ZE 0: LMB STOP, Difference between angle sensors A/B derrick too great LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030182	ZE 0: LMB difference between angle sensor cylinder lower/upper too great LMB-Stop: Load torque increasing movements cannot be affected retrieve crane deflection through unloading, or check both angle sensors or their lines			B	2
030188	ZE 0: LMB STOP, several angler sensors main boom/jib faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030189	ZE 0: LMB STOP, both angle sensors derrick faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030190	ZE 0: LMB angle sensor error: load, reach, pulley head height indication defect LMB-Stop: Load torque increasing movements cannot be affected check LSB-connection, angle sensor			E	2
030191	ZE 0: LMB STOP, both draw-meas. conn plates for load weigh faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030192	ZE 0: LMB STOP, both press. tran. load weighing mast stub faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030193	ZE 0: LMB STOP, several press. tran. derrick ballast weigh. faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030194	ZE 0: LMB STOP, all press. tran. overtop. guard cylinder jib faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030195	ZE 0: LMB Impermissible angle sensor from main boom or accessory active LMB-Stop: Load torque increasing movements cannot be affected Incorrect boom mounted, incorrect operation type selected or angle sensor has incorrect LSB address			B	2
030196	ZE 0: LMB Impermissible angle sensor from main boom active LMB-Stop: Load torque increasing movements cannot be affected Incorrect boom mounted, incorrect operation type selected or angle sensor has incorrect LSB address			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030197	ZE 0: LMB Impermissible angle sensor from accessory active LMB-Stop: Load torque increasing movements cannot be affected Incorrect boom mounted, incorrect operation type selected or angle sensor has incorrect LSB address			B	2
030198	ZE 0: LMB All pressure sensors on derrick counterw. hoist cyl. in oper. extract. LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			B	2
030199	ZE 0: LMB Derrick counterw. entry too large, measur. sig. D implausible, danger! LMB-stop: Load moment increasing movements can not be initiated, F1max-operation-limit value is too large! Check derrick counterweight entry value, check sensor on derrick			B	2
03019A	ZE 0: LMB STOP, both pull test brackets 1 A und 1B erroneous/missing LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030200	ZE 0: LMB STOP, crane correspondent table over-equipped control-Stop: even in operation mode crane movements cannot be affected enter chart according to mounted equipment			B	2
030201	ZE 0: LMB All movements STOP, Crawler assembly selected with mounted boom control-Stop: even in operation mode crane movements cannot be affected Select correct switch position			B	2
030202	ZE 0: LMB All movements STOP, jib over-equipped control-Stop: even in operation mode crane movements cannot be affected Disassemble surplus assemblies			B	2
030203	ZE 0: LMB All movements STOP, derrick over equipped control-Stop: even in operation mode crane movements cannot be affected Disassemble surplus assemblies			B	2
030204	ZE 0: LMB STOP, Ballast trailer overequipped LMB-Stop: Load torque increasing movements cannot be affected Disassemble surplus assemblies			B	2
030205	ZE 0: LMB STOP, susp. ballast overequipped LMB-Stop: Load torque increasing movements cannot be affected Disassemble surplus assemblies			B	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030206	ZE 0: LMB STOP, LSB-sensor from various mast stubs simultaneously active LMB-Stop: Load torque increasing movements cannot be affected Check affiliated LSB sensor			B	2
030207	ZE 0: LMB STOP, main boom over-equipped control-Stop: even in operation mode crane movements cannot be affected Disassemble surplus assemblies			B	2
030210	ZE 0: LMB All press. sensor derrick counterw.-hoist cyl. missing or cyl. missing LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			B	2
030212	ZE 0: LMB Collision derrick adjustment (adjusting pulleys clearance too little) LMB-Stop: Load moment-increasing movements non-operational and main boom luffing up non-operational Luff down main boom			B	2
030213	ZE 0: LMB Collision derrick – main boom (differential angle too little) LMB-Stop: Load moment-increasing movements non-operational and main boom luffing up non-operational Luff down main boom			B	2
030224	ZE 0: LMB STOP, angle sensor SA-frame faulty/missing Error display + LMB-Stop with operation type SA-frame: Load moment-increasing movements not operable Check sensor and supply line, replace faulty sensor			E	2
030225	ZE 0: LMB STOP, angle sensor derrick faulty/missing LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030226	ZE 0: LMB STOP, angle sensor SA-frame and angle sensor derrick implausible LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor, mount derrick tensioning correctly			E	2
030227	ZE 0: LMB STOP, pressure sensor SA-frame cylinder ring side M7R faulty/missing Error display + LMB-Stop with operation type SA-frame: Load moment-increasing movements not operable Check sensor and supply line, replace faulty sensor			E	2
030228	ZE 0: LMB STOP, pressure sensor SA-frame cylinder piston side M7K faulty/missing Error display + LMB-Stop with operation type SA-frame: Load moment-increasing movements not operable Check sensor and supply line, replace faulty sensor			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
030229	ZE 0: LMB STOP, SA-frame cylinder extended too far (limit switch) Error display + LMB-Stop with operation type SA-frame: Load moment-increasing movements not operable Retract cylinder			B	2
030230	ZE 0: LMB STOP, load SA-frame cylinder < 0, cylinder in block position? Error display + LMB-Stop with operation type SA-frame: Load moment-increasing movements not operable Retract cylinder			B	2
030231	ZE 0: LMB STOP, SLK limit switch signal lower Pos. does not match angle sensors LMB-Stop: Load moment increasing movements cannot be run (error is self retaining as long as crane is turned on) Check SLK- limit switch for lower operating range and all angle sensor on boom, replace if necessary			B	2
030232	ZE 0: LMB STOP, both pressure transmitters S-RFP A/B erroneous/fehlen LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030235	ZE 0: LMB STOP, pressure test bracket test pt.6 erroneous/missing LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030236	ZE 0: LMB STOP, Pressure test bracket test point 6 boom nose:value<Tolerance<0 t LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
030240	ZE 0: LMB STOP, overflow with calculation as reeving too low LMB-Stop: Load torque increasing movements cannot be affected Check reeving adjustment to the LICCON, modify as necessary			B	2
030241	ZE 0: LMB STOP, overflow with calculation LMB-Stop: Load torque increasing movements cannot be affected Check sensor values, manual adjustments and actual crane condition, if necessary inform after-sales-service			B	3
030245	ZE 0: LMB STOP, internal memory error/program part implausible LMB-Stop: Load torque increasing movements cannot be affected Read error report/display in LICCON test system special diagram "LMB - ERRORS", inform after-sales service			E	3
032822	ZE 0: control slewing Pressure switch slewing gear brake erroneous/missing			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
032823	ZE 0: control slewing Pressure switch slewing gear coasting erroneous/missing			E	
03301A	ZE 0: control auxiliary equipment Dummy plug WA-bracket not same condition as active sensor of WA-bracke Output of error Check wiring short circuit after supply voltage, check inputs			E	
033910	ZE 0: crane control Shut off valves relapse cyl. continuous actuation Output of error Bring keys and master switch to zero pos. If error continued active, check electric actuation shut off valves			E	
033943	ZE 0: crane control "Ballast cylinder A not" cont. actuated Output of error Bring button in zero position. If error continued to be active, check electric.			E	
033944	ZE 0: crane control "Ballast cylinder B not" cont. actuated Output of error Bring button in zero position. If error continued to be active, check electric.			E	
033946	ZE 0: crane control Limit switch blocking position W / F faulty/lacking - risk of accident No shut-down resulted Caution - no monitoring of blocking position W/F. note system error for faulty or lacking sensor			E	
033947	ZE 0: crane control Limit switch blocking position L / F faulty/lacking - risk of accident No shut-down resulted Caution - no monitoring of blocking position L/F. note system error for faulty or lacking sensor			E	
033950	ZE 0: crane control Pressure relapse cyl. main boom smaller min. pressure Issuance of error. At actuated winch there is no operational shut off. Check pressure supply Relapse cylinders main boom			E	
033951	ZE 0: crane control Pressure relapse cyl. main boom larger max. pressure Issuance of error. At actuated winch there is no operational shut off. Check pressure supply Relapse cylinders main boom			E	
033952	ZE 0: crane control Pressure relapse cyl. SA-frame smaller min. pressure Issuance of error. At actuated winch there is no operational shut off. Check pressure supply Relapse cylinders SA-frame			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
033953	ZE 0: crane control Pressure relapse cyl. SA-frame larger max. pressure Issuance of error. At actuated winch there is no operational shut off. Check pressure supply Relapse cylinders SA-frame			E	
033954	ZE 0: crane control Pressure relapse cyl. Derrick smaller min. pressure Issuance of error. At actuated winch there is no operational shut off. Check pressure supply Relapse cylinders Derrick			E	
033955	ZE 0: crane control Pressure relapse cyl. Derrick larger max. pressure Issuance of error. At actuated winch there is no operational shut off. Check pressure supply Relapse cylinders Derrick			E	
033E41	ZE 0: Switch cabinet LMB-bypass-emerg. or cont. actuation or Short circuit after Ubatt Output of error			E	2
034039	ZE 0: instruments crane operators cab Sat contact cont. actuation or short circuit after supply voltage Output of error If possible, get up from seat - otherwise check switch and wiring for short circuit after VCC			E	
03403C	ZE 0: instruments crane operators cab Assembly continuous actuation or short circuit aft.supply current Output of error Turn off assembly - otherwise check switch and wiring for short circuit after VCC			E	
03403D	ZE 0: instruments crane operators cab LMB-bypass cont. actuation or short circuit after Ubatt Output of error Do not actuate LMB bypass - otherwise check switch and wiring for short circuit after VCC			E	
03403E	ZE 0: instruments crane operators cab Luff up at overload continuous actuation or short circuit after Ubatt Output of error Do not actuate luff up at overload - otherwise check switch and wiring for short circuit after VCC			E	
03403F	ZE 0: instruments crane operators cab Deadman switch continuous actuation or short circuit after Ubatt Output of error Do not actuate deadman switch - otherwise check switch and wiring for short circuit after VCC			E	
034043	ZE 0: instruments crane operators cab Foot button coasting slewing gear cont. actuation Output of error Turn coasting do not actuate - otherwise check switch and wiring for short circuit after VCC			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
03433E	ZE 0: instruments armrest left Luffing in with susp. load cont. act. or short circuit after Ubatt Output of error Do not actuate luffing in at suspended load otherwise test of switch and wiring for short circuit after V			E	
034341	ZE 0: instruments armrest left Switch parking brake slewing gear not defined, incorrect signals Output of error Check switch parking brake slewing gear			E	2
03601B	ZE 0: operation additional equipment Dummy plug WA-bracket is not plugged in - o.k.? Output of error If luffing jib unplugged, then plug in dummy plug			B	
03614A	ZE 0: Operation ballasting / counterweight carriage Max. pressure "Ring surface control cyl." reached - warning ! Issue of errors, additional LMB-bell, no shut offs only warning Relieve of control cyl. on ring surface for ex. travel forward stop, if possible extend control cyl.			B	
03614B	ZE 0: Operation ballasting / counterweight carriage Max. pressure "Piston surface control cyl." reached - warning ! Issue of errors, additional LMB-bell, no shut offs only warning Relieve of control cyl. on piston surface for ex. travel reverse stop, if possible retract control cyl.			B	
036941	ZE 0: Operation crane control Emerg. op. crane control switched on Caution shut-down ineffective All crane functions can be operated unlimited - no switch-offs are any longer effective. Switch off emergency operation - Caution increased risk of accident			B	
036942	ZE 0: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
036943	ZE 0: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
036946	ZE 0: Operation crane control Blocking position W/F reached - Caution, no shut off, risk of accident No shut-down of the movement causing the blocking position is resulted Select the opposite direction of movement causing blocking position. Movement continued despite warning-risk of accident			B	
036947	ZE 0: Operation crane control Blocking position L/F reached - Caution, no shut off, risk of accident No shut-down of the movement causing the blocking position is resulted Select the opposite direction of movement causing blocking position. Movement continued despite warning-risk of accident			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
037070	ZE 0: operation instruments crane operators cab Master switch 3X has no winch allocated - operation type Output of error, otherwise no reaction. If possible set another operation type.			B	
037071	ZE 0: operation instruments crane operators cab Master switch 3Y has no winch allocated - operation type Output of error, otherwise no reaction. If possible set another operation type.			B	
037072	ZE 0: operation instruments crane operators cab Master switch 3X has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037073	ZE 0: operation instruments crane operators cab Master switch 3Y has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037074	ZE 0: operation instruments crane operators cab Master switch 3Y has no winch allocated - winch 6 is on Output of error, otherwise no reaction. Do not modulate master switch 2Y any more.			B	
037080	ZE 0: operation instruments crane operators cab Left-hand foot rocker switch - crawler travel gear is not On Output of error, otherwise no reaction. Switch on crawler travel operation.			B	
037081	ZE 0: operation instruments crane operators cab Right-hand foot rocker switch - crawler travel gear is not On Output of error, otherwise no reaction. Switch on crawler travel operation.			B	
037082	ZE 0: operation instruments crane operators cab Master switch MS 3X is disengaged and winch 3 is not mounted Output of error Mount winch 5 or do not defect master switch any more			B	
037083	ZE 0: operation instruments crane operators cab Master switch MS 3X is disengaged and winch 5 is not mounted Output of error Mount winch 3 or do not defect master switch any more			B	
037084	ZE 0: operation instruments crane operators cab Master switch MS 3Y is disengaged and winch 4 is not mounted Output of error Mount winch 4 or do not defect master switch any more			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
037085	ZE 0: operation instruments crane operators cab Master switch MS 4Y is disengaged and crawler is not mounted Output of error Mount crawler or do not defect master switch any more			B	
037086	ZE 0: operation instruments crane operators cab Master switch MS 5Y is disengaged and crawler is not mounted Output of error Mount crawler or do not defect master switch any more			B	
037087	ZE 0: operation instruments crane operators cab Master switch MS 3Y is deflected and winch 6 is not installed Output of error Assemble winch 6 or do not deflect master switch			B	
037088	ZE 0: operation instruments crane operators cab Change over switch "MS 3Y on winch 6" actuated while winch is running Winch 6 or winch 4 continues to run until master switch 3Y is no longer deflected Do not actuate master switch 3Y any longer			B	
037260	ZE 0: operation instruments armrest right Change-over parallel op. On/Off - winches 1-2 with running winches Winches 1 and 2 running on in parallel or single operation, until master switch 1Y is no longer deflected. Do not modulate master switch 1Y any more.			B	
037270	ZE 0: operation instruments armrest right Master switch 1Y has no winch allocated - operation type Output of error, otherwise no reaction. If possible set another operation type.			B	
037271	ZE 0: operation instruments armrest right Master switch 1X has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037272	ZE 0: operation instruments armrest right Master switch 1X has no winch allocated - winch 6 is on Winch 6 continues running until master switch 2Y is no longer deflected. Do not modulate master switch 2Y any more.			B	
037280	ZE 0: operation instruments armrest right Master switch MS 1X is disengaged and winch 3 is not mounted Output of error Mount winch 3 or do not defect master switch any more			B	
037281	ZE 0: operation instruments armrest right Master switch MS 1X is disengaged and winch 4 is not mounted Output of error Mount winch 4 or do not defect master switch any more			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
037282	ZE 0: operation instruments armrest right Master switch MS 1X is disengaged and winch 5 is not mounted Output of error Mount winch 5 or do not defect master switch any more			B	
037283	ZE 0: operation instruments armrest right Master switch MS 1Y is disengaged and winch 1 is not mounted Output of error Winch 1 install or do not deflect master switch			B	
037284	ZE 0: operation instruments armrest right Master switch MS 1Y is disengaged and winch 2 is not mounted Output of error Winch 2 install or do not deflect master switch			B	
037361	ZE 0: operation instruments armrest left Change-over crawler on / off with running winches Winches continue running, until master switches 1X, 2Y, 3X, 3Y are no longer deflected. D not modulate master switches 1X, 2Y, 3X, 3Y any more.			B	
037362	ZE 0: operation instruments armrest left Change-over crawler on / off with running crawler Crawler continues travelling, until master switch 4Y and 5Y are no longer deflected. Do not modulate master switches 4Y and 5Y any more.			B	
037363	ZE 0: operation instruments armrest left Change-over winch selection switch with rotating winch 2 Winches continue running until master switch 2Y can no longer be deflected. Do not modulate master switch 2Y any more.			B	
037364	ZE 0: operation instruments armrest left Change-over winch selection switch with rotating winch 5 Winches continue running until master switch 2Y can no longer be deflected. Do not modulate master switch 2Y any more.			B	
037373	ZE 0: operation instruments armrest left Master switch 2Y has no winch allocated - crawler is on Output of error, otherwise no reaction. Switch of crawler travel operation.			B	
037374	ZE 0: operation instruments armrest left Master switch 2Y has no winch allocated - winch 4 is on Winch 4 continues running, until master switch 1X or 3Y is no longer deflected. Do not modulate master switch 1X or 3Y any more.			B	
037375	ZE 0: operation instruments armrest left Master switch 2Y is not assigned to a winch - winch 6 on MS 3Y Output of error Turn off switch MS 3Y			B	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
037385	ZE 0: operation instruments armrest left Master switch MS 2Y is disengaged and winch 2 is not mounted Output of error Winch 2 install or do not deflect master switch			B	
037386	ZE 0: operation instruments armrest left Master switch MS 2Y is disengaged and winch 5 is not mounted Output of error Mount winch 5 or do not defect master switch any more			B	
037387	ZE 0: operation instruments armrest left Master switch MS 2Y is disengaged and winch 6 is not mounted Output of error Assemble winch 6 or do not deflect master switch			B	
037388	ZE 0: operation instruments armrest left Master switch MS 2Y deflected and winch selection switch at position 3 Output of error Switch winch selection switch to position 1 or 2			B	
100001	ZE 1: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
100002	ZE 1: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
100006	ZE 1: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
100007	ZE 1: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
100010	ZE 1: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
100011	ZE 1: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2

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

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

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

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

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
110058	ZE 1: output 0 positive switching transistor: disruption	X71:16		E	1
110060	ZE 1: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:16		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110062	ZE 1: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:16		E	1
110063	ZE 1: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110158	ZE 1: output 1 positive switching transistor: disruption	X71:17		E	1
110160	ZE 1: output 1 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X71:17		E	1
110162	ZE 1: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:17		E	1
110163	ZE 1: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:17		E	1
110170	ZE 1: output 1 measuring system defect no crane operation possible entry in error list	X71:17		E	1
110171	ZE 1: output 1 short circuit to ground or transistor defect	X71:17		E	1
110172	ZE 1: output 1 outside source feeding	X71:17		E	1
110173	ZE 1: output 1 open circuit or short circuit to supply voltage/ground	X71:17		E	1
110212	ZE 1: output 2 short circuit to ground	X71:18		E	1
110213	ZE 1: output 2 open signal circuits	X71:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
110262	ZE 1: output 2 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:18		E	1
110263	ZE 1: output 2 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:18		E	1
110270	ZE 1: output 2 measuring system defect no crane operation possible entry in error list	X71:18		E	1
110271	ZE 1: output 2 short circuit to ground or transistor defect	X71:18		E	1
110272	ZE 1: output 2 outside source feeding	X71:18		E	1
110273	ZE 1: output 2 open circuit or short circuit to supply voltage/ground	X71:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
110362	ZE 1: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:19		E	1
110363	ZE 1: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:19		E	1
110370	ZE 1: output 3 measuring system defect no crane operation possible entry in error list	X71:19		E	1
110371	ZE 1: output 3 short circuit to ground or transistor defect	X71:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
110462	ZE 1: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:20		E	1
110463	ZE 1: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:20		E	1

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
110562	ZE 1: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:21		E	1
110563	ZE 1: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:21		E	1
110570	ZE 1: output 5 measuring system defect no crane operation possible entry in error list	X71:21		E	1
110571	ZE 1: output 5 short circuit to ground or transistor defect	X71:21		E	1
110572	ZE 1: output 5 outside source feeding	X71:21		E	1
110573	ZE 1: output 5 open circuit or short circuit to supply voltage/ground	X71:21		E	1
110612	ZE 1: output 6 short circuit to ground	X71:22		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
110662	ZE 1: output 6 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:22		E	1
110663	ZE 1: output 6 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:22		E	1
110670	ZE 1: output 6 measuring system defect no crane operation possible entry in error list	X71:22		E	1
110671	ZE 1: output 6 short circuit to ground or transistor defect	X71:22		E	1
110672	ZE 1: output 6 outside source feeding	X71:22		E	1
110673	ZE 1: output 6 open circuit or short circuit to supply voltage/ground	X71:22		E	1
110712	ZE 1: output 7 short circuit to ground	X71:23		E	1
110713	ZE 1: output 7 open signal circuits	X71:23		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
110714	ZE 1: output 7 short circuit to supply voltage	X71:23		E	1
110754	ZE 1: output 7 short circuit to supply voltage	X71:23		E	1
110758	ZE 1: output 7 positive switching transistor: disruption	X71:23		E	1
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
110762	ZE 1: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X71:23		E	1
110763	ZE 1: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X71:23		E	1
110770	ZE 1: output 7 measuring system defect no crane operation possible entry in error list	X71:23		E	1
110771	ZE 1: output 7 short circuit to ground or transistor defect	X71:23		E	1
110772	ZE 1: output 7 outside source feeding	X71:23		E	1
110773	ZE 1: output 7 open circuit or short circuit to supply voltage/ground	X71:23		E	1

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
120204	ZE 1: 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.	X635A:z14/z16		E	1
120205	ZE 1: 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	X635A:z14/z16		E	1
120218	ZE 1: 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	X635A:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
120250	ZE 1: 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	X635A:z14/z16		E	2
120251	ZE 1: 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	X635A:z14/z16		E	2
120253	ZE 1: 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	X635A:z14/z16		E	1
120254	ZE 1: 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	X635A:z14/z16		E	2
120264	ZE 1: 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	X635A:z14/z16		E	1
120265	ZE 1: 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	X635A:z14/z16		E	2
120266	ZE 1: 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	X635A:z14/z16		E	2
120267	ZE 1: 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	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

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

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

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



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

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

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

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

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
122304	ZE 1: 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.	X635A:z14/z16		E	1
122305	ZE 1: LSB participant address 23 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635A:z14/z16		E	1
122318	ZE 1: LSB participant address 23 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635A:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
122350	ZE 1: LSB participant address 23 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635A:z14/z16		E	2
122351	ZE 1: LSB participant address 23 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635A:z14/z16		E	2
122353	ZE 1: LSB participant address 23 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635A:z14/z16		E	1
122354	ZE 1: LSB participant address 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635A:z14/z16		E	2
122364	ZE 1: LSB participant address 23 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635A:z14/z16		E	1
122365	ZE 1: LSB participant address 23 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635A:z14/z16		E	2
122366	ZE 1: LSB participant address 23 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635A:z14/z16		E	2
122367	ZE 1: LSB participant address 23 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635A:z14/z16		E	1
122404	ZE 1: 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.	X635A:z14/z16		E	1
122405	ZE 1: 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	X635A:z14/z16		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
122418	ZE 1: 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	X635A:z14/z16		E	0
122450	ZE 1: 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	X635A:z14/z16		E	2
122451	ZE 1: 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	X635A:z14/z16		E	2
122453	ZE 1: 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	X635A:z14/z16		E	1
122454	ZE 1: 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	X635A:z14/z16		E	2
122464	ZE 1: 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	X635A:z14/z16		E	1
122465	ZE 1: 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	X635A:z14/z16		E	2
122466	ZE 1: 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	X635A:z14/z16		E	2
122467	ZE 1: 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	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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
123252	ZE 1: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635A:z14/z16		E	0
123255	ZE 1: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635A:z14/z16		E	2
123256	ZE 1: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635A:z14/z16		E	2
123257	ZE 1: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635A:z14/z16		E	1
123258	ZE 1: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635A:z14/z16		E	0
123259	ZE 1: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635A:z14/z16		E	0
123260	ZE 1: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635A:z14/z16		E	2
123261	ZE 1: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635A:z14/z16		E	2
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
125814	ZE 1: input 10 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
125856	ZE 1: input 10 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d22		E	1
126114	ZE 1: input 13 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d28		E	1
126156	ZE 1: input 13 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d28		E	1
126214	ZE 1: input 14 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d30		E	1
126256	ZE 1: input 14 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d30		E	1
126314	ZE 1: input 15 short circuit to supply voltage report of error, shut-down through application Check sensor line for short-circuit, for faulty sensors by pulling out sensor, connection to input	X635A:d32		E	1
126356	ZE 1: input 15 open circuit or short circuit to ground report of error, shut-down through application Check supply voltage, input LICCON, sensor line for interruption, for faulty sensors by pulling out G	X635A:d32		E	1
130008	ZE 1: LMB Winch 3 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1
130009	ZE 1: LMB Winch 4 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1
130010	ZE 1: LMB Winch 5 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
130011	ZE 1: LMB Winch 6 not adjusted, rope lengths-/range of lift display faulty Imprecise winch control and incorrect rope length display on this winch Readjust rope length display for this winch			E	1
130013	ZE 1: LMB Winch 7 not adjusted, cable length calculation erroneous error report only Readjust rope length display for this winch			E	1
130017	ZE 1: LMB Pressure transducer overtop guard cyl derrick faulty/not present error report only Check sensor and supply line, replace faulty sensor			E	1
130018	ZE 1: LMB Measuring signal derrick implausible (moment to the rear) error report only Check meas. points 1,3,4,5, angle sensor derr, pressure transducer RFP derr, length indic derr count and replace if nec.			B	1
130019	ZE 1: LMB Measuring signal derrick implausible (moment to the front) error report only Check meas. points 1,3,4,5, angle sensor derr, pressure transducer RFP derr, length indic derr count and replace if nec.			B	1
130020	ZE 1: LMB B-guide frame not definitely bolted front or rear Derrick counterweight radius has poss. been calculated short for front bolting point, load will poss. be reduced Check dummy plug signals			B	1
130021	ZE 1: LMB Derrick ballast input value outside of permissible area error report only Set correct value			B	1
130022	ZE 1: LMB Derrick ballast input not possible, master switch disengaged error report only Put all master switches in zero position			B	1
130026	ZE 1: LMB Pressure transmitter D-RFP A (left) erroneous/missing error report only Check sensor and supply line, replace faulty sensor			E	2
130027	ZE 1: LMB Pressure transmitter D-RFP B (right) erroneous/missing error report only Check sensor and supply line, replace faulty sensor			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
130029	ZE 1: LMB Derrick counterw. entry too small, derrick measuring sign. implausible F1max-operation-limit value is possibly smaller than theoretically possible Check derrick counterweight entry value, check sensor on derrick			B	1
130044	ZE 1: LMB Pressure transmitter test pt.5 A (left) DB-lift cyl. piston surface e error report only Check sensor and supply line, replace faulty sensor			E	2
130045	ZE 1: LMB Pressure transmitter test pt.5 B (right) DB-lift cyl. piston surface e error report only Check sensor and supply line, replace faulty sensor			E	2
130046	ZE 1: LMB Derrick ballast length sensor LG1 erroneous/mis. (cable length sensor) Error display, only Derrick ballast length sensor 2 is used, Derrick ballast radius + load calc. poss. invalid Check sensor and supply line, replace faulty sensor			E	2
130047	ZE 1: LMB Derrick ballast length sensor LG2 erroneous/mis. (Winch turn sensor W7) Error display, only Derrick ballast length sensor 1 is used, Derrick ballast radius + load calc. poss. invalid Check sensor and supply line, replace faulty sensor			E	2
130048	ZE 1: LMB Derrick ballast length sensor difference between LG1 + LG2 too large Error display, the min. from 2 length sensors LG1+ LG2 I used, Derrick ballast radius and load calculation Check sensor and supply line, replace faulty sensor			E	2
130049	ZE 1: LMB Derrick ballast length sensor LG1 and LG2: both erroneous/missing Error display, Derrick ballast radius = invalid, for load calculation, hydr. Derrick ballast-Minimum is used Check sensor and supply line, replace faulty sensor			E	2
130065	ZE 1: LMB computation-bound program part will no longer run LMB-Stop: Load torque increasing movements cannot be affected on starting, the set-up equipment program key was pressed			B	2
130073	ZE 1: LMB Derrick counterweight-hoist cylinder extended bump stop F1max-Operation-Limit value possibly less than theoretically possible(safe side) drawn derrick counterweight invalid Retract cylinder			B	2
130076	ZE 1: LMB Derrick ballast weight hanging on crane is too large error report only Lower Derrick ballast weight with Derrick ballast hoist cyl. a little, or overload DANGER!!			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
130077	ZE 1: LMB Derrick ballast DB-hoist cylinder retracted Block position/implausible LMB-Stop: Load may be too large, pulled derrick ballast is invalid, load moment increasing movements not Extend cyl.			B	2
130126	ZE 1: LMB STOP, press. tran. count. R measuring point 4A faulty/not present Weighed derrick counterweight is imprecise and LMB-Stop: Load moment increased movements not operable Check sensor and supply line, replace faulty sensor			E	2
130127	ZE 1: LMB STOP, press. tran. count. R measuring point 4B faulty/not present Weighed derrick counterweight is imprecise and LMB-Stop: Load moment increased movements not operable Check sensor and supply line, replace faulty sensor			E	2
130128	ZE 1: LMB STOP, press. tran. count. K measuring point 5 faulty/not present Weighed derrick counterweight is imprecise and LMB-Stop: Load moment increased movements not operable Check sensor and supply line, replace faulty sensor			E	2
130129	ZE 1: LMB STOP, length indicator derrick counterweight faulty/not present LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
130158	ZE 1: LMB Derrick ballast, weighing and entry implausible LMB-Stop: Load torque increasing movements cannot be affected Check derrick counterweight input value, check sensor for derrick counterweight weighing + length indicator			B	2
130159	ZE 1: LMB Derrick angle not in permissible derrick angle window LMB-Stop: Load torque increasing movements cannot be affected Luff derrick into permissible angle area			B	2
130183	ZE 1: LMB STOP, Difference between derrick ballast force A/B too great LMB-Stop: Load torque increasing movements cannot be affected Load both derrick counterweight tensioners evenly			B	2
130233	ZE 1: LMB STOP, both pressure transmitters D-RFP A/B erroneous/fehlen LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2
130234	ZE 1: LMB STOP, both pressure transmitters test pt.5 DB-lift cyl. KF A/B errone LMB-Stop: Load torque increasing movements cannot be affected Check sensor and supply line, replace faulty sensor			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
130241	ZE 1: LMB STOP, overflow with calculation LMB-Stop: Load torque increasing movements cannot be affected Check sensor values, manual adjustments and actual crane condition, if necessary inform after-sales-service			B	3
130245	ZE 1: LMB STOP, internal memory error/program part implausible LMB-Stop: Load torque increasing movements cannot be affected Read error report/display in LICCON test system special diagram "LMB - ERRORS", inform after-sales service			E	3
132800	ZE 1: control slewing No swing movement recognised with selected swing gear Output of error Actuate slewing gear with at least 1/8 init current and check incremental counter (dir. of rotation/function)			E	
135802	ZE 1: operation slewing Shut-down counterweight on ground Operational shut-down, shuntable via raised key switch B/BW - only switch on if B/BW safely raised If possible raise the wheels via lifting the load or reducing the mounted suspended counterweight			B	
135803	ZE 1: operation slewing Shut-down support counterweight carriage is not retracted Operation conditional switch off, may not be shunted Retract support cylinder counterweight carriage completely			B	
135804	ZE 1: operation slewing Shut-down wheels counterweight carriage not in rotary position Operation conditional switch off, may not be shunted With the pre-selection key "Rotary travel BW" turn the wheels of the counterweight carriage (BW) into turning position			B	
135805	ZE 1: operation slewing Shut-down swing with parallel travel count. carriage not possible Operation conditional switch off, may not be shunted With the pre-selection key "Rotary travel BW" turn the wheels of the counterweight carriage (BW) into turning position			B	
135808	ZE 1: operation slewing shut-down slewing right working area limitation ABB operational shut down slew left until crane is in working area again - shunting through shut-down of working area limitation			B	
135809	ZE 1: operation slewing shut-down slewing left working area limitation ABB operational shut down slew right until crane is in working area again - shunting through shut-down of working area limitation			B	
135810	ZE 1: operation slewing Shut-down free swing gear working area limitation ABB is active operational shut down slew right until crane is in working area again - shunting through shut-down of working area limitation			B	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
135819	ZE 1: operation slewing no or invalid operation mode shut-down Operation conditional switch off, may not be shunted eliminate error see corresponding system error			B	
135820	ZE 1: operation slewing shut-down slewing right LMB operational shut down slew left until crane is within support area again - shut-down can be shunted (danger)			B	
135821	ZE 1: operation slewing shut-down slewing left LMB operational shut down slew right until crane is within support area again - shut-down can be shunted (danger)			B	
135822	ZE 1: operation slewing Shut-down right-hand swing maximum load exceeded operational shut down Turn left until crane once again within the support area or reduce load - shut-down may be shunted (danger)			B	
135823	ZE 1: operation slewing Shut-down left-hand swing maximum load exceeded operational shut down Turn right until crane once again within the support area or reduce load - shut-down may be shunted (danger)			B	
135824	ZE 1: operation slewing Shut-down free swing gear swing area limitation load is on operational shut down Select load chart without swing area monitoring			B	
135825	ZE 1: operation slewing Shut-off free-swing swing gear crane engine not functioning Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate foot switch.			B	
135826	ZE 1: operation slewing Switch-off foot switch swing gear free-sw. stick./actuated with start Output of error, crane function is not selected. Release foot switch swing gear free on or check key and its cabling for correct functioning			B	
135831	ZE 1: operation slewing Master switch 2 faulty/not present Operation conditional switch off, may not be shunted eliminate error see corresponding system error			B	
135839	ZE 1: operation slewing seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
13583E	ZE 1: 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	
135844	ZE 1: operation slewing Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
135849	ZE 1: operation slewing Shut off pressure difference ballast cylinder A/B too large operational shut down Press "A-Stop" key or "B-Stop" key to move only one ballast cylinder to equalize forces in side A/B			B	
135854	ZE 1: operation slewing Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted Wind off main boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
135855	ZE 1: operation slewing Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Wind off derrick boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
135858	ZE 1: operation slewing Shut-down guide frame - counterweight bump stop upper Operation conditional switch off, may not be shunted If possible, extend with ballast cylinder, spool up winch 4 or retract support BW move from block position			B	
135859	ZE 1: operation slewing Shut-down guide frame - counterweight bump stop lower Operation conditional switch off, may not be shunted If possible, retract with ballast cylinder, spool out winch 4 or extend support BW move from block position			B	
135870	ZE 1: operation slewing Shut-down lim switch "Count. on ground" vo. left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135871	ZE 1: operation slewing Shut-down lim switch "Count. on ground" vo. right faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135872	ZE 1: operation slewing Shut-down lim switch "Count. on ground" hi. left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
135873	ZE 1: operation slewing Shut-down lim switch "Count. on ground" hi. right faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135874	ZE 1: operation slewing Shut-down limit switch "Support retracted" vo. faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135875	ZE 1: operation slewing Shut-down limit switch "Support retracted" hi. faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135885	ZE 1: operation slewing Shut-down limit switch "RFP Main boom" right faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135886	ZE 1: operation slewing Shut-down limit switch "RFP Main boom" links faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135887	ZE 1: operation slewing Shut-down limit switch "Overtop guard cyl D" right faulty/not prese Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135888	ZE 1: operation slewing Shut-down limit switch "Overtop guard cyl D" left faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135893	ZE 1: operation slewing Shut-down limit switch right "Lower count. block" faulty/not pre Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135894	ZE 1: operation slewing Shut-down limit switch "Lower count. block" left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
135895	ZE 1: operation slewing Shut-down limit switch "Upper count. block" right faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
135896	ZE 1: operation slewing Shut-down limit switch "Upper count. block" left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
136900	ZE 1: Operation crane control Shut-down assembly cylinder without or with invalid operation type Output of error, shut-down via application. Set correct operation type or disassemble accessory part - shut-down may not be shunted.			B	
136901	ZE 1: Operation crane control Shut-down assembly cylinder master switch 2 faulty / not present Output of error, shut-down via application. Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
136902	ZE 1: Operation crane control Shut-off assembly cylinder LMB			B	
136903	ZE 1: Operation crane control Shut-off assembly cylinder seating contact			B	
136904	ZE 1: Operation crane control Shut-off assembly cylinder test point 1 > F max - Assembly			B	
13693E	ZE 1: Operation crane control 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	
136942	ZE 1: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
136943	ZE 1: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
136944	ZE 1: Operation crane control Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
136945	ZE 1: Operation crane control Engine-start blocked, master switch deflected or key actuated Issue of error, engine-start is prevented Switch master switch to neutral, release key or check master switch and keys for correct functioning			B	
136980	ZE 1: Operation crane control Carry out engine stop w. button, replen. pr. switch no pressure missin Issue of op. error, error display for repl. Pr. switch cont. actuation or short circuit VCC is suppressed Follow instr., turn engine off via engine STOP button or if ign. On, wait until LICCON runs			B	2
187252	E/A-Modul 1: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X613:4/6		E	0
187255	E/A-Modul 1: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X613:4/6		E	2
187256	E/A-Modul 1: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X613:4/6		E	2
187257	E/A-Modul 1: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X613:4/6		E	1
187258	E/A-Modul 1: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X613:4/6		E	0
187259	E/A-Modul 1: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X613:4/6		E	0
187260	E/A-Modul 1: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X613:4/6		E	2
187261	E/A-Modul 1: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X613:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
187262	E/A-Modul 1: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X613:4/6		E	2
1A0050	LSB-BSE1: LSBA Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0051	LSB-BSE1: LSBA Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0053	LSB-BSE1: LSBA Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0054	LSB-BSE1: LSBA Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0064	LSB-BSE1: LSBA Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0065	LSB-BSE1: LSBA Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A0066	LSB-BSE1: LSBA Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0067	LSB-BSE1: LSBA Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0068	LSB-BSE1: LSBA Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0069	LSB-BSE1: LSBA Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0150	LSB-BSE1: LSBA Participant Adr. 1 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0151	LSB-BSE1: LSBA Participant Adr. 1 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0153	LSB-BSE1: LSBA Participant Adr. 1 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0154	LSB-BSE1: LSBA Participant Adr. 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0164	LSB-BSE1: LSBA Participant Adr. 1 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0165	LSB-BSE1: LSBA Participant Adr. 1 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A0166	LSB-BSE1: LSBA Participant Adr. 1 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0167	LSB-BSE1: LSBA Participant Adr. 1 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0168	LSB-BSE1: LSBA Participant Adr. 1 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0169	LSB-BSE1: LSBA Participant Adr. 1 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0250	LSB-BSE1: LSBA Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0251	LSB-BSE1: LSBA Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0253	LSB-BSE1: LSBA Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0254	LSB-BSE1: LSBA Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0264	LSB-BSE1: LSBA Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0265	LSB-BSE1: LSBA Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A0266	LSB-BSE1: LSBA Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0267	LSB-BSE1: LSBA Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0268	LSB-BSE1: LSBA Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0269	LSB-BSE1: LSBA Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0950	LSB-BSE1: LSBA Participant Adr. 9 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0951	LSB-BSE1: LSBA Participant Adr. 9 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0953	LSB-BSE1: LSBA Participant Adr. 9 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0954	LSB-BSE1: LSBA Participant Adr. 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0964	LSB-BSE1: LSBA Participant Adr. 9 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0965	LSB-BSE1: LSBA Participant Adr. 9 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A0966	LSB-BSE1: LSBA Participant Adr. 9 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0967	LSB-BSE1: LSBA Participant Adr. 9 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0968	LSB-BSE1: LSBA Participant Adr. 9 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0969	LSB-BSE1: LSBA Participant Adr. 9 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0B50	LSB-BSE1: LSBA Participant Adr. 11 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0B51	LSB-BSE1: LSBA Participant Adr. 11 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0B53	LSB-BSE1: LSBA Participant Adr. 11 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0B54	LSB-BSE1: LSBA Participant Adr. 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0B64	LSB-BSE1: LSBA Participant Adr. 11 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0B65	LSB-BSE1: LSBA Participant Adr. 11 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A0B66	LSB-BSE1: LSBA Participant Adr. 11 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0B67	LSB-BSE1: LSBA Participant Adr. 11 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0B68	LSB-BSE1: LSBA Participant Adr. 11 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0B69	LSB-BSE1: LSBA Participant Adr. 11 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A0C50	LSB-BSE1: LSBA Participant Adr. 12 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A0C51	LSB-BSE1: LSBA Participant Adr. 12 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A0C53	LSB-BSE1: LSBA Participant Adr. 12 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A0C54	LSB-BSE1: LSBA Participant Adr. 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A0C64	LSB-BSE1: LSBA Participant Adr. 12 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A0C65	LSB-BSE1: LSBA Participant Adr. 12 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A0C66	LSB-BSE1: LSBA Participant Adr. 12 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A0C67	LSB-BSE1: LSBA Participant Adr. 12 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A0C68	LSB-BSE1: LSBA Participant Adr. 12 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A0C69	LSB-BSE1: LSBA Participant Adr. 12 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A1650	LSB-BSE1: LSBA Participant Adr. 22 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A1651	LSB-BSE1: LSBA Participant Adr. 22 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A1653	LSB-BSE1: LSBA Participant Adr. 22 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A1654	LSB-BSE1: LSBA Participant Adr. 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	A361.X4:9		E	2
1A1664	LSB-BSE1: LSBA Participant Adr. 22 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A1665	LSB-BSE1: LSBA Participant Adr. 22 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A1666	LSB-BSE1: LSBA Participant Adr. 22 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A1667	LSB-BSE1: LSBA Participant Adr. 22 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A1668	LSB-BSE1: LSBA Participant Adr. 22 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A1669	LSB-BSE1: LSBA Participant Adr. 22 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A1750	LSB-BSE1: LSBA Participant Adr. 23 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A1751	LSB-BSE1: LSBA Participant Adr. 23 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A1753	LSB-BSE1: LSBA Participant Adr. 23 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A1754	LSB-BSE1: LSBA Participant Adr. 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:9		E	2
1A1764	LSB-BSE1: LSBA Participant Adr. 23 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A1765	LSB-BSE1: LSBA Participant Adr. 23 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A1766	LSB-BSE1: LSBA Participant Adr. 23 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A1767	LSB-BSE1: LSBA Participant Adr. 23 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A1768	LSB-BSE1: LSBA Participant Adr. 23 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A1769	LSB-BSE1: LSBA Participant Adr. 23 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A1850	LSB-BSE1: LSBA Participant Adr. 24 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:9		E	2
1A1851	LSB-BSE1: LSBA Participant Adr. 24 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:9		E	2
1A1853	LSB-BSE1: LSBA Participant Adr. 24 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:9		E	1
1A1854	LSB-BSE1: LSBA Participant Adr. 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	A361.X4:9		E	2
1A1864	LSB-BSE1: LSBA Participant Adr. 24 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:9		E	1
1A1865	LSB-BSE1: LSBA Participant Adr. 24 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:9		E	2
1A1866	LSB-BSE1: LSBA Participant Adr. 24 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:9		E	2
1A1867	LSB-BSE1: LSBA Participant Adr. 24 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:9		E	1
1A1868	LSB-BSE1: LSBA Participant Adr. 24 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A1869	LSB-BSE1: LSBA Participant Adr. 24 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:9		E	1
1A2052	LSB-BSE1: Control data transfer LSBA has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:9		E	0
1A2055	LSB-BSE1: Control data transfer LSBA Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:9		E	2
1A2056	LSB-BSE1: Control data transfer LSBA Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:9		E	2
1A2057	LSB-BSE1: Control data transfer LSBA has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:9		E	1
1A2058	LSB-BSE1: Control data transfer LSBA recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:9		E	0
1A2059	LSB-BSE1: Control data transfer LSBA recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:9		E	0
1A2060	LSB-BSE1: Control data transfer LSBA driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:9		E	2
1A2061	LSB-BSE1: Control data transfer LSBA driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:9		E	2
1A2062	LSB-BSE1: Control data transfer LSBA Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A3050	LSB-BSE1: LSBB Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:10		E	2
1A3051	LSB-BSE1: LSBB Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:10		E	2
1A3053	LSB-BSE1: LSBB Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:10		E	1
1A3054	LSB-BSE1: LSBB Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:10		E	2
1A3064	LSB-BSE1: LSBB Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:10		E	1
1A3065	LSB-BSE1: LSBB Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:10		E	2
1A3066	LSB-BSE1: LSBB Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:10		E	2
1A3067	LSB-BSE1: LSBB Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:10		E	1
1A3068	LSB-BSE1: LSBB Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:10		E	1
1A3069	LSB-BSE1: LSBB Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:10		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A3250	LSB-BSE1: LSBB Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:10		E	2
1A3251	LSB-BSE1: LSBB Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:10		E	2
1A3253	LSB-BSE1: LSBB Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:10		E	1
1A3254	LSB-BSE1: LSBB Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:10		E	2
1A3264	LSB-BSE1: LSBB Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:10		E	1
1A3265	LSB-BSE1: LSBB Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:10		E	2
1A3266	LSB-BSE1: LSBB Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:10		E	2
1A3267	LSB-BSE1: LSBB Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:10		E	1
1A3268	LSB-BSE1: LSBB Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:10		E	1
1A3269	LSB-BSE1: LSBB Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:10		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A5052	LSB-BSE1: Control data transfer LSBB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:10		E	0
1A5055	LSB-BSE1: Control data transfer LSBB Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:10		E	2
1A5056	LSB-BSE1: Control data transfer LSBB Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:10		E	2
1A5057	LSB-BSE1: Control data transfer LSBB has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:10		E	1
1A5058	LSB-BSE1: Control data transfer LSBB recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:10		E	0
1A5059	LSB-BSE1: Control data transfer LSBB recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:10		E	0
1A5060	LSB-BSE1: Control data transfer LSBB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:10		E	2
1A5061	LSB-BSE1: Control data transfer LSBB driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:10		E	2
1A5062	LSB-BSE1: Control data transfer LSBB Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:10		E	2
1A6050	LSB-BSE1: LSBC Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:11		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A6051	LSB-BSE1: LSBC Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:11		E	2
1A6053	LSB-BSE1: LSBC Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:11		E	1
1A6054	LSB-BSE1: LSBC Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:11		E	2
1A6064	LSB-BSE1: LSBC Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:11		E	1
1A6065	LSB-BSE1: LSBC Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:11		E	2
1A6066	LSB-BSE1: LSBC Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:11		E	2
1A6067	LSB-BSE1: LSBC Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:11		E	1
1A6068	LSB-BSE1: LSBC Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:11		E	1
1A6069	LSB-BSE1: LSBC Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:11		E	1
1A6250	LSB-BSE1: LSBC Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:11		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A6251	LSB-BSE1: LSBC Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:11		E	2
1A6253	LSB-BSE1: LSBC Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:11		E	1
1A6254	LSB-BSE1: LSBC Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:11		E	2
1A6264	LSB-BSE1: LSBC Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:11		E	1
1A6265	LSB-BSE1: LSBC Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:11		E	2
1A6266	LSB-BSE1: LSBC Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:11		E	2
1A6267	LSB-BSE1: LSBC Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:11		E	1
1A6268	LSB-BSE1: LSBC Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:11		E	1
1A6269	LSB-BSE1: LSBC Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:11		E	1
1A8052	LSB-BSE1: Control data transfer LSBC has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:11		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A8055	LSB-BSE1: Control data transfer LSBC Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:11		E	2
1A8056	LSB-BSE1: Control data transfer LSBC Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:11		E	2
1A8057	LSB-BSE1: Control data transfer LSBC has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:11		E	1
1A8058	LSB-BSE1: Control data transfer LSBC recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:11		E	0
1A8059	LSB-BSE1: Control data transfer LSBC recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:11		E	0
1A8060	LSB-BSE1: Control data transfer LSBC driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:11		E	2
1A8061	LSB-BSE1: Control data transfer LSBC driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:11		E	2
1A8062	LSB-BSE1: Control data transfer LSBC Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:11		E	2
1A9050	LSB-BSE1: LSB-D Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:12		E	2
1A9051	LSB-BSE1: LSB-D Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A9053	LSB-BSE1: LSB-D Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:12		E	1
1A9054	LSB-BSE1: LSB-D Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:12		E	2
1A9064	LSB-BSE1: LSB-D Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:12		E	1
1A9065	LSB-BSE1: LSB-D Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:12		E	2
1A9066	LSB-BSE1: LSB-D Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:12		E	2
1A9067	LSB-BSE1: LSB-D Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:12		E	1
1A9068	LSB-BSE1: LSB-D Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:12		E	1
1A9069	LSB-BSE1: LSB-D Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:12		E	1
1A9250	LSB-BSE1: LSB-D Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X4:12		E	2
1A9251	LSB-BSE1: LSB-D Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X4:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1A9253	LSB-BSE1: LSB-D Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X4:12		E	1
1A9254	LSB-BSE1: LSB-D Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X4:12		E	2
1A9264	LSB-BSE1: LSB-D Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X4:12		E	1
1A9265	LSB-BSE1: LSB-D Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X4:12		E	2
1A9266	LSB-BSE1: LSB-D Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X4:12		E	2
1A9267	LSB-BSE1: LSB-D Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X4:12		E	1
1A9268	LSB-BSE1: LSB-D Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X4:12		E	1
1A9269	LSB-BSE1: LSB-D Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X4:12		E	1
1AB052	LSB-BSE1: Control data transfer LSB-D has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X4:12		E	0
1AB055	LSB-BSE1: Control data transfer LSB-D Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1AB056	LSB-BSE1: Control data transfer LSB-D Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X4:12		E	2
1AB057	LSB-BSE1: Control data transfer LSB-D has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X4:12		E	1
1AB058	LSB-BSE1: Control data transfer LSB-D recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X4:12		E	0
1AB059	LSB-BSE1: Control data transfer LSB-D recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X4:12		E	0
1AB060	LSB-BSE1: Control data transfer LSB-D driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X4:12		E	2
1AB061	LSB-BSE1: Control data transfer LSB-D driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X4:12		E	2
1AB062	LSB-BSE1: Control data transfer LSB-D Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X4:12		E	2
1B0050	LSB-BSE1: LSBE Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:9		E	2
1B0051	LSB-BSE1: LSBE Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:9		E	2
1B0053	LSB-BSE1: LSBE Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:9		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B0054	LSB-BSE1: LSBE Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:9		E	2
1B0064	LSB-BSE1: LSBE Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:9		E	1
1B0065	LSB-BSE1: LSBE Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:9		E	2
1B0066	LSB-BSE1: LSBE Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:9		E	2
1B0067	LSB-BSE1: LSBE Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:9		E	1
1B0068	LSB-BSE1: LSBE Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:9		E	1
1B0069	LSB-BSE1: LSBE Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:9		E	1
1B0250	LSB-BSE1: LSBE Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:9		E	2
1B0251	LSB-BSE1: LSBE Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:9		E	2
1B0253	LSB-BSE1: LSBE Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:9		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B0254	LSB-BSE1: LSBE Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:9		E	2
1B0264	LSB-BSE1: LSBE Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:9		E	1
1B0265	LSB-BSE1: LSBE Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:9		E	2
1B0266	LSB-BSE1: LSBE Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:9		E	2
1B0267	LSB-BSE1: LSBE Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:9		E	1
1B0268	LSB-BSE1: LSBE Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:9		E	1
1B0269	LSB-BSE1: LSBE Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:9		E	1
1B2052	LSB-BSE1: Control data transfer LSBE has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:9		E	0
1B2055	LSB-BSE1: Control data transfer LSBE Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:9		E	2
1B2056	LSB-BSE1: Control data transfer LSBE Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:9		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B2057	LSB-BSE1: Control data transfer LSBE has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:9		E	1
1B2058	LSB-BSE1: Control data transfer LSBE recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:9		E	0
1B2059	LSB-BSE1: Control data transfer LSBE recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:9		E	0
1B2060	LSB-BSE1: Control data transfer LSBE driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:9		E	2
1B2061	LSB-BSE1: Control data transfer LSBE driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:9		E	2
1B2062	LSB-BSE1: Control data transfer LSBE Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:9		E	2
1B3050	LSB-BSE1: LSBF Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:10		E	2
1B3051	LSB-BSE1: LSBF Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:10		E	2
1B3053	LSB-BSE1: LSBF Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:10		E	1
1B3054	LSB-BSE1: LSBF Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:10		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B3064	LSB-BSE1: LSBF Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:10		E	1
1B3065	LSB-BSE1: LSBF Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:10		E	2
1B3066	LSB-BSE1: LSBF Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:10		E	2
1B3067	LSB-BSE1: LSBF Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:10		E	1
1B3068	LSB-BSE1: LSBF Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:10		E	1
1B3069	LSB-BSE1: LSBF Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:10		E	1
1B3250	LSB-BSE1: LSBF Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:10		E	2
1B3251	LSB-BSE1: LSBF Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:10		E	2
1B3253	LSB-BSE1: LSBF Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:10		E	1
1B3254	LSB-BSE1: LSBF Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:10		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B3264	LSB-BSE1: LSBF Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:10		E	1
1B3265	LSB-BSE1: LSBF Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:10		E	2
1B3266	LSB-BSE1: LSBF Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:10		E	2
1B3267	LSB-BSE1: LSBF Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:10		E	1
1B3268	LSB-BSE1: LSBF Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:10		E	1
1B3269	LSB-BSE1: LSBF Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:10		E	1
1B5052	LSB-BSE1: Control data transfer LSBF has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:10		E	0
1B5055	LSB-BSE1: Control data transfer LSBF Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:10		E	2
1B5056	LSB-BSE1: Control data transfer LSBF Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:10		E	2
1B5057	LSB-BSE1: Control data transfer LSBF has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:10		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B5058	LSB-BSE1: Control data transfer LSBF recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:10		E	0
1B5059	LSB-BSE1: Control data transfer LSBF recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:10		E	0
1B5060	LSB-BSE1: Control data transfer LSBF driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:10		E	2
1B5061	LSB-BSE1: Control data transfer LSBF driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:10		E	2
1B5062	LSB-BSE1: Control data transfer LSBF Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:10		E	2
1B6050	LSB-BSE1: LSBG Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:11		E	2
1B6051	LSB-BSE1: LSBG Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:11		E	2
1B6053	LSB-BSE1: LSBG Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:11		E	1
1B6054	LSB-BSE1: LSBG Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:11		E	2
1B6064	LSB-BSE1: LSBG Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B6065	LSB-BSE1: LSBG Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:11		E	2
1B6066	LSB-BSE1: LSBG Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:11		E	2
1B6067	LSB-BSE1: LSBG Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:11		E	1
1B6068	LSB-BSE1: LSBG Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:11		E	1
1B6069	LSB-BSE1: LSBG Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:11		E	1
1B6250	LSB-BSE1: LSBG Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:11		E	2
1B6251	LSB-BSE1: LSBG Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:11		E	2
1B6253	LSB-BSE1: LSBG Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:11		E	1
1B6254	LSB-BSE1: LSBG Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:11		E	2
1B6264	LSB-BSE1: LSBG Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:11		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B6265	LSB-BSE1: LSBG Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:11		E	2
1B6266	LSB-BSE1: LSBG Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:11		E	2
1B6267	LSB-BSE1: LSBG Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:11		E	1
1B6268	LSB-BSE1: LSBG Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:11		E	1
1B6269	LSB-BSE1: LSBG Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:11		E	1
1B8052	LSB-BSE1: Control data transfer LSBG has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:11		E	0
1B8055	LSB-BSE1: Control data transfer LSBG Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:11		E	2
1B8056	LSB-BSE1: Control data transfer LSBG Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:11		E	2
1B8057	LSB-BSE1: Control data transfer LSBG has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:11		E	1
1B8058	LSB-BSE1: Control data transfer LSBG recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:11		E	0



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B8059	LSB-BSE1: Control data transfer LSBG recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:11		E	0
1B8060	LSB-BSE1: Control data transfer LSBG driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:11		E	2
1B8061	LSB-BSE1: Control data transfer LSBG driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:11		E	2
1B8062	LSB-BSE1: Control data transfer LSBG Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:11		E	2
1B9050	LSB-BSE1: LSBH Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:12		E	2
1B9051	LSB-BSE1: LSBH Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:12		E	2
1B9053	LSB-BSE1: LSBH Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:12		E	1
1B9054	LSB-BSE1: LSBH Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:12		E	2
1B9064	LSB-BSE1: LSBH Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:12		E	1
1B9065	LSB-BSE1: LSBH Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B9066	LSB-BSE1: LSBH Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:12		E	2
1B9067	LSB-BSE1: LSBH Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:12		E	1
1B9068	LSB-BSE1: LSBH Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:12		E	1
1B9069	LSB-BSE1: LSBH Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:12		E	1
1B9250	LSB-BSE1: LSBH Participant Adr. 2 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361.X5:12		E	2
1B9251	LSB-BSE1: LSBH Participant Adr. 2 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361.X5:12		E	2
1B9253	LSB-BSE1: LSBH Participant Adr. 2 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361.X5:12		E	1
1B9254	LSB-BSE1: LSBH Participant Adr. 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361.X5:12		E	2
1B9264	LSB-BSE1: LSBH Participant Adr. 2 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361.X5:12		E	1
1B9265	LSB-BSE1: LSBH Participant Adr. 2 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361.X5:12		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1B9266	LSB-BSE1: LSBH Participant Adr. 2 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361.X5:12		E	2
1B9267	LSB-BSE1: LSBH Participant Adr. 2 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361.X5:12		E	1
1B9268	LSB-BSE1: LSBH Participant Adr. 2 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361.X5:12		E	1
1B9269	LSB-BSE1: LSBH Participant Adr. 2 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361.X5:12		E	1
1BB052	LSB-BSE1: Control data transfer LSBH has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361.X5:12		E	0
1BB055	LSB-BSE1: Control data transfer LSBH Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:12		E	2
1BB056	LSB-BSE1: Control data transfer LSBH Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361.X5:12		E	2
1BB057	LSB-BSE1: Control data transfer LSBH has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361.X5:12		E	1
1BB058	LSB-BSE1: Control data transfer LSBH recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361.X5:12		E	0
1BB059	LSB-BSE1: Control data transfer LSBH recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361.X5:12		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1BB060	LSB-BSE1: Control data transfer LSBH driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361.X5:12		E	2
1BB061	LSB-BSE1: Control data transfer LSBH driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361.X5:12		E	2
1BB062	LSB-BSE1: Control data transfer LSBH Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361.X5:12		E	2
1C0050	LSB-BSE1: LSBJ Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C0051	LSB-BSE1: LSBJ Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C0053	LSB-BSE1: LSBJ Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C0054	LSB-BSE1: LSBJ Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2
1C0064	LSB-BSE1: LSBJ Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1
1C0065	LSB-BSE1: LSBJ Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2
1C0066	LSB-BSE1: LSBJ Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C0067	LSB-BSE1: LSBJ Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1
1C0068	LSB-BSE1: LSBJ Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1
1C0069	LSB-BSE1: LSBJ Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1
1C2052	LSB-BSE1: Control data transfer LSBJ has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1C2055	LSB-BSE1: Control data transfer LSBJ Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C2056	LSB-BSE1: Control data transfer LSBJ Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C2057	LSB-BSE1: Control data transfer LSBJ has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1
1C2058	LSB-BSE1: Control data transfer LSBJ recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0
1C2059	LSB-BSE1: Control data transfer LSBJ recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0
1C2060	LSB-BSE1: Control data transfer LSBJ driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C2061	LSB-BSE1: Control data transfer LSBJ driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2
1C2062	LSB-BSE1: Control data transfer LSBJ Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2
1C3050	LSB-BSE1: LSBK Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C3051	LSB-BSE1: LSBK Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C3053	LSB-BSE1: LSBK Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C3054	LSB-BSE1: LSBK Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2
1C3064	LSB-BSE1: LSBK Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1
1C3065	LSB-BSE1: LSBK Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2
1C3066	LSB-BSE1: LSBK Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2
1C3067	LSB-BSE1: LSBK Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C3068	LSB-BSE1: LSBK Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1
1C3069	LSB-BSE1: LSBK Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1
1C5052	LSB-BSE1: Control data transfer LSBK has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1C5055	LSB-BSE1: Control data transfer LSBK Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C5056	LSB-BSE1: Control data transfer LSBK Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C5057	LSB-BSE1: Control data transfer LSBK has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1
1C5058	LSB-BSE1: Control data transfer LSBK recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0
1C5059	LSB-BSE1: Control data transfer LSBK recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0
1C5060	LSB-BSE1: Control data transfer LSBK driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2
1C5061	LSB-BSE1: Control data transfer LSBK driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C5062	LSB-BSE1: Control data transfer LSBK Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2
1C6050	LSB-BSE1: LSBL Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C6051	LSB-BSE1: LSBL Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C6053	LSB-BSE1: LSBL Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C6054	LSB-BSE1: LSBL Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2
1C6064	LSB-BSE1: LSBL Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1
1C6065	LSB-BSE1: LSBL Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2
1C6066	LSB-BSE1: LSBL Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2
1C6067	LSB-BSE1: LSBL Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1
1C6068	LSB-BSE1: LSBL Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C6069	LSB-BSE1: LSBL Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1
1C8052	LSB-BSE1: Control data transfer LSBL has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1C8055	LSB-BSE1: Control data transfer LSBL Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C8056	LSB-BSE1: Control data transfer LSBL Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1C8057	LSB-BSE1: Control data transfer LSBL has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1
1C8058	LSB-BSE1: Control data transfer LSBL recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0
1C8059	LSB-BSE1: Control data transfer LSBL recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0
1C8060	LSB-BSE1: Control data transfer LSBL driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2
1C8061	LSB-BSE1: Control data transfer LSBL driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2
1C8062	LSB-BSE1: Control data transfer LSBL Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1C9050	LSB-BSE1: LSBM Participant Adr. 0 reports an incorrect sensor type Entry in error stack, otherwise no reaction. The answer is interpreted acc. to nominal type recognition check address assignment over test system (LSB-screen), install correct sensor	A361		E	2
1C9051	LSB-BSE1: LSBM Participant Adr. 0 was not configured for the block transfer Entry in error stack, otherwise no reaction. No block transfer is made configuration problem, load new Software	A361		E	2
1C9053	LSB-BSE1: LSBM Participant Adr. 0 no longer reports or withdrawn during running period Entry in error stack, participant is deactivated. Data buffers for application are set to 0 check connection, if connection OK then replace sensor	A361		E	1
1C9054	LSB-BSE1: LSBM Participant Adr. 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	A361		E	2
1C9064	LSB-BSE1: LSBM Participant Adr. 0 reports tolerable error in self-test Entry in error stack otherwise no reaction. Only note, the sensor still functions without restriction check sensor, clean if necessary, with repeated occurrence replace sensor	A361		E	1
1C9065	LSB-BSE1: LSBM Participant Adr. 0 reports intolerable error in self-test Entry in error stack otherwise no reaction. Error free operation is no longer ensured replace sensor immediately	A361		E	2
1C9066	LSB-BSE1: LSBM Participant Adr. 0 with software version, that is no longer compatible Entry in error stack otherwise no reaction. It is tried, if possible, to work with the sensor replace sensor through new part	A361		E	2
1C9067	LSB-BSE1: LSBM Participant Adr. 0 supports no download function Entry in error stack, otherwise no reaction. No download is made Carry out no Download	A361		E	1
1C9068	LSB-BSE1: LSBM Participant Adr. 0 may not be installed in this operating condition Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remove participant from Bus	A361		E	1
1C9069	LSB-BSE1: LSBM Participant Adr. 0 two participants are active on this address Entry in error stack otherwise no reaction. Error free operation is no longer ensured Remedy address conflict by removing one participant. Assign correct addresses via test system	A361		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1CB052	LSB-BSE1: Control data transfer LSBM has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	A361		E	0
1CB055	LSB-BSE1: Control data transfer LSBM Bus connection faulty/defect, short circuit to supply voltage Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1CB056	LSB-BSE1: Control data transfer LSBM Bus connection faulty/defect, no supply/short circuit to earth Entry in error stack, driver tries to restart the bus. As soon as error is remedied, bus will start check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	A361		E	2
1CB057	LSB-BSE1: Control data transfer LSBM has recognised network re-set (data transfer starts again) Entry in error stack, driver restarts and carried out new initialization of network Check bus line, pull successive sensors from bus until source of problem is found. Replace defective part	A361		E	1
1CB058	LSB-BSE1: Control data transfer LSBM recognised participant with incorrect baud rate in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by system. Check address assignment of sensors	A361		E	0
1CB059	LSB-BSE1: Control data transfer LSBM recognised communication breakdown in bus Entry in error stack, driver restarts and carried out new initialization of network Will be remedied by driver when restarting the network	A361		E	0
1CB060	LSB-BSE1: Control data transfer LSBM driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant In case of temporary problems, the error is fixed by system. For incorrect configuration, new software required	A361		E	2
1CB061	LSB-BSE1: Control data transfer LSBM driver error: undefined message appears Entry in error stack, driver restarts and carried out new initialization of network In case of temp. problems, the error will be fixed by system, otherwise new software required to remedy the error	A361		E	2
1CB062	LSB-BSE1: Control data transfer LSBM Driver error: Initialization error Entry in error stack, driver restarts and carried out new initialization of network New Software necessary to remedy error	A361		E	2
1D0612	LSB-BSE1: Data recorder Start: not connected No recording possible! Check data logger in 1 sec. interval Connect data logger, if necessary, check connection from LICCON system to data logger	A361		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1D0620	LSB-BSE1: Data recorder Init: Firmware version incorrect/faulty Has not yet been checked!	A361		E	1
1D0621	LSB-BSE1: Data recorder Init: ATA-card not initialised STATUS-error: Data recorder software stops - no documentation possible! Initialize ATA-Card with PC-Software 'LICCON Manager'	A361		E	1
1D0622	LSB-BSE1: Data recorder Init: ATA-card contains different crane number STATUS-error: Data recorder software stops - no documentation possible! Use ATA card with correct crane number or newly initialised ATA card	A361		E	1
1D0623	LSB-BSE1: Data recorder Init: Format-File-Transfer faulty Repeat of Format-File transfers in 1 sec. cycles If necessary, correct type and country specific format file 'Lnnttt01vvr.Q' in EPROM 0	A361		E	1
1D0630	LSB-BSE1: Data recorder Transfer: Data transmission faulty Repeat of data transfers in 1 sec. cycles If necessary check connection from LICCON system to data recorder	A361		E	1
1D0631	LSB-BSE1: Data recorder Transfer: CSM-protocol error Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder	A361		E	1
1D0632	LSB-BSE1: Data recorder Transfer: Transmission error (CRC) Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder	A361		E	1
1D0633	LSB-BSE1: Data recorder Transfer: STATUS-error Resynchronize depending on STATUS in 1 sec.interval If necessary check connection from LICCON system to data recorder	A361		E	1
1D0634	LSB-BSE1: Data recorder Transfer: TAN-error Synchronise CSM protocol again completely If necessary check connection from LICCON system to data recorder	A361		E	1
1D0635	LSB-BSE1: Data recorder Transfer: Writing error Synchronise CSM protocol again completely If necessary check connection from LICCON-System to data recorder and ATA card	A361		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1D0849	LSB-BSE1: Operating hours counter urgent modul, ZE not available error report Report all error parameters to Service	A361		E	2
1D0878	LSB-BSE1: Operating hours counter impermissible parameter Error message, Parameter is possibly set to min or max Software update required, report all error parameter to Service Dept.	A361		E	2
1DD01E	LSB-BSE1: Supply voltage 15.3 / CPU0 Voltage outside permissible range error report Check voltage, electr. connections and fuse	A361.X1:1		E	2
1DD11E	LSB-BSE1: Supply voltage 30.3 / CPU0 Voltage outside permissible range error report Check battery, electr. connections and fuse	A361.X1:2		E	2
1DDE14	LSB-BSE1: Analog input 0E0 / DSP0 short circuit to supply voltage error report Check DSP0-output A0.0, relay, electr. connections	A361.X4:3		E	2
1DDF14	LSB-BSE1: Analog input 0E1 / DSP0 short circuit to supply voltage error report Check DSP0-output A0.0, relay, electr. connections	A361.X4:4		E	2
1DE012	LSB-BSE1: Analog input 0E2 / DSP0 short circuit to ground error report Check Em. Off switch, voltage, electr. connections	A361.X4:5		E	2
1DE117	LSB-BSE1: Supply voltage 30.1 / DSP0 voltage below required value error indication on display Check battery, voltage, electr. connections and fuse	A361.X4:7		E	2
1DE217	LSB-BSE1: Supply voltage 15.1 / DSP0 voltage below required value error indication on display Check voltage	A361.X4:8		E	2
1DE317	LSB-BSE1: Supply voltage 24V.1 (0A0-1) / DSP0 voltage below required value error indication on display Check voltage, electr. connections and fuse	A361.X4:15		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DE614	LSB-BSE1: Analog input 1E0 / DSP1 short circuit to supply voltage error report Check DSP1-output A0.0, relay, electr. connections	A361.X5:3		E	2
1DE714	LSB-BSE1: Analog input 1E1 / DSP1 short circuit to supply voltage error report Check DSP1-output A0.0, relay, electr. connections	A361.X5:4		E	2
1DE812	LSB-BSE1: Analog input 1E2 / DSP1 short circuit to ground error report Check Em. Off switch, voltage, electr. connections	A361.X5:5		E	2
1DE917	LSB-BSE1: Supply voltage 30.1 / DSP1 voltage below required value error indication on display Check battery, voltage, electr. connections and fuse	A361.X5:7		E	2
1DEA17	LSB-BSE1: Supply voltage 15.1 / DSP1 voltage below required value error indication on display Check voltage	A361.X5:8		E	2
1DEB17	LSB-BSE1: Supply voltage 24V.1 (0A0-1) / DSP1 voltage below required value error indication on display Check voltage, electr. connections and fuse	A361.X5:15		E	2
1DEC1B	LSB-BSE1: 2.Shut off channel / DSP0 digital shut off defective Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, fuse, replace module if nec.	A361		E	2
1DEC72	LSB-BSE1: 2.Shut off channel / DSP0 outside source feeding Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, replace module, if nec.	A361		E	2
1DED1B	LSB-BSE1: 2.Shut off channel / DSP1 digital shut off defective Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, fuse, replace module if nec.	A361		E	2
1DED72	LSB-BSE1: 2.Shut off channel / DSP1 outside source feeding Set error message to display, entry in error stack, error status bit in EW5 Check output current, user, replace module, if nec.	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF006	LSB-BSE1: System error OS-DSP0 initialising error RAM erroneous Entry in error memory, program is stopped Inform Service of all error parameters and replace module	A361		E	2
1DF013	LSB-BSE1: System error OS-DSP0 Test sum in FLASH erroneous error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF016	LSB-BSE1: System error OS-DSP0 system-, driver-watchdog expired error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF050	LSB-BSE1: System error OS-DSP0 file not available error report Reload application software	A361		E	3
1DF073	LSB-BSE1: System error OS-DSP0 interpreter error error indication on display Report all error parameter to Service and replace module. At P0=00000013 carry out download	A361		E	2
1DF082	LSB-BSE1: System error OS-DSP0 hardware-watchdog erroneous Module reset Replace module	A361		E	2
1DF0A1	LSB-BSE1: System error OS-DSP0 System voltage 3V3-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF0A2	LSB-BSE1: System error OS-DSP0 System voltage 5V-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF0AD	LSB-BSE1: System error OS-DSP0 System voltage V26-Core outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF0B1	LSB-BSE1: System error OS-DSP0 Power-Fail-Status incorrect error report Check voltage	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF0C1	LSB-BSE1: System error OS-DSP0 Incorrect or wrong system version for application error report Reload matching system version	A361		E	1
1DF106	LSB-BSE1: System error OS-DSP1 initialising error RAM erroneous Entry in error memory, program is stopped Inform Service of all error parameters and replace module	A361		E	2
1DF113	LSB-BSE1: System error OS-DSP1 Test sum in FLASH erroneous error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF116	LSB-BSE1: System error OS-DSP1 system-, driver-watchdog expired error indication on display Inform Service of all error parameters and replace module	A361		E	2
1DF150	LSB-BSE1: System error OS-DSP1 file not available error report Reload application software	A361		E	3
1DF173	LSB-BSE1: System error OS-DSP1 interpreter error error indication on display Report all error parameter to Service and replace module. At P0=00000013 carry out download	A361		E	2
1DF182	LSB-BSE1: System error OS-DSP1 hardware-watchdog erroneous Module reset Replace module	A361		E	2
1DF1A1	LSB-BSE1: System error OS-DSP1 System voltage 3V3-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF1A2	LSB-BSE1: System error OS-DSP1 System voltage 5V-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF1AD	LSB-BSE1: System error OS-DSP1 System voltage V26-Core outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF1B1	LSB-BSE1: System error OS-DSP1 Power-Fail-Status incorrect error report Check voltage	A361		E	2
1DF1C1	LSB-BSE1: System error OS-DSP1 Incorrect or wrong system version for application error report Reload matching system version	A361		E	1
1DF203	LSB-BSE1: System error OS-CPU0 CW Upload to data bank not carried out error report CW Carry out upload in data bank	A361		E	2
1DF280	LSB-BSE1: System error OS-CPU0 Fatal internal error error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF299	LSB-BSE1: System error OS-CPU0 DSP0 erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF29A	LSB-BSE1: System error OS-CPU0 DSP1 erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF29B	LSB-BSE1: System error OS-CPU0 dsPIC erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2A1	LSB-BSE1: System error OS-CPU0 System voltage 3V3-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2A2	LSB-BSE1: System error OS-CPU0 System voltage 5V-Logic outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2A3	LSB-BSE1: System error OS-CPU0 Board temp. outside permissible range error indication on display Check coolant supply for monitor	A361		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
1DF2A4	LSB-BSE1: System error OS-CPU0 Inside temperature outside permissible range error indication on display Check coolant supply for monitor	A361		E	2
1DF2A5	LSB-BSE1: System error OS-CPU0 System voltage 12V-CCFL outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AB	LSB-BSE1: System error OS-CPU0 System voltage 5V-Standby outside permissible range error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AC	LSB-BSE1: System error OS-CPU0 Restoration of CW-operandi failed error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AE	LSB-BSE1: System error OS-CPU0 System voltage PCMCIA erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
1DF2AF	LSB-BSE1: System error OS-CPU0 System voltage 3V- cell-RTC too low error report If time is corrupt, replace battery Type CR1225 in monitor	A361		E	2
1DF2B0	LSB-BSE1: System error OS-CPU0 Time RTC erroneous (Low-Voltage) error report Replace battery Type CR1225 in monitor	A361		E	2
1DF2C0	LSB-BSE1: System error OS-CPU0 Hardware / Software erroneous error report If error repeated, replace component group, inform Service of error parameter	A361		E	2
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200006	ZE 2: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
200007	ZE 2: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
200010	ZE 2: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
200011	ZE 2: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
200012	ZE 2: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
200013	ZE 2: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200018	ZE 2: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
200019	ZE 2: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
200020	ZE 2: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2
200021	ZE 2: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200022	ZE 2: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
200023	ZE 2: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2
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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200053	ZE 2: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
200054	ZE 2: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
200055	ZE 2: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2
200056	ZE 2: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2
200057	ZE 2: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
200058	ZE 2: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
200059	ZE 2: system error OS-HC11 (observe parameters) subroutine not reentrant 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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
200075	ZE 2: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
200076	ZE 2: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
200077	ZE 2: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2
200078	ZE 2: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2
200079	ZE 2: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
200080	ZE 2: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2
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



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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
210014	ZE 2: output 0 short circuit to supply voltage	X72:16		E	1
210054	ZE 2: output 0 short circuit to supply voltage	X72:16		E	1
210058	ZE 2: output 0 positive switching transistor: disruption	X72:16		E	1
210060	ZE 2: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X72:16		E	1
210062	ZE 2: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:16		E	1
210063	ZE 2: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:16		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
210162	ZE 2: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:17		E	1
210163	ZE 2: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:17		E	1
210170	ZE 2: output 1 measuring system defect no crane operation possible entry in error list	X72:17		E	1
210171	ZE 2: output 1 short circuit to ground or transistor defect	X72:17		E	1

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
210362	ZE 2: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:19		E	1
210363	ZE 2: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X72:19		E	1
210370	ZE 2: output 3 measuring system defect no crane operation possible entry in error list	X72:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
210462	ZE 2: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X72:20		E	1

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

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



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

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

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

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
220704	ZE 2: 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.	X635B:z14/z16		E	1
220705	ZE 2: 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	X635B:z14/z16		E	1
220718	ZE 2: 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	X635B:z14/z16		E	0
220750	ZE 2: 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	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220751	ZE 2: 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	X635B:z14/z16		E	2
220753	ZE 2: 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	X635B:z14/z16		E	1
220754	ZE 2: 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	X635B:z14/z16		E	2
220764	ZE 2: 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	X635B:z14/z16		E	1
220765	ZE 2: 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	X635B:z14/z16		E	2
220766	ZE 2: 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	X635B:z14/z16		E	2
220767	ZE 2: 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	X635B:z14/z16		E	1
220804	ZE 2: 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.	X635B:z14/z16		E	1
220805	ZE 2: 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	X635B:z14/z16		E	1
220818	ZE 2: 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	X635B:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
220850	ZE 2: 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	X635B:z14/z16		E	2
220851	ZE 2: 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	X635B:z14/z16		E	2
220853	ZE 2: 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	X635B:z14/z16		E	1
220854	ZE 2: 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	X635B:z14/z16		E	2
220864	ZE 2: 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	X635B:z14/z16		E	1
220865	ZE 2: 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	X635B:z14/z16		E	2
220866	ZE 2: 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	X635B:z14/z16		E	2
220867	ZE 2: 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	X635B:z14/z16		E	1
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



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
220967	ZE 2: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221004	ZE 2: LSB participant address 10 level exceeded report of error, otherwise no reaction Check sensor installation 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
221005	ZE 2: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221018	ZE 2: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221050	ZE 2: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221051	ZE 2: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221053	ZE 2: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221054	ZE 2: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
221064	ZE 2: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
221065	ZE 2: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
221066	ZE 2: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221067	ZE 2: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221104	ZE 2: 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.	X635B:z14/z16		E	1
221105	ZE 2: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221118	ZE 2: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221150	ZE 2: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221151	ZE 2: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221153	ZE 2: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221154	ZE 2: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
221164	ZE 2: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
221165	ZE 2: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
221166	ZE 2: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221167	ZE 2: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221204	ZE 2: LSB participant address 12 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635B:z14/z16		E	1
221205	ZE 2: LSB participant address 12 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221218	ZE 2: LSB participant address 12 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221250	ZE 2: LSB participant address 12 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221251	ZE 2: LSB participant address 12 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221253	ZE 2: LSB participant address 12 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221254	ZE 2: LSB participant address 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
221264	ZE 2: LSB participant address 12 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
221265	ZE 2: LSB participant address 12 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221266	ZE 2: LSB participant address 12 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221267	ZE 2: LSB participant address 12 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
221504	ZE 2: LSB participant address 15 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
221505	ZE 2: LSB participant address 15 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221518	ZE 2: LSB participant address 15 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221550	ZE 2: LSB participant address 15 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221551	ZE 2: LSB participant address 15 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2
221553	ZE 2: LSB participant address 15 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221554	ZE 2: LSB participant address 15 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221564	ZE 2: LSB participant address 15 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
221565	ZE 2: LSB participant address 15 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
221566	ZE 2: LSB participant address 15 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221567	ZE 2: LSB participant address 15 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221704	ZE 2: 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.	X635B:z14/z16		E	1
221705	ZE 2: 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	X635B:z14/z16		E	1
221718	ZE 2: 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	X635B:z14/z16		E	0
221750	ZE 2: 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	X635B:z14/z16		E	2
221751	ZE 2: 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	X635B:z14/z16		E	2
221753	ZE 2: 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	X635B:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221754	ZE 2: 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	X635B:z14/z16		E	2
221764	ZE 2: 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	X635B:z14/z16		E	1
221765	ZE 2: 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	X635B:z14/z16		E	2
221766	ZE 2: 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	X635B:z14/z16		E	2
221767	ZE 2: 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	X635B:z14/z16		E	1
221804	ZE 2: 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.	X635B:z14/z16		E	1
221805	ZE 2: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635B:z14/z16		E	1
221818	ZE 2: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635B:z14/z16		E	0
221850	ZE 2: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635B:z14/z16		E	2
221851	ZE 2: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635B:z14/z16		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221853	ZE 2: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635B:z14/z16		E	1
221854	ZE 2: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635B:z14/z16		E	2
221864	ZE 2: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635B:z14/z16		E	1
221865	ZE 2: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635B:z14/z16		E	2
221866	ZE 2: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635B:z14/z16		E	2
221867	ZE 2: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635B:z14/z16		E	1
221904	ZE 2: 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.	X635B:z14/z16		E	1
221905	ZE 2: 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	X635B:z14/z16		E	1
221918	ZE 2: 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	X635B:z14/z16		E	0
221950	ZE 2: 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	X635B:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
221951	ZE 2: 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	X635B:z14/z16		E	2
221953	ZE 2: 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	X635B:z14/z16		E	1
221954	ZE 2: 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	X635B:z14/z16		E	2
221964	ZE 2: 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	X635B:z14/z16		E	1
221965	ZE 2: 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	X635B:z14/z16		E	2
221966	ZE 2: 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	X635B:z14/z16		E	2
221967	ZE 2: 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	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

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

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

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

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
232002	ZE 2: control winch 1 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory Observe system error for faulty or missing sensor.			E	1
232003	ZE 2: control winch 1 Winch turn sensor, internal non-tolerable continuous error (P0=04H) Operation conditional switch off, may not be shunted in the LSB- sensor view of the test system: take over default values, otherwise replace sensor			E	
232004	ZE 2: control winch 1 Winch turn sensor, internal non-tolerable continuous error (P0=08H/40H) Operation conditional switch off, may not be shunted replace sensor through new part			E	
232005	ZE 2: control winch 1 Winch turn sensor, internal non-tolerable continuous error (P0=10H) Operation conditional switch off, may not be shunted Reload data on external EEPROM, otherwise replace external EEPROM			E	
232006	ZE 2: control winch 1 Winch turn sensor, internal non-tolerable continuous error (P0=20H) Operation conditional switch off, may not be shunted Reload data on internal EEPROM, otherwise replace sensor			E	
232007	ZE 2: control winch 1 Winch turn sensor, internal, non-tolerable partial error Operation conditional switch off, may not be shunted replace sensor through new part			E	
232008	ZE 2: control winch 1 Winch turn sensor, tolerable error(P0=01H), sensor not exact Output of error (resolution of sensor is bad) Replace sensor in the meantime			E	
232009	ZE 2: control winch 1 Winch turn sensor, tolerable error(P0=02H), replace external EEPROM Output of error Replace sensor in the meantime			E	
232010	ZE 2: control winch 1 Winch turn sensor, tolerable error (P0=04H) button pressed constantly Output of error, adjusting with button does not work Check button, replace sensor in the meantime, if necessary			E	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
232011	ZE 2: control winch 1 Winch turn sensor, tolerable error (P0=08H) pressure sensor1 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
232012	ZE 2: control winch 1 Winch turn sensor, tolerable error(P0=10H) pressure sensor2 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
232013	ZE 2: control winch 1 Winch turn sensor, tolerable error(P0=20H) Safety relay stuck Output of error, 2. shut off "Winch spooled out " does not work Replace sensor in the meantime			E	
232014	ZE 2: control winch 1 Winch turn sensor, tolerable error(P0=40H) Output of error Replace sensor in the meantime			E	
232015	ZE 2: control winch 1 tolerable error, maximum theoretical load collective reached Output of error Check winch			E	
232017	ZE 2: control winch 1 Brake pressure exists and brake is not actuated output of error Check: - Outlet LICCON, -Line for short circuit after supply voltage, hydraulic control hoist gear brake			E	1
232018	ZE 2: control winch 1 Pressure too high when pump is not actuated Output of error Check pump or pressure sensor			E	
232027	ZE 2: control winch 1 Rotational speed too high, current nominal value exceeded error report Check initial current and end current of pump and control motor, adj. if nec. Check hydraulic (espe.			E	1
23202D	ZE 2: control winch 1 Impermissible rotation movement in lowering direction Error message. Shut down winch by closing winch brake Broken drive shaft. Hydraulic short circuit between LIFT and LOWER conn. Motor. Hose breakage. Hydraulic			E	1
23202F	ZE 2: control winch 1 Repl. Pr. Switch continuous actuation or short circuit after VCC output of error Check: - input LICCON, line for short circuit after supply voltage, pressure switch for function			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
232041	ZE 2: control winch 1 Rotation movement against selected movement direction Error message. Shut down winch by closing winch brake Check actuation of crane pump. Check winch turn sensor (count direction), check winch turn sensor(Anba			E	1
232042	ZE 2: control winch 1 Rotation movement at non-actuated winch brake error report Check winch brake. Check winch turn sensor(installation)			E	1
232100	ZE 2: control winch 2 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
232102	ZE 2: control winch 2 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory Observe system error for faulty or missing sensor.			E	1
232103	ZE 2: control winch 2 Winch turn sensor, internal non-tolerable continuous error (P0=04H) Operation conditional switch off, may not be shunted in the LSB- sensor view of the test system: take over default values, otherwise replace sensor			E	
232104	ZE 2: control winch 2 Winch turn sensor, internal non-tolerable continuous error (P0=08H/40H) Operation conditional switch off, may not be shunted replace sensor through new part			E	
232105	ZE 2: control winch 2 Winch turn sensor, internal non-tolerable continuous error (P0=10H) Operation conditional switch off, may not be shunted Reload data on external EEPROM, otherwise replace external EEPROM			E	
232106	ZE 2: control winch 2 Winch turn sensor, internal non-tolerable continuous error (P0=20H) Operation conditional switch off, may not be shunted Reload data on internal EEPROM, otherwise replace sensor			E	
232107	ZE 2: control winch 2 Winch turn sensor, internal, non-tolerable partial error Operation conditional switch off, may not be shunted replace sensor through new part			E	
232108	ZE 2: control winch 2 Winch turn sensor, tolerable error(P0=01H), sensor not exact Output of error (resolution of sensor is bad) Replace sensor in the meantime			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
232109	ZE 2: control winch 2 Winch turn sensor, tolerable error(P0=02H), replace external EEPROM Output of error Replace sensor in the meantime			E	
232110	ZE 2: control winch 2 Winch turn sensor, tolerable error (P0=04H) button pressed constantly Output of error, adjusting with button does not work Check button, replace sensor in the meantime, if necessary			E	
232111	ZE 2: control winch 2 Winch turn sensor,tolerable error (P0=08H) pressure sensor1 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
232112	ZE 2: control winch 2 Winch turn sensor, tolerable error(P0=10H) pressure sensor2 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
232113	ZE 2: control winch 2 Winch turn sensor, tolerable error(P0=20H) Safety relay stuck Output of error, 2. shut off "Winch spooled out " does not work Replace sensor in the meantime			E	
232114	ZE 2: control winch 2 Winch turn sensor, tolerable error(P0=40H) Output of error Replace sensor in the meantime			E	
232115	ZE 2: control winch 2 tolerable error, maximum theoretical load collective reached Output of error Check winch			E	
232117	ZE 2: control winch 2 Brake pressure exists and brake is not actuated output of error Check: - Outlet LICCON, -Line for short circuit after supply voltage, hydraulic control hoist gear brake			E	1
232118	ZE 2: control winch 2 Pressure too high when pump is not actuated Output of error Check pump or pressure sensor			E	
232127	ZE 2: control winch 2 Rotational speed too high, current nominal value exceeded error report Check initial current and end current of pump and control motor, adj. if nec. Check hydraulic (espe.			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
23212D	ZE 2: control winch 2 Impermissible rotation movement in lowering direction Error message. Shut down winch by closing winch brake Broken drive shaft. Hydraulic short circuit between LIFT and LOWER conn. Motor. Hose breakage. Hydraulic			E	1
23212F	ZE 2: control winch 2 Repl. Pr. Switch continuous actuation or short circuit after VCC output of error Check: - input LICCON, line for short circuit after supply voltage, pressure switch for function			E	1
232141	ZE 2: control winch 2 Rotation movement against selected movement direction Error message. Shut down winch by closing winch brake Check actuation of crane pump. Check winch turn sensor (count direction), check winch turn sensor(Anba			E	1
232142	ZE 2: control winch 2 Rotation movement at non-actuated winch brake error report Check winch brake. Check winch turn sensor(installation)			E	1
235000	ZE 2: operation winch 1 Shut off pressure sensor "RFP SA-bracket" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
235001	ZE 2: operation winch 1 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
235004	ZE 2: operation winch 1 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
235005	ZE 2: operation winch 1 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	
235019	ZE 2: operation winch 1 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
235020	ZE 2: operation winch 1 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235021	ZE 2: operation winch 1 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
235022	ZE 2: operation winch 1 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
235024	ZE 2: operation winch 1 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
235025	ZE 2: operation winch 1 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
235026	ZE 2: operation winch 1 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235027	ZE 2: operation winch 1 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235029	ZE 2: operation winch 1 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 1 in control diagram			B	
235030	ZE 2: operation winch 1 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
235033	ZE 2: operation winch 1 Shut-down parallel op. differential path between winches too great Operation conditional switch off, may not be shunted Operate load hook in single operation winches 1 and 2 horizontally and set winches 1 and 2 in parallel operation.			B	
235037	ZE 2: operation winch 1 Winch rotational sensor faulty / missing Operation conditional switch off, may not be shunted Check: -sensor for function, cables for interruption or short circuit			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235039	ZE 2: operation winch 1 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
23503E	ZE 2: operation winch 1 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	
235044	ZE 2: operation winch 1 Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
235050	ZE 2: operation winch 1 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235051	ZE 2: operation winch 1 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235052	ZE 2: operation winch 1 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235057	ZE 2: operation winch 1 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders SA-frame			B	
235062	ZE 2: operation winch 1 Emerg. shut-off winch-winch rotational sensor interrupts brake control Emergency shut-down - raising / lowering winch only possible in emergency operation Check why "Winch wound out" shut-off did not function, lifting/lowering only possible with emergency operation (danger)			B	
235063	ZE 2: operation winch 1 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
235064	ZE 2: operation winch 1 Release pressure of brake fallen below Operation conditional switch off, may not be shunted Check release pressure of brake - shut off not bridgeable			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235066	ZE 2: operation winch 1 Shut off pressure sensor "RFP main boom" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
235067	ZE 2: operation winch 1 Shut off pressure sensor "RFP Derrick" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
235081	ZE 2: operation winch 1 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235082	ZE 2: operation winch 1 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235083	ZE 2: operation winch 1 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
23509A	ZE 2: operation winch 1 Shut off Pressure relapse cyl. Main boom less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders main boom			B	
23509B	ZE 2: operation winch 1 Shut off Pressure relapse cyl. Derrick less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders Derrick			B	
235100	ZE 2: operation winch 2 Shut off pressure sensor "RFP SA-bracket" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
235101	ZE 2: operation winch 2 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
235104	ZE 2: operation winch 2 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235105	ZE 2: operation winch 2 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	
235119	ZE 2: operation winch 2 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
235120	ZE 2: operation winch 2 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
235121	ZE 2: operation winch 2 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
235122	ZE 2: operation winch 2 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
235124	ZE 2: operation winch 2 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
235125	ZE 2: operation winch 2 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
235126	ZE 2: operation winch 2 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235127	ZE 2: operation winch 2 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
235129	ZE 2: operation winch 2 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 2 in control diagram.			B	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235130	ZE 2: operation winch 2 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
235131	ZE 2: operation winch 2 master switch 2 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
235133	ZE 2: operation winch 2 Shut-down parallel op. differential path between winches too great Operation conditional switch off, may not be shunted Operate load hook in single operation winches 1 and 2 horizontally and set winches 1 and 2 in parallel operation.			B	
235137	ZE 2: operation winch 2 Winch rotational sensor faulty / missing Operation conditional switch off, may not be shunted Check: -sensor for function, cables for interruption or short circuit			B	
235139	ZE 2: operation winch 2 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
23513E	ZE 2: operation winch 2 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	
235144	ZE 2: operation winch 2 Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
235150	ZE 2: operation winch 2 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235151	ZE 2: operation winch 2 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
235152	ZE 2: operation winch 2 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
235157	ZE 2: operation winch 2 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders SA-frame			B	
235162	ZE 2: operation winch 2 Emerg. shut-off winch-winch rotational sensor interrupts brake control Emergency shut-down - raising / lowering winch only possible in emergency operation Check why "Winch wound out" shut-off did not function, lifting/lowering only possible with emergency operation (danger)			B	
235163	ZE 2: operation winch 2 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
235164	ZE 2: operation winch 2 Release pressure of brake fallen below Operation conditional switch off, may not be shunted Check release pressure of brake - shut off not bridgeable			B	
235166	ZE 2: operation winch 2 Shut off pressure sensor "RFP main boom" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
235167	ZE 2: operation winch 2 Shut off pressure sensor "RFP Derrick" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
235181	ZE 2: operation winch 2 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235182	ZE 2: operation winch 2 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
235183	ZE 2: operation winch 2 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
23519A	ZE 2: operation winch 2 Shut off Pressure relapse cyl. Main boom less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders main boom			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
23519B	ZE 2: operation winch 2 Shut off Pressure relapse cyl. Derrick less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders Derrick			B	
236942	ZE 2: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
236943	ZE 2: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
287252	E/A-Modul 2: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X623:4/6		E	0
287255	E/A-Modul 2: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X623:4/6		E	2
287256	E/A-Modul 2: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X623:4/6		E	2
287257	E/A-Modul 2: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X623:4/6		E	1
287258	E/A-Modul 2: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X623:4/6		E	0
287259	E/A-Modul 2: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X623:4/6		E	0
287260	E/A-Modul 2: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X623:4/6		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
287261	E/A-Modul 2: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X623:4/6		E	2
287262	E/A-Modul 2: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X623:4/6		E	2
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
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

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

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
300059	ZE 3: system error OS-HC11 (observe parameters) subroutine not reentrant 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
300070	ZE 3: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
300080	ZE 3: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
310062	ZE 3: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:16		E	1
310063	ZE 3: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310070	ZE 3: output 0 measuring system defect no crane operation possible entry in error list	X73:16		E	1
310071	ZE 3: output 0 short circuit to ground or transistor defect	X73:16		E	1
310072	ZE 3: output 0 outside source feeding	X73:16		E	1
310073	ZE 3: output 0 open circuit or short circuit to supply voltage/ground	X73:16		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310162	ZE 3: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:17		E	1
310163	ZE 3: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:17		E	1
310170	ZE 3: output 1 measuring system defect no crane operation possible entry in error list	X73:17		E	1
310171	ZE 3: output 1 short circuit to ground or transistor defect	X73:17		E	1
310172	ZE 3: output 1 outside source feeding	X73:17		E	1
310173	ZE 3: output 1 open circuit or short circuit to supply voltage/ground	X73:17		E	1
310212	ZE 3: output 2 short circuit to ground	X73:18		E	1
310213	ZE 3: output 2 open signal circuits	X73:18		E	1
310214	ZE 3: output 2 short circuit to supply voltage	X73:18		E	1
310254	ZE 3: output 2 short circuit to supply voltage	X73:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310258	ZE 3: output 2 positive switching transistor: disruption	X73:18		E	1
310270	ZE 3: output 2 measuring system defect no crane operation possible entry in error list	X73:18		E	1
310271	ZE 3: output 2 short circuit to ground or transistor defect	X73:18		E	1
310272	ZE 3: output 2 outside source feeding	X73:18		E	1
310273	ZE 3: output 2 open circuit or short circuit to supply voltage/ground	X73:18		E	1
310312	ZE 3: output 3 short circuit to ground	X73:19		E	1
310313	ZE 3: output 3 open signal circuits	X73:19		E	1
310314	ZE 3: output 3 short circuit to supply voltage	X73:19		E	1
310354	ZE 3: output 3 short circuit to supply voltage	X73:19		E	1
310358	ZE 3: output 3 positive switching transistor: disruption	X73:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310360	ZE 3: output 3 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:19		E	1
310362	ZE 3: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:19		E	1
310363	ZE 3: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:19		E	1
310370	ZE 3: output 3 measuring system defect no crane operation possible entry in error list	X73:19		E	1
310371	ZE 3: output 3 short circuit to ground or transistor defect	X73:19		E	1
310372	ZE 3: output 3 outside source feeding	X73:19		E	1
310373	ZE 3: output 3 open circuit or short circuit to supply voltage/ground	X73:19		E	1
310412	ZE 3: output 4 short circuit to ground	X73:20		E	1
310413	ZE 3: output 4 open signal circuits	X73:20		E	1
310414	ZE 3: output 4 short circuit to supply voltage	X73:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310454	ZE 3: output 4 short circuit to supply voltage	X73:20		E	1
310458	ZE 3: output 4 positive switching transistor: disruption	X73:20		E	1
310460	ZE 3: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:20		E	1
310462	ZE 3: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:20		E	1
310463	ZE 3: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:20		E	1
310470	ZE 3: output 4 measuring system defect no crane operation possible entry in error list	X73:20		E	1
310471	ZE 3: output 4 short circuit to ground or transistor defect	X73:20		E	1
310472	ZE 3: output 4 outside source feeding	X73:20		E	1
310473	ZE 3: output 4 open circuit or short circuit to supply voltage/ground	X73:20		E	1
310512	ZE 3: output 5 short circuit to ground	X73:21		E	1



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
310562	ZE 3: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:21		E	1
310563	ZE 3: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:21		E	1
310570	ZE 3: output 5 measuring system defect no crane operation possible entry in error list	X73:21		E	1
310571	ZE 3: output 5 short circuit to ground or transistor defect	X73:21		E	1
310572	ZE 3: output 5 outside source feeding	X73:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310573	ZE 3: output 5 open circuit or short circuit to supply voltage/ground	X73:21		E	1
310612	ZE 3: output 6 short circuit to ground	X73:22		E	1
310613	ZE 3: output 6 open signal circuits	X73:22		E	1
310614	ZE 3: output 6 short circuit to supply voltage	X73:22		E	1
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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
310712	ZE 3: output 7 short circuit to ground	X73:23		E	1
310713	ZE 3: output 7 open signal circuits	X73:23		E	1
310714	ZE 3: output 7 short circuit to supply voltage	X73:23		E	1
310754	ZE 3: output 7 short circuit to supply voltage	X73:23		E	1
310758	ZE 3: output 7 positive switching transistor: disruption	X73:23		E	1
310760	ZE 3: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X73:23		E	1
310762	ZE 3: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X73:23		E	1
310763	ZE 3: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X73:23		E	1
310770	ZE 3: output 7 measuring system defect no crane operation possible entry in error list	X73:23		E	1
310771	ZE 3: output 7 short circuit to ground or transistor defect	X73:23		E	1

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
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
320504	ZE 3: 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.	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320505	ZE 3: 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	X635C:z14/z16		E	1
320518	ZE 3: 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	X635C:z14/z16		E	0
320550	ZE 3: 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	X635C:z14/z16		E	2
320551	ZE 3: 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	X635C:z14/z16		E	2
320553	ZE 3: 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	X635C:z14/z16		E	1
320554	ZE 3: 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	X635C:z14/z16		E	2
320564	ZE 3: 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	X635C:z14/z16		E	1
320565	ZE 3: 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	X635C:z14/z16		E	2
320566	ZE 3: 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	X635C:z14/z16		E	2
320567	ZE 3: 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	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320604	ZE 3: 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.	X635C:z14/z16		E	1
320605	ZE 3: 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	X635C:z14/z16		E	1
320618	ZE 3: 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	X635C:z14/z16		E	0
320650	ZE 3: 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	X635C:z14/z16		E	2
320651	ZE 3: 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	X635C:z14/z16		E	2
320653	ZE 3: 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	X635C:z14/z16		E	1
320654	ZE 3: 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	X635C:z14/z16		E	2
320664	ZE 3: 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	X635C:z14/z16		E	1
320665	ZE 3: 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	X635C:z14/z16		E	2
320666	ZE 3: 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	X635C:z14/z16		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320667	ZE 3: 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	X635C:z14/z16		E	1
320704	ZE 3: 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.	X635C:z14/z16		E	1
320705	ZE 3: 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	X635C:z14/z16		E	1
320718	ZE 3: 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	X635C:z14/z16		E	0
320750	ZE 3: 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	X635C:z14/z16		E	2
320751	ZE 3: 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	X635C:z14/z16		E	2
320753	ZE 3: 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	X635C:z14/z16		E	1
320754	ZE 3: 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	X635C:z14/z16		E	2
320764	ZE 3: 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	X635C:z14/z16		E	1
320765	ZE 3: 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	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
320766	ZE 3: 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	X635C:z14/z16		E	2
320767	ZE 3: 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	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
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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
321004	ZE 3: 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.	X635C:z14/z16		E	1
321005	ZE 3: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321018	ZE 3: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321050	ZE 3: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321051	ZE 3: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321053	ZE 3: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321054	ZE 3: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321064	ZE 3: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321065	ZE 3: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321066	ZE 3: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321067	ZE 3: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321104	ZE 3: LSB participant address 11 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
321105	ZE 3: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321118	ZE 3: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321150	ZE 3: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321151	ZE 3: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321153	ZE 3: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321154	ZE 3: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321164	ZE 3: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321165	ZE 3: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321166	ZE 3: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321167	ZE 3: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321204	ZE 3: LSB participant address 12 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
321205	ZE 3: LSB participant address 12 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321218	ZE 3: LSB participant address 12 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321250	ZE 3: LSB participant address 12 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321251	ZE 3: LSB participant address 12 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321253	ZE 3: LSB participant address 12 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321254	ZE 3: LSB participant address 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321264	ZE 3: LSB participant address 12 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321265	ZE 3: LSB participant address 12 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321266	ZE 3: LSB participant address 12 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321267	ZE 3: LSB participant address 12 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321304	ZE 3: 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.	X635C:z14/z16		E	1
321305	ZE 3: LSB participant address 13 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321318	ZE 3: LSB participant address 13 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321350	ZE 3: LSB participant address 13 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321351	ZE 3: LSB participant address 13 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321353	ZE 3: LSB participant address 13 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321354	ZE 3: LSB participant address 13 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321364	ZE 3: LSB participant address 13 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321365	ZE 3: LSB participant address 13 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321366	ZE 3: LSB participant address 13 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321367	ZE 3: LSB participant address 13 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321404	ZE 3: LSB participant address 14 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
321405	ZE 3: LSB participant address 14 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321418	ZE 3: LSB participant address 14 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321450	ZE 3: LSB participant address 14 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321451	ZE 3: LSB participant address 14 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321453	ZE 3: LSB participant address 14 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321454	ZE 3: LSB participant address 14 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321464	ZE 3: LSB participant address 14 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321465	ZE 3: LSB participant address 14 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321466	ZE 3: LSB participant address 14 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321467	ZE 3: LSB participant address 14 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321504	ZE 3: LSB participant address 15 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321505	ZE 3: LSB participant address 15 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321518	ZE 3: LSB participant address 15 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321550	ZE 3: LSB participant address 15 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321551	ZE 3: LSB participant address 15 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321553	ZE 3: LSB participant address 15 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321554	ZE 3: LSB participant address 15 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321564	ZE 3: LSB participant address 15 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321565	ZE 3: LSB participant address 15 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321566	ZE 3: LSB participant address 15 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321567	ZE 3: LSB participant address 15 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321604	ZE 3: 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.	X635C:z14/z16		E	1
321605	ZE 3: LSB participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321618	ZE 3: LSB participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321650	ZE 3: LSB participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321651	ZE 3: LSB participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321653	ZE 3: LSB participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321654	ZE 3: LSB participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321664	ZE 3: LSB participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321665	ZE 3: LSB participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321666	ZE 3: LSB participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321667	ZE 3: LSB participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321704	ZE 3: LSB participant address 17 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
321705	ZE 3: LSB participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321718	ZE 3: LSB participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321750	ZE 3: LSB participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321751	ZE 3: LSB participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321753	ZE 3: LSB participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321754	ZE 3: LSB participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321764	ZE 3: LSB participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
321765	ZE 3: LSB participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321766	ZE 3: LSB participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321767	ZE 3: LSB participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
321904	ZE 3: 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.	X635C:z14/z16		E	1
321905	ZE 3: LSB participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
321918	ZE 3: LSB participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
321950	ZE 3: LSB participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
321951	ZE 3: LSB participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
321953	ZE 3: LSB participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
321954	ZE 3: LSB participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
321964	ZE 3: LSB participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
321965	ZE 3: LSB participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
321966	ZE 3: LSB participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
321967	ZE 3: LSB participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322004	ZE 3: LSB participant address 20 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
322005	ZE 3: LSB participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322018	ZE 3: LSB participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322050	ZE 3: LSB participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322051	ZE 3: LSB participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322053	ZE 3: LSB participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322054	ZE 3: LSB participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322064	ZE 3: LSB participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322065	ZE 3: LSB participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322066	ZE 3: LSB participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322067	ZE 3: LSB participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322104	ZE 3: LSB participant address 21 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
322105	ZE 3: LSB participant address 21 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322118	ZE 3: LSB participant address 21 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322150	ZE 3: LSB participant address 21 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322151	ZE 3: LSB participant address 21 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322153	ZE 3: LSB participant address 21 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322154	ZE 3: LSB participant address 21 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322164	ZE 3: LSB participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322165	ZE 3: LSB participant address 21 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322166	ZE 3: LSB participant address 21 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322167	ZE 3: LSB participant address 21 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322204	ZE 3: LSB participant address 22 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
322205	ZE 3: LSB participant address 22 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322218	ZE 3: LSB participant address 22 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322250	ZE 3: LSB participant address 22 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322251	ZE 3: LSB participant address 22 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322253	ZE 3: LSB participant address 22 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322254	ZE 3: LSB participant address 22 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322264	ZE 3: LSB participant address 22 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322265	ZE 3: LSB participant address 22 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322266	ZE 3: LSB participant address 22 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322267	ZE 3: LSB participant address 22 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322304	ZE 3: 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.	X635C:z14/z16		E	1
322305	ZE 3: LSB participant address 23 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322318	ZE 3: LSB participant address 23 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322350	ZE 3: LSB participant address 23 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322351	ZE 3: LSB participant address 23 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322353	ZE 3: LSB participant address 23 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322354	ZE 3: LSB participant address 23 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322364	ZE 3: LSB participant address 23 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322365	ZE 3: LSB participant address 23 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322366	ZE 3: LSB participant address 23 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322367	ZE 3: LSB participant address 23 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322404	ZE 3: LSB participant address 24 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
322405	ZE 3: LSB participant address 24 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322418	ZE 3: LSB participant address 24 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322450	ZE 3: LSB participant address 24 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322451	ZE 3: LSB participant address 24 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322453	ZE 3: LSB participant address 24 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322454	ZE 3: LSB participant address 24 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322464	ZE 3: LSB participant address 24 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322465	ZE 3: LSB participant address 24 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322466	ZE 3: LSB participant address 24 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322467	ZE 3: LSB participant address 24 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322504	ZE 3: LSB participant address 25 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
322505	ZE 3: LSB participant address 25 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322518	ZE 3: LSB participant address 25 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322550	ZE 3: LSB participant address 25 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322551	ZE 3: LSB participant address 25 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322553	ZE 3: LSB participant address 25 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322554	ZE 3: LSB participant address 25 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322564	ZE 3: LSB participant address 25 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322565	ZE 3: LSB participant address 25 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322566	ZE 3: LSB participant address 25 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322567	ZE 3: LSB participant address 25 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322604	ZE 3: LSB participant address 26 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322605	ZE 3: LSB participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322618	ZE 3: LSB participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322650	ZE 3: LSB participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322651	ZE 3: LSB participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322653	ZE 3: LSB participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322654	ZE 3: LSB participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322664	ZE 3: LSB participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322665	ZE 3: LSB participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322666	ZE 3: LSB participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322667	ZE 3: LSB participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322704	ZE 3: 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.	X635C:z14/z16		E	1
322705	ZE 3: LSB participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322718	ZE 3: LSB participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322750	ZE 3: LSB participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322751	ZE 3: LSB participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322753	ZE 3: LSB participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322754	ZE 3: LSB participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322764	ZE 3: LSB participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322765	ZE 3: LSB participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2
322766	ZE 3: LSB participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322767	ZE 3: LSB participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
322804	ZE 3: LSB participant address 28 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635C:z14/z16		E	1
322805	ZE 3: LSB participant address 28 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635C:z14/z16		E	1
322818	ZE 3: LSB participant address 28 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635C:z14/z16		E	0
322850	ZE 3: LSB participant address 28 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635C:z14/z16		E	2
322851	ZE 3: LSB participant address 28 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635C:z14/z16		E	2
322853	ZE 3: LSB participant address 28 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635C:z14/z16		E	1
322854	ZE 3: LSB participant address 28 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635C:z14/z16		E	2
322864	ZE 3: LSB participant address 28 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635C:z14/z16		E	1
322865	ZE 3: LSB participant address 28 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635C:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
322866	ZE 3: LSB participant address 28 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635C:z14/z16		E	2
322867	ZE 3: LSB participant address 28 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635C:z14/z16		E	1
323252	ZE 3: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635C:z14/z16		E	0
323255	ZE 3: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635C:z14/z16		E	2
323256	ZE 3: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635C:z14/z16		E	2
323257	ZE 3: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635C:z14/z16		E	1
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



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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
332200	ZE 3: control winch 3 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
332202	ZE 3: control winch 3 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory Observe system error for faulty or missing sensor.			E	1
332203	ZE 3: control winch 3 Winch turn sensor, internal non-tolerable continuous error (P0=04H) Operation conditional switch off, may not be shunted in the LSB- sensor view of the test system: take over default values, otherwise replace sensor			E	
332204	ZE 3: control winch 3 Winch turn sensor, internal non-tolerable continuous error (P0=08H/40H) Operation conditional switch off, may not be shunted replace sensor through new part			E	
332205	ZE 3: control winch 3 Winch turn sensor, internal non-tolerable continuous error (P0=10H) Operation conditional switch off, may not be shunted Reload data on external EEPROM, otherwise replace external EEPROM			E	
332206	ZE 3: control winch 3 Winch turn sensor, internal non-tolerable continuous error (P0=20H) Operation conditional switch off, may not be shunted Reload data on internal EEPROM, otherwise replace sensor			E	
332207	ZE 3: control winch 3 Winch turn sensor, internal, non-tolerable partial error Operation conditional switch off, may not be shunted replace sensor through new part			E	
332208	ZE 3: control winch 3 Winch turn sensor, tolerable error(P0=01H), sensor not exact Output of error (resolution of sensor is bad) Replace sensor in the meantime			E	
332209	ZE 3: control winch 3 Winch turn sensor, tolerable error(P0=02H), replace external EEPROM Output of error Replace sensor in the meantime			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
332210	ZE 3: control winch 3 Winch turn sensor, tolerable error (P0=04H) button pressed constantly Output of error, adjusting with button does not work Check button, replace sensor in the meantime, if necessary			E	
332211	ZE 3: control winch 3 Winch turn sensor,tolerable error (P0=08H) pressure sensor1 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
332212	ZE 3: control winch 3 Winch turn sensor, tolerable error(P0=10H) pressure sensor2 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
332213	ZE 3: control winch 3 Winch turn sensor, tolerable error(P0=20H) Safety relay stuck Output of error, 2. shut off "Winch spooled out " does not work Replace sensor in the meantime			E	
332214	ZE 3: control winch 3 Winch turn sensor, tolerable error(P0=40H) Output of error Replace sensor in the meantime			E	
332215	ZE 3: control winch 3 tolerable error, maximum theoretical load collective reached Output of error Check winch			E	
332217	ZE 3: control winch 3 Brake pressure exists and brake is not actuated output of error Check: - Outlet LICCON, -Line for short circuit after supply voltage, hydraulic control hoist gear brake			E	1
332218	ZE 3: control winch 3 Pressure too high when pump is not actuated Output of error Check pump or pressure sensor			E	
332227	ZE 3: control winch 3 Rotational speed too high, current nominal value exceeded error report Check initial current and end current of pump and control motor, adj. if nec. Check hydraulic (espe.			E	1
33222D	ZE 3: control winch 3 Impermissible rotation movement in lowering direction Error message. Shut down winch by closing winch brake Broken drive shaft. Hydraulic short circuit between LIFT and LOWER conn. Motor. Hose breakage. Hydraulic			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
33222F	ZE 3: control winch 3 Repl. Pr. Switch continuous actuation or short circuit after VCC output of error Check: - input LICCON, line for short circuit after supply voltage, pressure switch for function			E	1
332241	ZE 3: control winch 3 Rotation movement against selected movement direction Error message. Shut down winch by closing winch brake Check actuation of crane pump. Check winch turn sensor (count direction), check winch turn sensor(Anba			E	1
332242	ZE 3: control winch 3 Rotation movement at non-actuated winch brake error report Check winch brake. Check winch turn sensor(installation)			E	1
332300	ZE 3: control winch 4 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
332302	ZE 3: control winch 4 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory Observe system error for faulty or missing sensor.			E	1
332303	ZE 3: control winch 4 Winch turn sensor, internal non-tolerable continuous error (P0=04H) Operation conditional switch off, may not be shunted in the LSB- sensor view of the test system: take over default values, otherwise replace sensor			E	
332304	ZE 3: control winch 4 Winch turn sensor, internal non-tolerable continuous error (P0=08H/40H) Operation conditional switch off, may not be shunted replace sensor through new part			E	
332305	ZE 3: control winch 4 Winch turn sensor, internal non-tolerable continuous error (P0=10H) Operation conditional switch off, may not be shunted Reload data on external EEPROM, otherwise replace external EEPROM			E	
332306	ZE 3: control winch 4 Winch turn sensor, internal non-tolerable continuous error (P0=20H) Operation conditional switch off, may not be shunted Reload data on internal EEPROM, otherwise replace sensor			E	
332307	ZE 3: control winch 4 Winch turn sensor, internal, non-tolerable partial error Operation conditional switch off, may not be shunted replace sensor through new part			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
332308	ZE 3: control winch 4 Winch turn sensor, tolerable error(P0=01H), sensor not exact Output of error (resolution of sensor is bad) Replace sensor in the meantime			E	
332309	ZE 3: control winch 4 Winch turn sensor, tolerable error(P0=02H), replace external EEPROM Output of error Replace sensor in the meantime			E	
332310	ZE 3: control winch 4 Winch turn sensor, tolerable error (P0=04H) button pressed constantly Output of error, adjusting with button does not work Check button, replace sensor in the meantime, if necessary			E	
332311	ZE 3: control winch 4 Winch turn sensor,tolerable error (P0=08H) pressure sensor1 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
332312	ZE 3: control winch 4 Winch turn sensor, tolerable error(P0=10H) pressure sensor2 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
332313	ZE 3: control winch 4 Winch turn sensor, tolerable error(P0=20H) Safety relay stuck Output of error, 2. shut off "Winch spooled out " does not work Replace sensor in the meantime			E	
332314	ZE 3: control winch 4 Winch turn sensor, tolerable error(P0=40H) Output of error Replace sensor in the meantime			E	
332315	ZE 3: control winch 4 tolerable error, maximum theoretical load collective reached Output of error Check winch			E	
332317	ZE 3: control winch 4 Brake pressure exists and brake is not actuated output of error Check: - Outlet LICCON, -Line for short circuit after supply voltage, hydraulic control hoist gear brake			E	1
332318	ZE 3: control winch 4 Pressure too high when pump is not actuated Output of error Check pump or pressure sensor			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
332327	ZE 3: control winch 4 Rotational speed too high, current nominal value exceeded error report Check initial current and end current of pump and control motor, adj. if nec. Check hydraulic (espe.			E	1
33232D	ZE 3: control winch 4 Impermissible rotation movement in lowering direction Error message. Shut down winch by closing winch brake Broken drive shaft. Hydraulic short circuit between LIFT and LOWER conn. Motor. Hose breakage. Hydraulic			E	1
33232F	ZE 3: control winch 4 Repl. Pr. Switch continuous actuation or short circuit after VCC output of error Check: - input LICCON, line for short circuit after supply voltage, pressure switch for function			E	1
332341	ZE 3: control winch 4 Rotation movement against selected movement direction Error message. Shut down winch by closing winch brake Check actuation of crane pump. Check winch turn sensor (count direction), check winch turn sensor(Anba			E	1
332342	ZE 3: control winch 4 Rotation movement at non-actuated winch brake error report Check winch brake. Check winch turn sensor(installation)			E	1
335200	ZE 3: operation winch 3 Shut off pressure sensor "RFP SA-bracket" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335201	ZE 3: operation winch 3 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
335203	ZE 3: operation winch 3 Shut-down jib lower Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
335204	ZE 3: operation winch 3 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
335205	ZE 3: operation winch 3 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335206	ZE 3: operation winch 3 upper angle limit OGW shut-down operational shut down reel winch out until the radius is within the load chart again - shut-down can be shunted (danger)			B	
335207	ZE 3: operation winch 3 lower angle limit UGW shut-down operational shut down reel winch in until the radius is within the load chart again - shut-down can be shunted (danger)			B	
335208	ZE 3: operation winch 3 luffing up main boom shut-down working area limitation ABB operational shut down reel winch out until crane in working area again - shunting through shutting down of working area limitation			B	
335209	ZE 3: operation winch 3 luffing down main boom shut-down working area limitation ABB operational shut down reel winch in until crane in working area again - shunting through shutting down of working area limitation			B	
33520D	ZE 3: operation winch 3 Shut off WA-Bock bottom Operation conditional switch off, may not be shunted reel winch in until limit switch is no longer actuated - shut-down cannot be shunted			B	
335210	ZE 3: operation winch 3 fly jib upper stop shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335211	ZE 3: operation winch 3 fly jib upper flap shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335213	ZE 3: operation winch 3 shut-down as flap not positioned and angle threshold exceeded Operation conditional switch off, may not be shunted check as to why the flap is not in position - shut-down cannot be shunted			B	
335219	ZE 3: operation winch 3 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
335220	ZE 3: operation winch 3 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335221	ZE 3: operation winch 3 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
335222	ZE 3: operation winch 3 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
335224	ZE 3: operation winch 3 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
335226	ZE 3: operation winch 3 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
335227	ZE 3: operation winch 3 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
335228	ZE 3: operation winch 3 Shut-down upper limit angle main boom operational shut down Wind on winch until limit angle is fallen short of - shut-down may be shunted (danger).			B	
335229	ZE 3: operation winch 3 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 3 in control diagram.			B	
335230	ZE 3: operation winch 3 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335232	ZE 3: operation winch 3 master switch 3 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335234	ZE 3: operation winch 3 Shut-down limit angle main boom - derrick Operation conditional switch off, may not be shunted Wind on winch until limit angle is fallen short of - shut-down may be shunted.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335237	ZE 3: operation winch 3 Winch rotational sensor faulty / missing Operation conditional switch off, may not be shunted Check: -sensor for function, cables for interruption or short circuit			B	
335239	ZE 3: operation winch 3 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
33523E	ZE 3: operation winch 3 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	
335244	ZE 3: operation winch 3 Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
335247	ZE 3: operation winch 3 Warning luffing up, dropping of load with reduction of reach Output of error Danger ! Reduction of radius affects no load capacity increase since falling load capacity at reduction of radius			B	
335248	ZE 3: operation winch 3 Shut-down luffing up, dropping of load with reduction of reach operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
335250	ZE 3: operation winch 3 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335251	ZE 3: operation winch 3 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335252	ZE 3: operation winch 3 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335254	ZE 3: operation winch 3 Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335257	ZE 3: operation winch 3 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Re-establish pressure supply SA-frame - luffing down of main boom possible.			B	
335262	ZE 3: operation winch 3 Emerg. shut-off winch-winch rotational sensor interrupts brake control Emergency shut-down - raising / lowering winch only possible in emergency operation Check why "Winch wound out" shut-off did not function, lifting/lowering only possible with emergency operation (danger)			B	
335263	ZE 3: operation winch 3 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
335264	ZE 3: operation winch 3 Release pressure of brake fallen below Operation conditional switch off, may not be shunted Check release pressure of brake - shut off not bridgeable			B	
335266	ZE 3: operation winch 3 Shut off pressure sensor "RFP main boom" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335267	ZE 3: operation winch 3 Shut off pressure sensor "RFP Derrick" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
33526F	ZE 3: operation winch 3 Shut off both limit switches "WA-Bock bottom" incorrect / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335270	ZE 3: operation winch 3 shut-down both limit switches "flap in position" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335272	ZE 3: operation winch 3 shut-down both angle sensors "fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335273	ZE 3: operation winch 3 shut-down both limit switches "lower fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335274	ZE 3: operation winch 3 shut-down both limit switches "upper fly jib flap" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335275	ZE 3: operation winch 3 shut-down both limit switches "upper fly jib stop"defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335281	ZE 3: operation winch 3 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335282	ZE 3: operation winch 3 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335283	ZE 3: operation winch 3 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335285	ZE 3: operation winch 3 Shut-down limit switch right "RFP main boom" faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335286	ZE 3: operation winch 3 Shut-down limit switch "RFP Main boom" links faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335297	ZE 3: operation winch 3 Shut off pressure Relapse cyl. SA br. outside nom. range Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335298	ZE 3: operation winch 3 Shut off pressure Relapse cyl. main boom outside nom. range Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335299	ZE 3: operation winch 3 Shut off pressure Relapse cyl. derrick outside nom. range Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
33529A	ZE 3: operation winch 3 Shut off Pressure relapse cyl. Main boom less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders main boom			B	
33529B	ZE 3: operation winch 3 Shut off Pressure relapse cyl. Derrick less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders Derrick			B	
335300	ZE 3: operation winch 4 Shut off pressure sensor "RFP SA-bracket" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335301	ZE 3: operation winch 4 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
335303	ZE 3: operation winch 4 Shut-down jib lower Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
335304	ZE 3: operation winch 4 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
335305	ZE 3: operation winch 4 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	
335306	ZE 3: operation winch 4 upper angle limit OGW shut-down operational shut down reel winch out until the radius is within the load chart again - shut-down can be shunted (danger)			B	
335307	ZE 3: operation winch 4 lower angle limit UGW shut-down operational shut down reel winch in until the radius is within the load chart again - shut-down can be shunted (danger)			B	
335308	ZE 3: operation winch 4 luffing up main boom shut-down working area limitation ABB operational shut down reel winch out until crane in working area again - shunting through shutting down of working area limitation			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335309	ZE 3: operation winch 4 luffing down main boom shut-down working area limitation ABB operational shut down reel winch in until crane in working area again - shunting through shutting down of working area limitation			B	
33530D	ZE 3: operation winch 4 Shut off WA-Bock bottom Operation conditional switch off, may not be shunted reel winch in until limit switch is no longer actuated - shut-down cannot be shunted			B	
335310	ZE 3: operation winch 4 fly jib upper stop shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335311	ZE 3: operation winch 4 fly jib upper flap shut-down Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	
335313	ZE 3: operation winch 4 shut-down as flap not positioned and angle threshold exceeded Operation conditional switch off, may not be shunted check as to why the flap is not in position - shut-down cannot be shunted			B	
335318	ZE 3: operation winch 4 Shut-down measuring point 1 < F min operational shut down Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
335319	ZE 3: operation winch 4 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
335320	ZE 3: operation winch 4 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
335321	ZE 3: operation winch 4 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
335322	ZE 3: operation winch 4 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335324	ZE 3: operation winch 4 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
335325	ZE 3: operation winch 4 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
335326	ZE 3: operation winch 4 Shut-down upper limit angle derrick OGWD operational shut down Wind on winch until derrick boom is in operating position - shut-down may be shunted (danger).			B	
335327	ZE 3: operation winch 4 Shut-down lower limit angle derrick UGWD operational shut down Wind off winch until derrick boom is in operating position - shut-down may be shunted (danger).			B	
335328	ZE 3: operation winch 4 Shut-down upper limit angle main boom operational shut down Wind on winch until limit angle is fallen short of - shut-down may be shunted (danger).			B	
335329	ZE 3: operation winch 4 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 4 in control diagram.			B	
335330	ZE 3: operation winch 4 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335332	ZE 3: operation winch 4 master switch 3 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
335337	ZE 3: operation winch 4 Winch rotational sensor faulty / missing Operation conditional switch off, may not be shunted Check: -sensor for function, cables for interruption or short circuit			B	
335339	ZE 3: operation winch 4 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
33533E	ZE 3: operation winch 4 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	
335344	ZE 3: operation winch 4 Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
335347	ZE 3: operation winch 4 Warning luffing up, dropping of load with reduction of reach Output of error Danger ! Reduction of radius affects no load capacity increase since falling load capacity at reduction of radius			B	
335348	ZE 3: operation winch 4 Shut-down luffing up, dropping of load with reduction of reach operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
335350	ZE 3: operation winch 4 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335351	ZE 3: operation winch 4 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335352	ZE 3: operation winch 4 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
335354	ZE 3: operation winch 4 Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	
335355	ZE 3: operation winch 4 Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Luff down derrick boom until limit switch no longer activated - Shut-down may not be shunted			B	
335356	ZE 3: operation winch 4 Shut-down angle SA-frame < minimal angle Operation conditional switch off, may not be shunted luff main boom up until limit switch is no longer activated - shut-down cannot be shunted			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335357	ZE 3: operation winch 4 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Re-establish pressure supply SA-frame - shut-down may not be shunted.			B	
335358	ZE 3: operation winch 4 Shut-down guide frame - counterweight bump stop upper Operation conditional switch off, may not be shunted If possible, extend with ballast cylinder, spool up winch 4 or retract support BW move from block position			B	
335359	ZE 3: operation winch 4 Shut-down guide frame - counterweight bump stop lower Operation conditional switch off, may not be shunted If possible, retract with ballast cylinder, spool out winch 4 or extend support BW move from block position			B	
335362	ZE 3: operation winch 4 Emerg. shut-off winch-winch rotational sensor interrupts brake control Emergency shut-down - raising / lowering winch only possible in emergency operation Check why "Winch wound out" shut-off did not function, lifting/lowering only possible with emergency operation (danger)			B	
335363	ZE 3: operation winch 4 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
335364	ZE 3: operation winch 4 Release pressure of brake fallen below Operation conditional switch off, may not be shunted Check release pressure of brake - shut off not bridgeable			B	
335366	ZE 3: operation winch 4 Shut off pressure sensor "RFP main boom" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335367	ZE 3: operation winch 4 Shut off pressure sensor "RFP Derrick" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
33536F	ZE 3: operation winch 4 Shut off both limit switches "WA-Bock bottom" incorrect / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335370	ZE 3: operation winch 4 shut-down both limit switches "flap in position" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335372	ZE 3: operation winch 4 shut-down both angle sensors "fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335373	ZE 3: operation winch 4 shut-down both limit switches "lower fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335374	ZE 3: operation winch 4 shut-down both limit switches "upper fly jib flap" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335375	ZE 3: operation winch 4 shut-down both limit switches "upper fly jib stop"defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335381	ZE 3: operation winch 4 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335382	ZE 3: operation winch 4 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335383	ZE 3: operation winch 4 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
335385	ZE 3: operation winch 4 Shut-down limit switch right "RFP main boom" faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335386	ZE 3: operation winch 4 Shut-down limit switch "RFP Main boom" links faulty / not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335387	ZE 3: operation winch 4 Shut-down limit switch right "Overtop guard cyl D" faulty/not pres Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
335388	ZE 3: operation winch 4 Shut-down limit switch left "Overtop guard cyl D" faulty/not preS Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335391	ZE 3: operation winch 4 Shut-down limit switch right "Limit angle SA-frame" faulty/not pres Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335392	ZE 3: operation winch 4 Shut-down limit switch left "Limit angle SA-frame" faulty/not prese Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335393	ZE 3: operation winch 4 Shut-down limit switch right "Lower count. block" faulty/not pre Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335394	ZE 3: operation winch 4 Shut-down limit switch left "Lower count. block" faulty/not present Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335395	ZE 3: operation winch 4 Shut-down limit switch right "Upper count. block" faulty/not presen Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335396	ZE 3: operation winch 4 Shut-down limit switch left "Upper count. block" faulty / not prese Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335397	ZE 3: operation winch 4 Shut off pressure Relapse cyl. SA br. outside nom. range Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335398	ZE 3: operation winch 4 Shut off pressure Relapse cyl. main boom outside nom. range Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
335399	ZE 3: operation winch 4 Shut off pressure Relapse cyl. derrick outside nom. range Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
33539A	ZE 3: operation winch 4 Shut off Pressure relapse cyl. Main boom less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders main boom			B	
33539B	ZE 3: operation winch 4 Shut off Pressure relapse cyl. Derrick less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders Derrick			B	
336202	ZE 3: Operation crawler Shut-down counterweight on ground Operational shut-down, shuntable via raised key switch B/BW - only switch on if B/BW safely raised If possible raise the wheels via lifting the load or reducing the mounted suspended counterweight			B	
336203	ZE 3: Operation crawler Shut-down support counterweight carriage is not retracted Operation conditional switch off, may not be shunted Retract support counterweight carriage completely.			B	
336205	ZE 3: Operation crawler Shut-down wheels counterweight carriage not in travel position Operational shut-down, shuntable via raised key switch B/BW - only switch on if B/BW safely raised Press tow-travel key until the wheels are in travel direction and the indicator lamp remains on.			B	
336206	ZE 3: Operation crawler Shut-down swing gear brake has not opened with tow-travel BW Operational shut-down, shuntable via raised key switch B/BW - only switch on if B/BW safely raised Check: Brake valve swing gear - electrical selection, short-circuit or interruption, hydraulics.			B	
336207	ZE 3: Operation crawler Shut-down free swing gear is not on with tow-travel BW operational shut down Check: True run or brake swing gear - electrical selection, short-circuit or interruption, hydraulics.			B	
336208	ZE 3: Operation crawler Shut-down swing gear brake has opened with parallel travel BW Operation conditional switch off, may not be shunted Check: Brake valve swing gear - electrical selection, short-circuit following supply voltage, hydraulics.			B	
336209	ZE 3: Operation crawler Shut-down free swing gear is not on with parallel travel BW Operation conditional switch off, may not be shunted Check: True run or brake swing gear - electrical selection, short-circuit or interruption, hydraulics.			B	
336219	ZE 3: Operation crawler no or invalid operation mode shut-down operational shut down Using the additional error reports determine which error is present with ballast configuration.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
336220	ZE 3: Operation crawler High-speed gear crawler is not poss. - parallel op. crawler is on High speed crawler is not possible Switch off crawler parallel operation.			B	
336221	ZE 3: Operation crawler Track top speed not possible – suspended counterweight is raised High speed crawler is not possible Switch off crawler parallel operation.			B	
336230	ZE 3: Operation crawler Master switch 4 faulty/not present operational shut down Put foot pedal in zero position. Otherwise note system error for defective or missing sensors.			B	
336231	ZE 3: Operation crawler Master switch 5 faulty/not present operational shut down Put foot pedal in zero position. Otherwise note system error for defective or missing sensors.			B	
336233	ZE 3: Operation crawler Parallel operation differential path between crawlers too great operational shut down Switch off parallel crawler operation and switch on again, parallel operation is thus newly adjusted.			B	
336239	ZE 3: Operation crawler seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
33623E	ZE 3: Operation crawler Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	
336244	ZE 3: Operation crawler Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
336249	ZE 3: Operation crawler Shut off pressure difference ballast cylinder A/B too large operational shut down Press "A-Stop" key or "B-Stop" key to move only one ballast cylinder to equalize forces in side A/B			B	
336254	ZE 3: Operation crawler Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted luff main boom down until limit switch is no longer activated - shut-down cannot be shunted			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
336255	ZE 3: Operation crawler Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Luff down derrick boom until limit switch no longer activated - Shut-down may not be shunted			B	
336258	ZE 3: Operation crawler Shut-down guide frame - counterweight bump stop upper Operation conditional switch off, may not be shunted If possible, extend with ballast cylinder, spool up winch 4 or retract support BW move from block position			B	
336259	ZE 3: Operation crawler Shut-down guide frame - counterweight bump stop lower Operation conditional switch off, may not be shunted If possible, retract with ballast cylinder, spool out winch 4 or extend support BW move from block position			B	
336270	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" vo. left faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336271	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" vo. right faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336272	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" hi. left faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336273	ZE 3: Operation crawler Shut-down lim switch "Count. on ground" hi. right faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336274	ZE 3: Operation crawler Shut-down limit switch "Support retracted" vo. faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336275	ZE 3: Operation crawler Shut-down limit switch "Support retracted" hi. faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336285	ZE 3: Operation crawler Shut-down limit switch "RFP Main boom" right faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
336286	ZE 3: Operation crawler Shut-down limit switch "RFP Main boom" links faulty/not present Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336287	ZE 3: Operation crawler Shut-down limit switch "Overtop guard cyl D" right faulty/not prese Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336288	ZE 3: Operation crawler Shut-down limit switch "Overtop guard cyl D" left faulty/not presen Operation conditional switch off, may not be shunted Release foot pedal - error remedy see corresponding system error			B	
336293	ZE 3: Operation crawler Shut-down limit switch right "Lower count. block" faulty/not pre Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
336294	ZE 3: Operation crawler Shut-down limit switch "Lower count. block" left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
336295	ZE 3: Operation crawler Shut-down limit switch "Upper count. block" right faulty/not presen Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
336296	ZE 3: Operation crawler Shut-down limit switch "Upper count. block" left faulty/not present Operation conditional switch off, may not be shunted Release master switch - error remedying see corresponding system error.			B	
336942	ZE 3: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
336943	ZE 3: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
384050	E/A-Modul 3: LSB-B participant address 0 reports an incorrect sensor type  Check Bus configuration in LSB test system, remove faulty / incorrect users from Bus	X633:4/6		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
387252	E/A-Modul 3: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X633:4/6		E	0
387255	E/A-Modul 3: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X633:4/6		E	2
387256	E/A-Modul 3: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X633:4/6		E	2
387257	E/A-Modul 3: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X633:4/6		E	1
387258	E/A-Modul 3: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X633:4/6		E	0
387259	E/A-Modul 3: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X633:4/6		E	0
387260	E/A-Modul 3: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X633:4/6		E	2
387261	E/A-Modul 3: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X633:4/6		E	2
387262	E/A-Modul 3: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X633:4/6		E	2
396451	E/A-Modul 3: operation supports unauthorised activation of right support control unit key right support blocked release activated key after having authorized function through hand- key			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400001	ZE 4: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
400002	ZE 4: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
400006	ZE 4: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
400007	ZE 4: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
400010	ZE 4: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped			E	2
400011	ZE 4: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
400012	ZE 4: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
400013	ZE 4: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
400014	ZE 4: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped			E	2
400015	ZE 4: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400016	ZE 4: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped			E	2
400017	ZE 4: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped			E	2
400018	ZE 4: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped			E	2
400019	ZE 4: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped			E	2
400020	ZE 4: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped			E	2
400021	ZE 4: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400022	ZE 4: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped			E	2
400023	ZE 4: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped			E	2
400024	ZE 4: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped			E	2
400025	ZE 4: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped			E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400026	ZE 4: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped			E	2
400030	ZE 4: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped			E	2
400041	ZE 4: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped			E	2
400044	ZE 4: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped			E	2
400045	ZE 4: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped			E	2
400046	ZE 4: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped			E	2
400047	ZE 4: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped			E	2
400048	ZE 4: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped			E	2
400049	ZE 4: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
400050	ZE 4: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400051	ZE 4: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped			E	2
400052	ZE 4: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped			E	2
400053	ZE 4: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped			E	2
400054	ZE 4: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped			E	2
400055	ZE 4: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped			E	2
400056	ZE 4: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped			E	2
400057	ZE 4: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped			E	2
400058	ZE 4: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
400059	ZE 4: system error OS-HC11 (observe parameters) subroutine not reentrant entry in error memory, all crane movements will be stopped			E	2
400060	ZE 4: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400061	ZE 4: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
400062	ZE 4: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
400063	ZE 4: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
400065	ZE 4: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped			E	2
400066	ZE 4: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400067	ZE 4: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400068	ZE 4: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400070	ZE 4: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible			E	2
400071	ZE 4: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible			E	2
400072	ZE 4: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400073	ZE 4: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped			E	2
400074	ZE 4: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped			E	2
400075	ZE 4: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
400076	ZE 4: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
400077	ZE 4: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped			E	2
400078	ZE 4: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped			E	2
400079	ZE 4: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped			E	2
400080	ZE 4: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped			E	2
400081	ZE 4: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped			E	2
400082	ZE 4: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
400094	ZE 4: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
400095	ZE 4: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
400099	ZE 4: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
402001	ZE 4: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
402002	ZE 4: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
402006	ZE 4: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
402007	ZE 4: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
402020	ZE 4: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
402021	ZE 4: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
402082	ZE 4: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410012	ZE 4: output 0 short circuit to ground	X74:16		E	1
410013	ZE 4: output 0 open signal circuits	X74:16		E	1
410014	ZE 4: output 0 short circuit to supply voltage	X74:16		E	1
410054	ZE 4: output 0 short circuit to supply voltage	X74:16		E	1
410058	ZE 4: output 0 positive switching transistor: disruption	X74:16		E	1
410060	ZE 4: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:16		E	1
410062	ZE 4: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:16		E	1
410063	ZE 4: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:16		E	1
410070	ZE 4: output 0 measuring system defect no crane operation possible entry in error list	X74:16		E	1
410071	ZE 4: output 0 short circuit to ground or transistor defect	X74:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410072	ZE 4: output 0 outside source feeding	X74:16		E	1
410073	ZE 4: output 0 open circuit or short circuit to supply voltage/ground	X74:16		E	1
410112	ZE 4: output 1 short circuit to ground	X74:17		E	1
410113	ZE 4: output 1 open signal circuits	X74:17		E	1
410114	ZE 4: output 1 short circuit to supply voltage	X74:17		E	1
410154	ZE 4: output 1 short circuit to supply voltage	X74:17		E	1
410158	ZE 4: output 1 positive switching transistor: disruption	X74:17		E	1
410160	ZE 4: output 1 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:17		E	1
410162	ZE 4: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:17		E	1
410163	ZE 4: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410170	ZE 4: output 1 measuring system defect no crane operation possible entry in error list	X74:17		E	1
410171	ZE 4: output 1 short circuit to ground or transistor defect	X74:17		E	1
410172	ZE 4: output 1 outside source feeding	X74:17		E	1
410173	ZE 4: output 1 open circuit or short circuit to supply voltage/ground	X74:17		E	1
410212	ZE 4: output 2 short circuit to ground	X74:18		E	1
410213	ZE 4: output 2 open signal circuits	X74:18		E	1
410214	ZE 4: output 2 short circuit to supply voltage	X74:18		E	1
410254	ZE 4: output 2 short circuit to supply voltage	X74:18		E	1
410258	ZE 4: output 2 positive switching transistor: disruption	X74:18		E	1
410270	ZE 4: output 2 measuring system defect no crane operation possible entry in error list	X74:18		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410271	ZE 4: output 2 short circuit to ground or transistor defect	X74:18		E	1
410272	ZE 4: output 2 outside source feeding	X74:18		E	1
410273	ZE 4: output 2 open circuit or short circuit to supply voltage/ground	X74:18		E	1
410312	ZE 4: output 3 short circuit to ground	X74:19		E	1
410313	ZE 4: output 3 open signal circuits	X74:19		E	1
410314	ZE 4: output 3 short circuit to supply voltage	X74:19		E	1
410354	ZE 4: output 3 short circuit to supply voltage	X74:19		E	1
410358	ZE 4: output 3 positive switching transistor: disruption	X74:19		E	1
410360	ZE 4: output 3 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:19		E	1
410362	ZE 4: output 3 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410363	ZE 4: output 3 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:19		E	1
410370	ZE 4: output 3 measuring system defect no crane operation possible entry in error list	X74:19		E	1
410371	ZE 4: output 3 short circuit to ground or transistor defect	X74:19		E	1
410372	ZE 4: output 3 outside source feeding	X74:19		E	1
410373	ZE 4: output 3 open circuit or short circuit to supply voltage/ground	X74:19		E	1
410412	ZE 4: output 4 short circuit to ground	X74:20		E	1
410413	ZE 4: output 4 open signal circuits	X74:20		E	1
410414	ZE 4: output 4 short circuit to supply voltage	X74:20		E	1
410454	ZE 4: output 4 short circuit to supply voltage	X74:20		E	1
410458	ZE 4: output 4 positive switching transistor: disruption	X74:20		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410460	ZE 4: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:20		E	1
410462	ZE 4: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:20		E	1
410463	ZE 4: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:20		E	1
410470	ZE 4: output 4 measuring system defect no crane operation possible entry in error list	X74:20		E	1
410471	ZE 4: output 4 short circuit to ground or transistor defect	X74:20		E	1
410472	ZE 4: output 4 outside source feeding	X74:20		E	1
410473	ZE 4: output 4 open circuit or short circuit to supply voltage/ground	X74:20		E	1
410512	ZE 4: output 5 short circuit to ground	X74:21		E	1
410513	ZE 4: output 5 open signal circuits	X74:21		E	1
410514	ZE 4: output 5 short circuit to supply voltage	X74:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410554	ZE 4: output 5 short circuit to supply voltage	X74:21		E	1
410558	ZE 4: output 5 positive switching transistor: disruption	X74:21		E	1
410560	ZE 4: output 5 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:21		E	1
410562	ZE 4: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:21		E	1
410563	ZE 4: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:21		E	1
410570	ZE 4: output 5 measuring system defect no crane operation possible entry in error list	X74:21		E	1
410571	ZE 4: output 5 short circuit to ground or transistor defect	X74:21		E	1
410572	ZE 4: output 5 outside source feeding	X74:21		E	1
410573	ZE 4: output 5 open circuit or short circuit to supply voltage/ground	X74:21		E	1
410612	ZE 4: output 6 short circuit to ground	X74:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410613	ZE 4: output 6 open signal circuits	X74:22		E	1
410614	ZE 4: output 6 short circuit to supply voltage	X74:22		E	1
410654	ZE 4: output 6 short circuit to supply voltage	X74:22		E	1
410658	ZE 4: output 6 positive switching transistor: disruption	X74:22		E	1
410670	ZE 4: output 6 measuring system defect no crane operation possible entry in error list	X74:22		E	1
410671	ZE 4: output 6 short circuit to ground or transistor defect	X74:22		E	1
410672	ZE 4: output 6 outside source feeding	X74:22		E	1
410673	ZE 4: output 6 open circuit or short circuit to supply voltage/ground	X74:22		E	1
410712	ZE 4: output 7 short circuit to ground	X74:23		E	1
410713	ZE 4: output 7 open signal circuits	X74:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
410714	ZE 4: output 7 short circuit to supply voltage	X74:23		E	1
410754	ZE 4: output 7 short circuit to supply voltage	X74:23		E	1
410758	ZE 4: output 7 positive switching transistor: disruption	X74:23		E	1
410760	ZE 4: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X74:23		E	1
410762	ZE 4: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X74:23		E	1
410763	ZE 4: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X74:23		E	1
410770	ZE 4: output 7 measuring system defect no crane operation possible entry in error list	X74:23		E	1
410771	ZE 4: output 7 short circuit to ground or transistor defect	X74:23		E	1
410772	ZE 4: output 7 outside source feeding	X74:23		E	1
410773	ZE 4: output 7 open circuit or short circuit to supply voltage/ground	X74:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
414959	ZE 4: all output supply voltage missing	X74		E	1
415059	ZE 4: output group 0 supply voltage missing	X74:12		E	1
415159	ZE 4: output group 1 supply voltage missing	X74:24		E	1
415259	ZE 4: output group 2 supply voltage missing	X74:25		E	1
415359	ZE 4: output group 3 supply voltage missing	X74:13		E	1
420004	ZE 4: LSB participant address 0 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
420005	ZE 4: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420018	ZE 4: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
420050	ZE 4: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
420051	ZE 4: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420053	ZE 4: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
420054	ZE 4: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420064	ZE 4: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
420065	ZE 4: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
420066	ZE 4: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
420067	ZE 4: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
420104	ZE 4: LSB participant address 1 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
420105	ZE 4: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420118	ZE 4: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
420150	ZE 4: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420151	ZE 4: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
420153	ZE 4: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
420154	ZE 4: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420164	ZE 4: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
420165	ZE 4: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
420166	ZE 4: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
420167	ZE 4: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
420504	ZE 4: 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.	X635D:z14/z16		E	1
420505	ZE 4: 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	X635D:z14/z16		E	1
420518	ZE 4: 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	X635D:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420550	ZE 4: 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	X635D:z14/z16		E	2
420551	ZE 4: 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	X635D:z14/z16		E	2
420553	ZE 4: 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	X635D:z14/z16		E	1
420554	ZE 4: 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	X635D:z14/z16		E	2
420564	ZE 4: 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	X635D:z14/z16		E	1
420565	ZE 4: 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	X635D:z14/z16		E	2
420566	ZE 4: 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	X635D:z14/z16		E	2
420567	ZE 4: 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	X635D:z14/z16		E	1
420604	ZE 4: 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.	X635D:z14/z16		E	1
420605	ZE 4: 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	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420618	ZE 4: 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	X635D:z14/z16		E	0
420650	ZE 4: 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	X635D:z14/z16		E	2
420651	ZE 4: 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	X635D:z14/z16		E	2
420653	ZE 4: 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	X635D:z14/z16		E	1
420654	ZE 4: 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	X635D:z14/z16		E	2
420664	ZE 4: 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	X635D:z14/z16		E	1
420665	ZE 4: 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	X635D:z14/z16		E	2
420666	ZE 4: 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	X635D:z14/z16		E	2
420667	ZE 4: 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	X635D:z14/z16		E	1
420704	ZE 4: 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.	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420705	ZE 4: 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	X635D:z14/z16		E	1
420718	ZE 4: 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	X635D:z14/z16		E	0
420750	ZE 4: 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	X635D:z14/z16		E	2
420751	ZE 4: 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	X635D:z14/z16		E	2
420753	ZE 4: 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	X635D:z14/z16		E	1
420754	ZE 4: 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	X635D:z14/z16		E	2
420764	ZE 4: 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	X635D:z14/z16		E	1
420765	ZE 4: 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	X635D:z14/z16		E	2
420766	ZE 4: 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	X635D:z14/z16		E	2
420767	ZE 4: 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	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420804	ZE 4: 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.	X635D:z14/z16		E	1
420805	ZE 4: LSB participant address 8 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420818	ZE 4: LSB participant address 8 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
420850	ZE 4: LSB participant address 8 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
420851	ZE 4: LSB participant address 8 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
420853	ZE 4: LSB participant address 8 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
420854	ZE 4: LSB participant address 8 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420864	ZE 4: LSB participant address 8 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
420865	ZE 4: LSB participant address 8 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
420866	ZE 4: LSB participant address 8 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420867	ZE 4: LSB participant address 8 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
420904	ZE 4: LSB participant address 9 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
420905	ZE 4: LSB participant address 9 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
420918	ZE 4: LSB participant address 9 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
420950	ZE 4: LSB participant address 9 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
420951	ZE 4: LSB participant address 9 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
420953	ZE 4: LSB participant address 9 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
420954	ZE 4: LSB participant address 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
420964	ZE 4: LSB participant address 9 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
420965	ZE 4: LSB participant address 9 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
420966	ZE 4: LSB participant address 9 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
420967	ZE 4: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421004	ZE 4: LSB participant address 10 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
421005	ZE 4: LSB participant address 10 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421018	ZE 4: LSB participant address 10 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421050	ZE 4: LSB participant address 10 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421051	ZE 4: LSB participant address 10 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421053	ZE 4: LSB participant address 10 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421054	ZE 4: LSB participant address 10 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421064	ZE 4: LSB participant address 10 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421065	ZE 4: LSB participant address 10 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421066	ZE 4: LSB participant address 10 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421067	ZE 4: LSB participant address 10 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421104	ZE 4: LSB participant address 11 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
421105	ZE 4: LSB participant address 11 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421118	ZE 4: LSB participant address 11 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421150	ZE 4: LSB participant address 11 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421151	ZE 4: LSB participant address 11 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421153	ZE 4: LSB participant address 11 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421154	ZE 4: LSB participant address 11 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421164	ZE 4: LSB participant address 11 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421165	ZE 4: LSB participant address 11 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421166	ZE 4: LSB participant address 11 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421167	ZE 4: LSB participant address 11 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421204	ZE 4: 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.	X635D:z14/z16		E	1
421205	ZE 4: LSB participant address 12 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421218	ZE 4: LSB participant address 12 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421250	ZE 4: LSB participant address 12 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421251	ZE 4: LSB participant address 12 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421253	ZE 4: LSB participant address 12 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421254	ZE 4: LSB participant address 12 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421264	ZE 4: LSB participant address 12 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421265	ZE 4: LSB participant address 12 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421266	ZE 4: LSB participant address 12 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421267	ZE 4: LSB participant address 12 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421304	ZE 4: LSB participant address 13 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
421305	ZE 4: LSB participant address 13 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421318	ZE 4: LSB participant address 13 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421350	ZE 4: LSB participant address 13 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421351	ZE 4: LSB participant address 13 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421353	ZE 4: LSB participant address 13 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421354	ZE 4: LSB participant address 13 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421364	ZE 4: LSB participant address 13 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421365	ZE 4: LSB participant address 13 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421366	ZE 4: LSB participant address 13 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421367	ZE 4: LSB participant address 13 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421404	ZE 4: LSB participant address 14 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
421405	ZE 4: LSB participant address 14 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421418	ZE 4: LSB participant address 14 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421450	ZE 4: LSB participant address 14 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421451	ZE 4: LSB participant address 14 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421453	ZE 4: LSB participant address 14 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421454	ZE 4: LSB participant address 14 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421464	ZE 4: LSB participant address 14 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421465	ZE 4: LSB participant address 14 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421466	ZE 4: LSB participant address 14 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421467	ZE 4: LSB participant address 14 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421504	ZE 4: LSB participant address 15 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
421505	ZE 4: LSB participant address 15 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421518	ZE 4: LSB participant address 15 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421550	ZE 4: LSB participant address 15 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421551	ZE 4: LSB participant address 15 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421553	ZE 4: LSB participant address 15 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421554	ZE 4: LSB participant address 15 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421564	ZE 4: LSB participant address 15 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421565	ZE 4: LSB participant address 15 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421566	ZE 4: LSB participant address 15 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421567	ZE 4: LSB participant address 15 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421604	ZE 4: LSB participant address 16 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
421605	ZE 4: LSB participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421618	ZE 4: LSB participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421650	ZE 4: LSB participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421651	ZE 4: LSB participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421653	ZE 4: LSB participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421654	ZE 4: LSB participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421664	ZE 4: LSB participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421665	ZE 4: LSB participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421666	ZE 4: LSB participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421667	ZE 4: LSB participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
421704	ZE 4: LSB participant address 17 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421705	ZE 4: LSB participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421718	ZE 4: LSB participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421750	ZE 4: LSB participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421751	ZE 4: LSB participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421753	ZE 4: LSB participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421754	ZE 4: LSB participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421764	ZE 4: LSB participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421765	ZE 4: LSB participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421766	ZE 4: LSB participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
421767	ZE 4: LSB participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421904	ZE 4: 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.	X635D:z14/z16		E	1
421905	ZE 4: LSB participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
421918	ZE 4: LSB participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
421950	ZE 4: LSB participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
421951	ZE 4: LSB participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
421953	ZE 4: LSB participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
421954	ZE 4: LSB participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
421964	ZE 4: LSB participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
421965	ZE 4: LSB participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
421966	ZE 4: LSB participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
421967	ZE 4: LSB participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422004	ZE 4: LSB participant address 20 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
422005	ZE 4: LSB participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422018	ZE 4: LSB participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422050	ZE 4: LSB participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422051	ZE 4: LSB participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422053	ZE 4: LSB participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422054	ZE 4: LSB participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422064	ZE 4: LSB participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
422065	ZE 4: LSB participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422066	ZE 4: LSB participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422067	ZE 4: LSB participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422104	ZE 4: LSB participant address 21 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
422105	ZE 4: LSB participant address 21 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422118	ZE 4: LSB participant address 21 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422150	ZE 4: LSB participant address 21 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422151	ZE 4: LSB participant address 21 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422153	ZE 4: LSB participant address 21 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422154	ZE 4: LSB participant address 21 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422164	ZE 4: LSB participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422165	ZE 4: LSB participant address 21 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422166	ZE 4: LSB participant address 21 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422167	ZE 4: LSB participant address 21 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422204	ZE 4: 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.	X635D:z14/z16		E	1
422205	ZE 4: LSB participant address 22 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422218	ZE 4: LSB participant address 22 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422250	ZE 4: LSB participant address 22 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422251	ZE 4: LSB participant address 22 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422253	ZE 4: LSB participant address 22 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422254	ZE 4: LSB participant address 22 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422264	ZE 4: LSB participant address 22 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
422265	ZE 4: LSB participant address 22 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422266	ZE 4: LSB participant address 22 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422267	ZE 4: LSB participant address 22 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422304	ZE 4: 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.	X635D:z14/z16		E	1
422305	ZE 4: 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	X635D:z14/z16		E	1
422318	ZE 4: 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	X635D:z14/z16		E	0
422350	ZE 4: 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	X635D:z14/z16		E	2
422351	ZE 4: 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	X635D:z14/z16		E	2
422353	ZE 4: 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	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422354	ZE 4: 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	X635D:z14/z16		E	2
422364	ZE 4: 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	X635D:z14/z16		E	1
422365	ZE 4: 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	X635D:z14/z16		E	2
422366	ZE 4: 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	X635D:z14/z16		E	2
422367	ZE 4: 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	X635D:z14/z16		E	1
422404	ZE 4: 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.	X635D:z14/z16		E	1
422405	ZE 4: LSB participant address 24 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422418	ZE 4: LSB participant address 24 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422450	ZE 4: LSB participant address 24 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422451	ZE 4: LSB participant address 24 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422453	ZE 4: LSB participant address 24 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422454	ZE 4: LSB participant address 24 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422464	ZE 4: LSB participant address 24 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
422465	ZE 4: LSB participant address 24 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422466	ZE 4: LSB participant address 24 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422467	ZE 4: LSB participant address 24 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422504	ZE 4: LSB participant address 25 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
422505	ZE 4: LSB participant address 25 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422518	ZE 4: LSB participant address 25 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422550	ZE 4: LSB participant address 25 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422551	ZE 4: LSB participant address 25 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422553	ZE 4: LSB participant address 25 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422554	ZE 4: LSB participant address 25 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422564	ZE 4: LSB participant address 25 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
422565	ZE 4: LSB participant address 25 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422566	ZE 4: LSB participant address 25 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422567	ZE 4: LSB participant address 25 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422604	ZE 4: LSB participant address 26 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
422605	ZE 4: LSB participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422618	ZE 4: LSB participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422650	ZE 4: LSB participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422651	ZE 4: LSB participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422653	ZE 4: LSB participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422654	ZE 4: LSB participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422664	ZE 4: LSB participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
422665	ZE 4: LSB participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422666	ZE 4: LSB participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422667	ZE 4: LSB participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422704	ZE 4: LSB participant address 27 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1
422705	ZE 4: LSB participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422718	ZE 4: LSB participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422750	ZE 4: LSB participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422751	ZE 4: LSB participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422753	ZE 4: LSB participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422754	ZE 4: LSB participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422764	ZE 4: LSB participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
422765	ZE 4: LSB participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422766	ZE 4: LSB participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422767	ZE 4: LSB participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1
422804	ZE 4: LSB participant address 28 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
422805	ZE 4: LSB participant address 28 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635D:z14/z16		E	1
422818	ZE 4: LSB participant address 28 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635D:z14/z16		E	0
422850	ZE 4: LSB participant address 28 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635D:z14/z16		E	2
422851	ZE 4: LSB participant address 28 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635D:z14/z16		E	2
422853	ZE 4: LSB participant address 28 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635D:z14/z16		E	1
422854	ZE 4: LSB participant address 28 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635D:z14/z16		E	2
422864	ZE 4: LSB participant address 28 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635D:z14/z16		E	1
422865	ZE 4: LSB participant address 28 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635D:z14/z16		E	2
422866	ZE 4: LSB participant address 28 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635D:z14/z16		E	2
422867	ZE 4: LSB participant address 28 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635D:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
423252	ZE 4: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635D:z14/z16		E	0
423255	ZE 4: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635D:z14/z16		E	2
423256	ZE 4: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635D:z14/z16		E	2
423257	ZE 4: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635D:z14/z16		E	1
423258	ZE 4: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635D:z14/z16		E	0
423259	ZE 4: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635D:z14/z16		E	0
423260	ZE 4: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635D:z14/z16		E	2
423261	ZE 4: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635D:z14/z16		E	2
423262	ZE 4: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635D:z14/z16		E	2
430610	ZE 4: Data recorder Start: (still) no valid crane number entered Inspect in 10 sec. cycles Write in coefficients incl. crane number in the NT in "CRANE COMMISSIONING " program (MO > AK)			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
430611	ZE 4: Data recorder Start: Crane number faulty (not 9 figures numerically) Data recorder software stops - no documentation possible! Define crane number correctly (Sxxxxxx.yyQ - KNFttt00vvrr.Q)			E	1
430612	ZE 4: Data recorder Start: not connected Data recorder software stops - no documentation possible! Connect data logger correctly			E	1
430620	ZE 4: Data recorder Init: Firmware version incorrect/faulty Has not yet been checked!			E	1
430621	ZE 4: Data recorder Init: ATA-card not initialised STATUS-error: Data recorder software stops - no documentation possible! Initialise ATA card with PC-Software "LICCON Manager"			E	1
430622	ZE 4: Data recorder Init: ATA-card contains different crane number STATUS-error: Data recorder software stops - no documentation possible! Use ATA card with correct crane number or newly initialised ATA card			E	1
430623	ZE 4: Data recorder Init: Format-File-Transfer faulty Repeat of Format-File transfers in 1 sec. cycles If necessary correct types and country specific Format-File "Lnnttt01vvrr.Q" in EPROM 0			E	1
430630	ZE 4: Data recorder Transfer: Data transmission faulty Repeat of data transfers in 1 sec. cycles If necessary check connection from LICCON system to data recorder			E	1
430631	ZE 4: Data recorder Transfer: CSM-protocol error Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder			E	1
430632	ZE 4: Data recorder Transfer: Transmission error (CRC) Respective telegram is repeated max. 3x, then synchronise completely anew If necessary check connection from LICCON system to data recorder			E	1
430633	ZE 4: Data recorder Transfer: STATUS-error Dependent upon STATUS in 1 sec. cycles synchronise anew or stop data recorder software If necessary check connection from LICCON system to data recorder			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
430634	ZE 4: Data recorder Transfer: TAN-error Synchronise CSM protocol again completely If necessary check connection from LICCON system to data recorder			E	1
430635	ZE 4: Data recorder Transfer: Writing error Synchronise CSM protocol again completely If necessary check connection from LICCON-System to data recorder and ATA card			E	1
430636	ZE 4: Data recorder Transfer: No recorder data (SPS-Handshake) LICCON-data logger software tries again in 1 sec. cycle Check function of SPS software			E	1
432400	ZE 4: control winch 5 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
432402	ZE 4: control winch 5 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory Observe system error for faulty or missing sensor.			E	1
432403	ZE 4: control winch 5 Winch turn sensor, internal non-tolerable continuous error (P0=04H) Operation conditional switch off, may not be shunted in the LSB- sensor view of the test system: take over default values, otherwise replace sensor			E	
432404	ZE 4: control winch 5 Winch turn sensor, internal non-tolerable continuous error (P0=08H/40H) Operation conditional switch off, may not be shunted replace sensor through new part			E	
432405	ZE 4: control winch 5 Winch turn sensor, internal non-tolerable continuous error (P0=10H) Operation conditional switch off, may not be shunted Reload data on external EEPROM, otherwise replace external EEPROM			E	
432406	ZE 4: control winch 5 Winch turn sensor, internal non-tolerable continuous error (P0=20H) Operation conditional switch off, may not be shunted Reload data on internal EEPROM, otherwise replace sensor			E	
432407	ZE 4: control winch 5 Winch turn sensor, internal, non-tolerable partial error Operation conditional switch off, may not be shunted replace sensor through new part			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
432408	ZE 4: control winch 5 Winch turn sensor, tolerable error(P0=01H), sensor not exact Output of error (resolution of sensor is bad) Replace sensor in the meantime			E	
432409	ZE 4: control winch 5 Winch turn sensor, tolerable error(P0=02H), replace external EEPROM Output of error Replace sensor in the meantime			E	
432410	ZE 4: control winch 5 Winch turn sensor, tolerable error (P0=04H) button pressed constantly Output of error, adjusting with button does not work Check button, replace sensor in the meantime, if necessary			E	
432411	ZE 4: control winch 5 Winch turn sensor,tolerable error (P0=08H) pressure sensor1 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
432412	ZE 4: control winch 5 Winch turn sensor, tolerable error(P0=10H) pressure sensor2 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
432413	ZE 4: control winch 5 Winch turn sensor, tolerable error(P0=20H) Safety relay stuck Output of error, 2. shut off "Winch spooled out " does not work Replace sensor in the meantime			E	
432414	ZE 4: control winch 5 Winch turn sensor, tolerable error(P0=40H) Output of error Replace sensor in the meantime			E	
432415	ZE 4: control winch 5 tolerable error, maximum theoretical load collective reached Output of error Check winch			E	
432417	ZE 4: control winch 5 Brake pressure exists and brake is not actuated output of error Check: - Outlet LICCON, -Line for short circuit after supply voltage, hydraulic control hoist gear brake			E	1
432418	ZE 4: control winch 5 Pressure too high when pump is not actuated Output of error Check pump or pressure sensor			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
432427	ZE 4: control winch 5 Rotational speed too high, current nominal value exceeded error report Check initial current and end current of pump and control motor, adj. if nec. Check hydraulic (espe.			E	1
43242D	ZE 4: control winch 5 Impermissible rotation movement in lowering direction Error message. Shut down winch by closing winch brake Broken drive shaft. Hydraulic short circuit between LIFT and LOWER conn. Motor. Hose breakage. Hydraulic			E	1
43242F	ZE 4: control winch 5 Repl. Pr. Switch continuous actuation or short circuit after VCC output of error Check: - input LICCON, line for short circuit after supply voltage, pressure switch for function			E	1
432441	ZE 4: control winch 5 Rotation movement against selected movement direction Error message. Shut down winch by closing winch brake Check actuation of crane pump. Check winch turn sensor (count direction), check winch turn sensor(Anba			E	1
432442	ZE 4: control winch 5 Rotation movement at non-actuated winch brake error report Check winch brake. Check winch turn sensor(installation)			E	1
432500	ZE 4: control winch 6 no slewing movement recognized on actuated winch output of error check LICCON output, lines for short or break, incremental sensor on function, hoisting gear brake			E	1
432502	ZE 4: control winch 6 hydraulic circuit pressure sensor defective/missing if valid winch torque for LMB is available this will be used, otherwise 0 bar is loaded into pressure value memory Observe system error for faulty or missing sensor.			E	1
432503	ZE 4: control winch 6 Winch turn sensor, internal non-tolerable continuous error (P0=04H) Operation conditional switch off, may not be shunted in the LSB- sensor view of the test system: take over default values, otherwise replace sensor			E	
432504	ZE 4: control winch 6 Winch turn sensor, internal non-tolerable continuous error (P0=08H/40H) Operation conditional switch off, may not be shunted replace sensor through new part			E	
432505	ZE 4: control winch 6 Winch turn sensor, internal non-tolerable continuous error (P0=10H) Operation conditional switch off, may not be shunted Reload data on external EEPROM, otherwise replace external EEPROM			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
432506	ZE 4: control winch 6 Winch turn sensor, internal non-tolerable continuous error (P0=20H) Operation conditional switch off, may not be shunted Reload data on internal EEPROM, otherwise replace sensor			E	
432507	ZE 4: control winch 6 Winch turn sensor, internal, non-tolerable partial error Operation conditional switch off, may not be shunted replace sensor through new part			E	
432508	ZE 4: control winch 6 Winch turn sensor, tolerable error(P0=01H), sensor not exact Output of error (resolution of sensor is bad) Replace sensor in the meantime			E	
432509	ZE 4: control winch 6 Winch turn sensor, tolerable error(P0=02H), replace external EEPROM Output of error Replace sensor in the meantime			E	
432510	ZE 4: control winch 6 Winch turn sensor, tolerable error (P0=04H) button pressed constantly Output of error, adjusting with button does not work Check button, replace sensor in the meantime, if necessary			E	
432511	ZE 4: control winch 6 Winch turn sensor,tolerable error (P0=08H) pressure sensor1 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
432512	ZE 4: control winch 6 Winch turn sensor, tolerable error(P0=10H) pressure sensor2 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
432513	ZE 4: control winch 6 Winch turn sensor, tolerable error(P0=20H) Safety relay stuck Output of error, 2. shut off "Winch spooled out " does not work Replace sensor in the meantime			E	
432514	ZE 4: control winch 6 Winch turn sensor, tolerable error(P0=40H) Output of error Replace sensor in the meantime			E	
432515	ZE 4: control winch 6 tolerable error, maximum theoretical load collective reached Output of error Check winch			E	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
432517	ZE 4: control winch 6 Brake pressure exists and brake is not actuated output of error Check: - Outlet LICCON, -Line for short circuit after supply voltage, hydraulic control hoist gear brake			E	1
432518	ZE 4: control winch 6 Pressure too high when pump is not actuated Output of error Check pump or pressure sensor			E	
432527	ZE 4: control winch 6 Rotational speed too high, current nominal value exceeded error report Check initial current and end current of pump and control motor, adj. if nec. Check hydraulic (espe.			E	1
43252D	ZE 4: control winch 6 Impermissible rotation movement in lowering direction Error message. Shut down winch by closing winch brake Broken drive shaft. Hydraulic short circuit between LIFT and LOWER conn. Motor. Hose breakage. Hydraulic			E	1
43252F	ZE 4: control winch 6 Repl. Pr. Switch continuous actuation or short circuit after VCC output of error Check: - input LICCON, line for short circuit after supply voltage, pressure switch for function			E	1
432541	ZE 4: control winch 6 Rotation movement against selected movement direction Error message. Shut down winch by closing winch brake Check actuation of crane pump. Check winch turn sensor (count direction), check winch turn sensor(Anba			E	1
432542	ZE 4: control winch 6 Rotation movement at non-actuated winch brake error report Check winch brake. Check winch turn sensor(installation)			E	1
435400	ZE 4: operation winch 5 Shut off pressure sensor "RFP SA-bracket" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435401	ZE 4: operation winch 5 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
435403	ZE 4: operation winch 5 Shut-down jib lower Operation conditional switch off, may not be shunted Luff up jib until limit switch no longer activated - shut-up jib may not be shunted			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435404	ZE 4: operation winch 5 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
435405	ZE 4: operation winch 5 reeled winch shut-down Operation conditional switch off, may not be shunted Wind off winch until switch "Winch wound on" is no longer activated - shut-down may not be shunted			B	
435406	ZE 4: operation winch 5 upper angle limit OGW shut-down operational shut down reel winch out until the radius is within the load chart again - shut-down can be shunted (danger)			B	
435407	ZE 4: operation winch 5 lower angle limit UGW shut-down operational shut down reel winch in until the radius is within the load chart again - shut-down can be shunted (danger)			B	
43540D	ZE 4: operation winch 5 Shut off WA-Bock bottom Operation conditional switch off, may not be shunted reel winch in until limit switch is no longer actuated - shut-down cannot be shunted			B	
435410	ZE 4: operation winch 5 fly jib upper stop shut-down Operation conditional switch off, may not be shunted Luff down jib until limit switch no longer activated - shut-down may not be activated			B	
435411	ZE 4: operation winch 5 fly jib upper flap shut-down Operation conditional switch off, may not be shunted Luff down jib until limit switch no longer activated - shut-down may not be activated			B	
435413	ZE 4: operation winch 5 shut-down as flap not positioned and angle threshold exceeded Operation conditional switch off, may not be shunted check as to why the flap is not in position - shut-down cannot be shunted			B	
435414	ZE 4: operation winch 5 pressure retaining cylinder RFP N shut-down outside set range Operation conditional switch off, may not be shunted Wind off winch until pressure is once again within the desired range - shut-down may not be shunted .			B	
435416	ZE 4: operation winch 5 luffing up accessory shut-down working area limitation ABB operational shut down reel winch out until crane in working area again - shunting through shutting down of working area limitation			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435417	ZE 4: operation winch 5 luffing down accessory shut-down working area limitation ABB operational shut down reel winch in until crane in working area again - shunting through shutting down of working area limitation			B	
435419	ZE 4: operation winch 5 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
435420	ZE 4: operation winch 5 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
435421	ZE 4: operation winch 5 Shut-down measuring point 1 > F max - operation Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
435422	ZE 4: operation winch 5 Shut-down measuring point 1 > F max - assembly operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
435424	ZE 4: operation winch 5 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
435425	ZE 4: operation winch 5 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
435426	ZE 4: operation winch 5 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
435427	ZE 4: operation winch 5 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
435428	ZE 4: operation winch 5 Shut-down upper limit angle main boom Operation conditional switch off, may not be shunted Spool up - out winch 5 is only permitted at main boom positions small limit angle			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435429	ZE 4: operation winch 5 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 5 in control diagram.			B	
435430	ZE 4: operation winch 5 master switch 1 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435431	ZE 4: operation winch 5 master switch 2 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435432	ZE 4: operation winch 5 master switch 3 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435437	ZE 4: operation winch 5 Winch rotational sensor faulty / missing Operation conditional switch off, may not be shunted Check: -sensor for function, cables for interruption or short circuit			B	
435438	ZE 4: operation winch 5 Shut-down upper limit angle accessory Operation conditional switch off, may not be shunted Luff up main boom during erection procedure, luff down main boom or accessory during setting down procedure.			B	
435439	ZE 4: operation winch 5 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
43543E	ZE 4: operation winch 5 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	
435444	ZE 4: operation winch 5 Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
435447	ZE 4: operation winch 5 Warning luffing up, dropping of load with reduction of reach Output of error Danger ! Reduction of radius affects no load capacity increase since falling load capacity at reduction of radius			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435448	ZE 4: operation winch 5 Shut-down luffing up, dropping of load with reduction of reach operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
435450	ZE 4: operation winch 5 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435451	ZE 4: operation winch 5 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435452	ZE 4: operation winch 5 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435457	ZE 4: operation winch 5 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders SA-frame			B	
435462	ZE 4: operation winch 5 Emerg. shut-off winch-winch rotational sensor interrupts brake control Emergency shut-down - raising / lowering winch only possible in emergency operation Check why "Winch wound out" shut-off did not function, lifting/lowering only possible with emergency operation (danger)			B	
435463	ZE 4: operation winch 5 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
435464	ZE 4: operation winch 5 Release pressure of brake fallen below Operation conditional switch off, may not be shunted Check release pressure of brake - shut off not bridgeable			B	
435465	ZE 4: operation winch 5 Assembly switch is not turned on operational shut down Spool up - out winch 5 is only permitted with switched on installation switch .			B	
435466	ZE 4: operation winch 5 Shut off pressure sensor "RFP main boom" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435467	ZE 4: operation winch 5 Shut off pressure sensor "RFP Derrick" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
43546F	ZE 4: operation winch 5 Shut off both limit switches "WA-Bock bottom" incorrect / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435470	ZE 4: operation winch 5 shut-down both limit switches "flap in position" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435472	ZE 4: operation winch 5 shut-down both angle sensors "fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435473	ZE 4: operation winch 5 shut-down both limit switches "lower fly jib" defective/missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435474	ZE 4: operation winch 5 shut-down both limit switches "upper fly jib flap" defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435475	ZE 4: operation winch 5 shut-down both limit switches "upper fly jib stop"defect./missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435481	ZE 4: operation winch 5 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
435482	ZE 4: operation winch 5 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
435483	ZE 4: operation winch 5 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
43549A	ZE 4: operation winch 5 Shut off Pressure relapse cyl. Main boom less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders main boom			B	
43549B	ZE 4: operation winch 5 Shut off Pressure relapse cyl. Derrick less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders Derrick			B	
435500	ZE 4: operation winch 6 Shut off pressure sensor "RFP SA-bracket" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435501	ZE 4: operation winch 6 feed pressure supply missing/too low Operation conditional switch off, may not be shunted Reestablish charge pressure supply - shut-down may not be shunted			B	
435504	ZE 4: operation winch 6 unreeled winch shut-down Operation conditional switch off, may not be shunted reel in winch until the "winch reeled out" switch is no longer actuated - shut-down cannot be shunted			B	
435505	ZE 4: operation winch 6 reeled winch shut-down Operation conditional switch off, may not be shunted reel out winch until the "winch reeled in" switch is no longer actuated -shut-down cannot be shunted			B	
435519	ZE 4: operation winch 6 no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
435520	ZE 4: operation winch 6 LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
435521	ZE 4: operation winch 6 Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
435522	ZE 4: operation winch 6 Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435524	ZE 4: operation winch 6 Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
435525	ZE 4: operation winch 6 Shut-down measuring point 1 < F min and count. utilisation > 90% Operation conditional switch off, may not be shunted Set down derrick counterweight on ground, if not possible unload derrick counterweight, until forces in desired range			B	
435526	ZE 4: operation winch 6 Shut-down upper limit angle derrick OGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
435527	ZE 4: operation winch 6 Shut-down lower limit angle derrick UGWD operational shut down Operate derrick boom in operating position - shut-down may be shunted (danger).			B	
435529	ZE 4: operation winch 6 winch blocked (C-key monitor) Operation conditional switch off, may not be shunted Authorise winch 6 in control diagram.			B	
435531	ZE 4: operation winch 6 master switch 2 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435532	ZE 4: operation winch 6 master switch 3 defective/missing operational shut down Turn master switch to zero position. Otherwise note system error for defective or missing sensors.			B	
435537	ZE 4: operation winch 6 Winch rotational sensor faulty / missing Operation conditional switch off, may not be shunted Check: -sensor for function, cables for interruption or short circuit			B	
435539	ZE 4: operation winch 6 seat contact shut-down operational shut down Sit down or actuate one of the shunting switches for the seat contact in the master switches.			B	
43553E	ZE 4: operation winch 6 Shut off master switch zero position forced operational shut down Bring the master switch to neutral pos. and then deflect the desired movement again			B	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435544	ZE 4: operation winch 6 Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate master switch.			B	
435550	ZE 4: operation winch 6 end of stroke switch shut-down 1 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435551	ZE 4: operation winch 6 end of stroke switch shut-down 2 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435552	ZE 4: operation winch 6 end of stroke switch shut-down 3 operational shut down control winch in opposite direction until end stroke switch no longer active - shut-down can be shunted (danger)			B	
435557	ZE 4: operation winch 6 Shut-down press. SA-frame overtop guard cylinder < minimal press. Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders SA-frame			B	
435562	ZE 4: operation winch 6 Emerg. shut-off winch-winch rotational sensor interrupts brake control Emergency shut-down - raising / lowering winch only possible in emergency operation Check why "Winch wound out" shut-off did not function, lifting/lowering only possible with emergency operation (danger)			B	
435563	ZE 4: operation winch 6 Crane engine in overspeed Operation conditional switch off, may not be shunted Check engine RPM shut off cannot be bypassed			B	
435564	ZE 4: operation winch 6 Release pressure of brake fallen below Operation conditional switch off, may not be shunted Check release pressure of brake - shut off not bridgeable			B	
435566	ZE 4: operation winch 6 Shut off pressure sensor "RFP main boom" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	
435567	ZE 4: operation winch 6 Shut off pressure sensor "RFP Derrick" defective / missing Operation conditional switch off, may not be shunted release master switch - error elimination see corresponding system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
435581	ZE 4: operation winch 6 end of stroke switch 1 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
435582	ZE 4: operation winch 6 end of stroke switch 2 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
435583	ZE 4: operation winch 6 end of stroke switch 3 shut-down defective operational shut down Error remedying see corresponding system error - shut-down may be shunted (danger)			B	
43559A	ZE 4: operation winch 6 Shut off Pressure relapse cyl. Main boom less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders main boom			B	
43559B	ZE 4: operation winch 6 Shut off Pressure relapse cyl. Derrick less than min. pressure Operation conditional switch off, may not be shunted Check pressure supply Relapse cylinders Derrick			B	
436942	ZE 4: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
436943	ZE 4: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
436948	ZE 4: Operation crane control Selection bypass hoist top - not possible - try again operational shut down Bypass is only permitted on limited basis and time controlled, possibly bypass can be reactivated			B	2
436949	ZE 4: Operation crane control Selection bypass LMB - not possible - try again operational shut down Bypass is only permitted on limited basis and time controlled, possibly bypass can be reactivated			B	2
43694A	ZE 4: Operation crane control Selection bypass LMB - not permissible for this utilization			B	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
43694E	ZE 4: Operation crane control Caution special function for reductions/ bypasses activated Special function as desired issue of op. error Change data word DWx.xxx or turn ignition off / on			B	2
43694F	ZE 4: Operation crane control Caution, Activation EN13000 not possible EN 13000 is deactivated or cannot be activated, since option 85% chart is activated Activcation of bypass acc. EN 13000 here not possible.			B	2
436955	ZE 4: Operation crane control Selection bypass LMB not permissible for this F1-utilization			B	2
43695B	ZE 4: Operation crane control Selection bypass hoist top not possible - no shut off			B	2
43695C	ZE 4: Operation crane control Selection this bypass not possible - sensor defect			B	2
43695F	ZE 4: Operation crane control Selection bypass not possible - crane engine still running			B	2
436960	ZE 4: Operation crane control Selection bypass not possible - seat contact not actuated			B	2
436962	ZE 4: Operation crane control Selection bypass not possible - zero pos. force required			B	2
484050	E/A-Modul 4: LSB-B participant address 0 reports an incorrect sensor type  Check Bus configuration in LSB test system, remove faulty / incorrect users from Bus	X643:4/6		E	1
487252	E/A-Modul 4: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X643:4/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
487255	E/A-Modul 4: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X643:4/6		E	2
487256	E/A-Modul 4: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X643:4/6		E	2
487257	E/A-Modul 4: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X643:4/6		E	1
487258	E/A-Modul 4: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X643:4/6		E	0
487259	E/A-Modul 4: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X643:4/6		E	0
487260	E/A-Modul 4: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X643:4/6		E	2
487261	E/A-Modul 4: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X643:4/6		E	2
487262	E/A-Modul 4: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X643:4/6		E	2
496452	E/A-Modul 4: operation supports unauthorised activation of left support control unit key left support blocked release activated key after having authorized function through hand- key			B	
500001	ZE 5: system error OS-HC11 (observe parameters) initialising error processor-register erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500002	ZE 5: system error OS-HC11 (observe parameters) initialising error test total in EPROM/FLASH erroneous no crane operation possible check program memory card or ZE			E	2
500006	ZE 5: system error OS-HC11 (observe parameters) initialising error RAM erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
500007	ZE 5: system error OS-HC11 (observe parameters) UART erroneous no crane operation possible if error re-occurs, then ZE should be replaced			E	2
500010	ZE 5: system error OS-HC11 (observe parameters) system routine inaccessible entry in error memory, all crane movements will be stopped 0.0			E	2
500011	ZE 5: system error OS-HC11 (observe parameters) ZE-watchdog expired entry in error memory, all crane movements will be stopped check ZE			E	2
500012	ZE 5: system error OS-HC11 (observe parameters) type-identification in EPROM erroneous entry in error memory, no crane operation possible check program memory card			E	2
500013	ZE 5: system error OS-HC11 (observe parameters) Test sum in FLASH erroneous entry in error memory, all crane movements will be stopped check program memory card			E	2
500014	ZE 5: system error OS-HC11 (observe parameters) program already running entry in error memory, all crane movements will be stopped 0.0			E	2
500015	ZE 5: system error OS-HC11 (observe parameters) program not available entry in error memory, all crane movements will be stopped 0.0			E	2
500016	ZE 5: system error OS-HC11 (observe parameters) system-, driver-watchdog expired entry in error memory, all crane movements will be stopped 0.0			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500017	ZE 5: system error OS-HC11 (observe parameters) total of CPU-time distribution too great entry in error memory, all crane movements will be stopped 0.0			E	2
500018	ZE 5: system error OS-HC11 (observe parameters) arithmetic overflow (16 Bit) entry in error memory, all crane movements will be stopped 0.0			E	2
500019	ZE 5: system error OS-HC11 (observe parameters) division through zero (16 Bit) entry in error memory, all crane movements will be stopped 0.0			E	2
500020	ZE 5: system error OS-HC11 (observe parameters) task-watchdog expired entry in error memory, all crane movements will be stopped 0.0			E	2
500021	ZE 5: system error OS-HC11 (observe parameters) illegal opcode trap entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500022	ZE 5: system error OS-HC11 (observe parameters) task inactive entry in error memory, all crane movements will be stopped 0.0			E	2
500023	ZE 5: system error OS-HC11 (observe parameters) program incapable of running (type identification) entry in error memory, all crane movements will be stopped 0.0			E	2
500024	ZE 5: system error OS-HC11 (observe parameters) task already used entry in error memory, all crane movements will be stopped 0.0			E	2
500025	ZE 5: system error OS-HC11 (observe parameters) realtime-module already used entry in error memory, all crane movements will be stopped 0.0			E	2
500026	ZE 5: system error OS-HC11 (observe parameters) regulator-module already used entry in error memory, all crane movements will be stopped 0.0			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500030	ZE 5: system error OS-HC11 (observe parameters) unacceptable bank address entry in error memory, all crane movements will be stopped 0.0			E	2
500041	ZE 5: system error OS-HC11 (observe parameters) arithmetic error entry in error memory, all crane movements will be stopped 0.0			E	2
500044	ZE 5: system error OS-HC11 (observe parameters) output parameter without effect, from inactive output entry in error memory, all crane movements will be stopped 0.0			E	2
500045	ZE 5: system error OS-HC11 (observe parameters) entry parameter undefined, from inactive input entry in error memory, all crane movements will be stopped 0.0			E	2
500046	ZE 5: system error OS-HC11 (observe parameters) impermissible regulator parameter entry in error memory, all crane movements will be stopped 0.0			E	2
500047	ZE 5: system error OS-HC11 (observe parameters) realtime-control block not available entry in error memory, all crane movements will be stopped 0.0			E	2
500048	ZE 5: system error OS-HC11 (observe parameters) realtime-control block inactive entry in error memory, all crane movements will be stopped 0.0			E	2
500049	ZE 5: system error OS-HC11 (observe parameters) urgent modul, ZE not available entry in error memory, no crane operation possible check ZE			E	2
500050	ZE 5: system error OS-HC11 (observe parameters) file not available entry in error memory, all crane movements will be stopped 0.0			E	2
500051	ZE 5: system error OS-HC11 (observe parameters) file already opened entry in error memory, all crane movements will be stopped 0.0			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500052	ZE 5: system error OS-HC11 (observe parameters) file not open on close entry in error memory, all crane movements will be stopped 0.0			E	2
500053	ZE 5: system error OS-HC11 (observe parameters) system mask not available entry in error memory, all crane movements will be stopped 0.0			E	2
500054	ZE 5: system error OS-HC11 (observe parameters) system text not available entry in error memory, all crane movements will be stopped 0.0			E	2
500055	ZE 5: system error OS-HC11 (observe parameters) symbol not available entry in error memory, all crane movements will be stopped 0.0			E	2
500056	ZE 5: system error OS-HC11 (observe parameters) invalid mark in symbol entry in error memory, all crane movements will be stopped 0.0			E	2
500057	ZE 5: system error OS-HC11 (observe parameters) default load chart missing entry in error memory, all crane movements will be stopped 0.0			E	2
500058	ZE 5: system error OS-HC11 (observe parameters) amplifier erroneous or return power feed entry in error memory, all crane movements will be stopped check wiring			E	2
500059	ZE 5: system error OS-HC11 (observe parameters) subroutine not reentrant entry in error memory, all crane movements will be stopped 0.0			E	2
500060	ZE 5: system error OS-HC11 (observe parameters) transmission error SCI entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
500061	ZE 5: system error OS-HC11 (observe parameters) SCI-BREAK entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500062	ZE 5: system error OS-HC11 (observe parameters) SCI not connected entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
500063	ZE 5: system error OS-HC11 (observe parameters) monitor error in operation entry in error memory, all crane movements will be stopped check monitor ZE and connection cable			E	2
500065	ZE 5: system error OS-HC11 (observe parameters) impermissible bus address entry in error memory, all crane movements will be stopped 0.0			E	2
500066	ZE 5: system error OS-HC11 (observe parameters) ADC working outside the permissible tolerance entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500067	ZE 5: system error OS-HC11 (observe parameters) arithmetic processor not available entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500068	ZE 5: system error OS-HC11 (observe parameters) impermissible interrupt entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500070	ZE 5: system error OS-HC11 (observe parameters) various structure versions entry in error memory, no crane operation possible 0.0			E	2
500071	ZE 5: system error OS-HC11 (observe parameters) Structure file missing or faulty entry in error memory, no crane operation possible 0.0			E	2
500072	ZE 5: system error OS-HC11 (observe parameters) structure entry senseless entry in error memory, no crane operation possible 0.0			E	2
500073	ZE 5: system error OS-HC11 (observe parameters) interpreter error entry in error memory, all crane movements will be stopped 0.0			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500074	ZE 5: system error OS-HC11 (observe parameters) transformation ASCII to BIN erroneous entry in error memory, all crane movements will be stopped 0.0			E	2
500075	ZE 5: system error OS-HC11 (observe parameters) SPI-error entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500076	ZE 5: system error OS-HC11 (observe parameters) incorrectly inserted power unit entry in error memory, all crane movements will be stopped check memory card in power supply unit			E	2
500077	ZE 5: system error OS-HC11 (observe parameters) BAF-call-up erroneous entry in error memory, all crane movements will be stopped 0.0			E	2
500078	ZE 5: system error OS-HC11 (observe parameters) impermissible parameter entry in error memory, all crane movements will be stopped 0.0			E	2
500079	ZE 5: system error OS-HC11 (observe parameters) no right of access entry in error memory, all crane movements will be stopped 0.0			E	2
500080	ZE 5: system error OS-HC11 (observe parameters) Fatal internal error entry in error memory, all crane movements will be stopped 0.0			E	2
500081	ZE 5: system error OS-HC11 (observe parameters) stack overflow entry in error memory, all crane movements will be stopped 0.0			E	2
500082	ZE 5: system error OS-HC11 (observe parameters) hardware-watchdog erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
500094	ZE 5: system error OS-HC11 (observe parameters) transmission error parallel bus entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
500095	ZE 5: system error OS-HC11 (observe parameters) DMA-error entry in error memory, all crane movements will be stopped check ZE, bus circuit board, power supply unit			E	2
500099	ZE 5: system error OS-HC11 (observe parameters) DSP0 erroneous entry in error memory, all crane movements will be stopped if error re-occurs, then ZE should be replaced			E	2
502001	ZE 5: system error OS-TMS initialising error processor-register erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
502002	ZE 5: system error OS-TMS initialising error test total in EPROM/FLASH erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
502006	ZE 5: system error OS-TMS initialising error RAM erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
502007	ZE 5: system error OS-TMS UART erroneous entry of error in error memory, all crane movements will be stopped replace ZE			E	2
502020	ZE 5: system error OS-TMS task-watchdog expired entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
502021	ZE 5: system error OS-TMS illegal opcode trap entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
502082	ZE 5: system error OS-TMS hardware-watchdog erroneous entry of error in error memory, all crane movements will be stopped elimination only possible through after-sales service			E	2
510012	ZE 5: output 0 short circuit to ground	X75:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510013	ZE 5: output 0 open signal circuits	X75:16		E	1
510014	ZE 5: output 0 short circuit to supply voltage	X75:16		E	1
510054	ZE 5: output 0 short circuit to supply voltage	X75:16		E	1
510058	ZE 5: output 0 positive switching transistor: disruption	X75:16		E	1
510060	ZE 5: output 0 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:16		E	1
510062	ZE 5: output 0 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:16		E	1
510063	ZE 5: output 0 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:16		E	1
510070	ZE 5: output 0 measuring system defect no crane operation possible entry in error list	X75:16		E	1
510071	ZE 5: output 0 short circuit to ground or transistor defect	X75:16		E	1
510072	ZE 5: output 0 outside source feeding	X75:16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510073	ZE 5: output 0 open circuit or short circuit to supply voltage/ground	X75:16		E	1
510112	ZE 5: output 1 short circuit to ground	X75:17		E	1
510113	ZE 5: output 1 open signal circuits	X75:17		E	1
510114	ZE 5: output 1 short circuit to supply voltage	X75:17		E	1
510154	ZE 5: output 1 short circuit to supply voltage	X75:17		E	1
510158	ZE 5: output 1 positive switching transistor: disruption	X75:17		E	1
510160	ZE 5: output 1 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:17		E	1
510162	ZE 5: output 1 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:17		E	1
510163	ZE 5: output 1 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:17		E	1
510170	ZE 5: output 1 measuring system defect no crane operation possible entry in error list	X75:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510171	ZE 5: output 1 short circuit to ground or transistor defect	X75:17		E	1
510172	ZE 5: output 1 outside source feeding	X75:17		E	1
510173	ZE 5: output 1 open circuit or short circuit to supply voltage/ground	X75:17		E	1
510212	ZE 5: output 2 short circuit to ground	X75:18		E	1
510213	ZE 5: output 2 open signal circuits	X75:18		E	1
510214	ZE 5: output 2 short circuit to supply voltage	X75:18		E	1
510254	ZE 5: output 2 short circuit to supply voltage	X75:18		E	1
510258	ZE 5: output 2 positive switching transistor: disruption	X75:18		E	1
510270	ZE 5: output 2 measuring system defect no crane operation possible entry in error list	X75:18		E	1
510271	ZE 5: output 2 short circuit to ground or transistor defect	X75:18		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510272	ZE 5: output 2 outside source feeding	X75:18		E	1
510273	ZE 5: output 2 open circuit or short circuit to supply voltage/ground	X75:18		E	1
510312	ZE 5: output 3 short circuit to ground	X75:19		E	1
510313	ZE 5: output 3 open signal circuits	X75:19		E	1
510314	ZE 5: output 3 short circuit to supply voltage	X75:19		E	1
510354	ZE 5: output 3 short circuit to supply voltage	X75:19		E	1
510358	ZE 5: output 3 positive switching transistor: disruption	X75:19		E	1
510370	ZE 5: output 3 measuring system defect no crane operation possible entry in error list	X75:19		E	1
510371	ZE 5: output 3 short circuit to ground or transistor defect	X75:19		E	1
510372	ZE 5: output 3 outside source feeding	X75:19		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510373	ZE 5: output 3 open circuit or short circuit to supply voltage/ground	X75:19		E	1
510412	ZE 5: output 4 short circuit to ground	X75:20		E	1
510413	ZE 5: output 4 open signal circuits	X75:20		E	1
510414	ZE 5: output 4 short circuit to supply voltage	X75:20		E	1
510454	ZE 5: output 4 short circuit to supply voltage	X75:20		E	1
510458	ZE 5: output 4 positive switching transistor: disruption	X75:20		E	1
510460	ZE 5: output 4 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:20		E	1
510462	ZE 5: output 4 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:20		E	1
510463	ZE 5: output 4 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:20		E	1
510470	ZE 5: output 4 measuring system defect no crane operation possible entry in error list	X75:20		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510471	ZE 5: output 4 short circuit to ground or transistor defect	X75:20		E	1
510472	ZE 5: output 4 outside source feeding	X75:20		E	1
510473	ZE 5: output 4 open circuit or short circuit to supply voltage/ground	X75:20		E	1
510512	ZE 5: output 5 short circuit to ground	X75:21		E	1
510513	ZE 5: output 5 open signal circuits	X75:21		E	1
510514	ZE 5: output 5 short circuit to supply voltage	X75:21		E	1
510554	ZE 5: output 5 short circuit to supply voltage	X75:21		E	1
510558	ZE 5: output 5 positive switching transistor: disruption	X75:21		E	1
510560	ZE 5: output 5 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:21		E	1
510562	ZE 5: output 5 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:21		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510563	ZE 5: output 5 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:21		E	1
510570	ZE 5: output 5 measuring system defect no crane operation possible entry in error list	X75:21		E	1
510571	ZE 5: output 5 short circuit to ground or transistor defect	X75:21		E	1
510572	ZE 5: output 5 outside source feeding	X75:21		E	1
510573	ZE 5: output 5 open circuit or short circuit to supply voltage/ground	X75:21		E	1
510612	ZE 5: output 6 short circuit to ground	X75:22		E	1
510613	ZE 5: output 6 open signal circuits	X75:22		E	1
510614	ZE 5: output 6 short circuit to supply voltage	X75:22		E	1
510654	ZE 5: output 6 short circuit to supply voltage	X75:22		E	1
510658	ZE 5: output 6 positive switching transistor: disruption	X75:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510660	ZE 5: output 6 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:22		E	1
510662	ZE 5: output 6 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:22		E	1
510663	ZE 5: output 6 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:22		E	1
510670	ZE 5: output 6 measuring system defect no crane operation possible entry in error list	X75:22		E	1
510671	ZE 5: output 6 short circuit to ground or transistor defect	X75:22		E	1
510672	ZE 5: output 6 outside source feeding	X75:22		E	1
510673	ZE 5: output 6 open circuit or short circuit to supply voltage/ground	X75:22		E	1
510712	ZE 5: output 7 short circuit to ground	X75:23		E	1
510713	ZE 5: output 7 open signal circuits	X75:23		E	1
510714	ZE 5: output 7 short circuit to supply voltage	X75:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
510754	ZE 5: output 7 short circuit to supply voltage	X75:23		E	1
510758	ZE 5: output 7 positive switching transistor: disruption	X75:23		E	1
510760	ZE 5: output 7 safety chain error, diode defect or safety contact sticking report of error, otherwise no reaction checking of safety contact and diode	X75:23		E	1
510762	ZE 5: output 7 Error safety chain, contact "ZE OK" sticking report of error, otherwise no reaction Check of ZE OK relay / contact	X75:23		E	1
510763	ZE 5: output 7 Error safety chain, output error report of error, otherwise no reaction Check of output/ ZE/ switching	X75:23		E	1
510770	ZE 5: output 7 measuring system defect no crane operation possible entry in error list	X75:23		E	1
510771	ZE 5: output 7 short circuit to ground or transistor defect	X75:23		E	1
510772	ZE 5: output 7 outside source feeding	X75:23		E	1
510773	ZE 5: output 7 open circuit or short circuit to supply voltage/ground	X75:23		E	1
514959	ZE 5: all output supply voltage missing	X75		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
515059	ZE 5: output group 0 supply voltage missing	X75:12		E	1
515159	ZE 5: output group 1 supply voltage missing	X75:24		E	1
515259	ZE 5: output group 2 supply voltage missing	X75:25		E	1
515359	ZE 5: output group 3 supply voltage missing	X75:13		E	1
520004	ZE 5: LSB participant address 0 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
520005	ZE 5: LSB participant address 0 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
520018	ZE 5: LSB participant address 0 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520050	ZE 5: LSB participant address 0 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
520051	ZE 5: LSB participant address 0 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
520053	ZE 5: LSB participant address 0 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520054	ZE 5: LSB participant address 0 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
520064	ZE 5: LSB participant address 0 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
520065	ZE 5: LSB participant address 0 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520066	ZE 5: LSB participant address 0 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520067	ZE 5: LSB participant address 0 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
520104	ZE 5: LSB participant address 1 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
520105	ZE 5: LSB participant address 1 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
520118	ZE 5: LSB participant address 1 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520150	ZE 5: LSB participant address 1 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
520151	ZE 5: LSB participant address 1 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520153	ZE 5: LSB participant address 1 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
520154	ZE 5: LSB participant address 1 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
520164	ZE 5: LSB participant address 1 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
520165	ZE 5: LSB participant address 1 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520166	ZE 5: LSB participant address 1 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520167	ZE 5: LSB participant address 1 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
520204	ZE 5: LSB participant address 2 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
520205	ZE 5: LSB participant address 2 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
520218	ZE 5: LSB participant address 2 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520250	ZE 5: LSB participant address 2 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520251	ZE 5: LSB participant address 2 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
520253	ZE 5: LSB participant address 2 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
520254	ZE 5: LSB participant address 2 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
520264	ZE 5: LSB participant address 2 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
520265	ZE 5: LSB participant address 2 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520266	ZE 5: LSB participant address 2 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520267	ZE 5: LSB participant address 2 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
520804	ZE 5: 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.	X635E:z14/z16		E	1
520805	ZE 5: 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	X635E:z14/z16		E	1
520818	ZE 5: 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	X635E:z14/z16		E	0



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520850	ZE 5: 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	X635E:z14/z16		E	2
520851	ZE 5: 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	X635E:z14/z16		E	2
520853	ZE 5: 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	X635E:z14/z16		E	1
520854	ZE 5: 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	X635E:z14/z16		E	2
520864	ZE 5: 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	X635E:z14/z16		E	1
520865	ZE 5: 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	X635E:z14/z16		E	2
520866	ZE 5: 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	X635E:z14/z16		E	2
520867	ZE 5: 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	X635E:z14/z16		E	1
520904	ZE 5: 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.	X635E:z14/z16		E	1
520905	ZE 5: LSB participant address 9 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
520918	ZE 5: LSB participant address 9 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
520950	ZE 5: LSB participant address 9 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
520951	ZE 5: LSB participant address 9 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
520953	ZE 5: LSB participant address 9 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
520954	ZE 5: LSB participant address 9 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
520964	ZE 5: LSB participant address 9 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
520965	ZE 5: LSB participant address 9 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
520966	ZE 5: LSB participant address 9 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
520967	ZE 5: LSB participant address 9 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521004	ZE 5: 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.	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521005	ZE 5: 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	X635E:z14/z16		E	1
521018	ZE 5: 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	X635E:z14/z16		E	0
521050	ZE 5: 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	X635E:z14/z16		E	2
521051	ZE 5: 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	X635E:z14/z16		E	2
521053	ZE 5: 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	X635E:z14/z16		E	1
521054	ZE 5: 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	X635E:z14/z16		E	2
521064	ZE 5: 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	X635E:z14/z16		E	1
521065	ZE 5: 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	X635E:z14/z16		E	2
521066	ZE 5: 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	X635E:z14/z16		E	2
521067	ZE 5: 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	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521104	ZE 5: 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.	X635E:z14/z16		E	1
521105	ZE 5: 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	X635E:z14/z16		E	1
521118	ZE 5: 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	X635E:z14/z16		E	0
521150	ZE 5: 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	X635E:z14/z16		E	2
521151	ZE 5: 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	X635E:z14/z16		E	2
521153	ZE 5: 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	X635E:z14/z16		E	1
521154	ZE 5: 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	X635E:z14/z16		E	2
521164	ZE 5: 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	X635E:z14/z16		E	1
521165	ZE 5: 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	X635E:z14/z16		E	2
521166	ZE 5: 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	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521167	ZE 5: 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	X635E:z14/z16		E	1
521204	ZE 5: 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.	X635E:z14/z16		E	1
521205	ZE 5: 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	X635E:z14/z16		E	1
521218	ZE 5: 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	X635E:z14/z16		E	0
521250	ZE 5: 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	X635E:z14/z16		E	2
521251	ZE 5: 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	X635E:z14/z16		E	2
521253	ZE 5: 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	X635E:z14/z16		E	1
521254	ZE 5: 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	X635E:z14/z16		E	2
521264	ZE 5: 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	X635E:z14/z16		E	1
521265	ZE 5: 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	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521266	ZE 5: 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	X635E:z14/z16		E	2
521267	ZE 5: 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	X635E:z14/z16		E	1
521304	ZE 5: 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.	X635E:z14/z16		E	1
521305	ZE 5: 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	X635E:z14/z16		E	1
521318	ZE 5: 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	X635E:z14/z16		E	0
521350	ZE 5: 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	X635E:z14/z16		E	2
521351	ZE 5: 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	X635E:z14/z16		E	2
521353	ZE 5: 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	X635E:z14/z16		E	1
521354	ZE 5: 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	X635E:z14/z16		E	2
521364	ZE 5: 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	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521365	ZE 5: 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	X635E:z14/z16		E	2
521366	ZE 5: 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	X635E:z14/z16		E	2
521367	ZE 5: 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	X635E:z14/z16		E	1
521404	ZE 5: 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.	X635E:z14/z16		E	1
521405	ZE 5: LSB participant address 14 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521418	ZE 5: LSB participant address 14 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521450	ZE 5: LSB participant address 14 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521451	ZE 5: LSB participant address 14 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521453	ZE 5: LSB participant address 14 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521454	ZE 5: LSB participant address 14 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521464	ZE 5: LSB participant address 14 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
521465	ZE 5: LSB participant address 14 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521466	ZE 5: LSB participant address 14 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521467	ZE 5: LSB participant address 14 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521504	ZE 5: LSB participant address 15 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
521505	ZE 5: LSB participant address 15 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521518	ZE 5: LSB participant address 15 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521550	ZE 5: LSB participant address 15 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521551	ZE 5: LSB participant address 15 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521553	ZE 5: LSB participant address 15 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521554	ZE 5: LSB participant address 15 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521564	ZE 5: LSB participant address 15 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
521565	ZE 5: LSB participant address 15 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521566	ZE 5: LSB participant address 15 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521567	ZE 5: LSB participant address 15 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521604	ZE 5: LSB participant address 16 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
521605	ZE 5: LSB participant address 16 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521618	ZE 5: LSB participant address 16 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521650	ZE 5: LSB participant address 16 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521651	ZE 5: LSB participant address 16 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521653	ZE 5: LSB participant address 16 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521654	ZE 5: LSB participant address 16 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521664	ZE 5: LSB participant address 16 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
521665	ZE 5: LSB participant address 16 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521666	ZE 5: LSB participant address 16 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521667	ZE 5: LSB participant address 16 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521704	ZE 5: 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.	X635E:z14/z16		E	1
521705	ZE 5: LSB participant address 17 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521718	ZE 5: LSB participant address 17 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521750	ZE 5: LSB participant address 17 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521751	ZE 5: LSB participant address 17 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521753	ZE 5: LSB participant address 17 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521754	ZE 5: LSB participant address 17 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521764	ZE 5: LSB participant address 17 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
521765	ZE 5: LSB participant address 17 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521766	ZE 5: LSB participant address 17 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521767	ZE 5: LSB participant address 17 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521804	ZE 5: LSB participant address 18 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
521805	ZE 5: LSB participant address 18 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
521818	ZE 5: LSB participant address 18 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521850	ZE 5: LSB participant address 18 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521851	ZE 5: LSB participant address 18 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521853	ZE 5: LSB participant address 18 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521854	ZE 5: LSB participant address 18 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521864	ZE 5: LSB participant address 18 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
521865	ZE 5: LSB participant address 18 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521866	ZE 5: LSB participant address 18 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521867	ZE 5: LSB participant address 18 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
521904	ZE 5: LSB participant address 19 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
521905	ZE 5: LSB participant address 19 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
521918	ZE 5: LSB participant address 19 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
521950	ZE 5: LSB participant address 19 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
521951	ZE 5: LSB participant address 19 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
521953	ZE 5: LSB participant address 19 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
521954	ZE 5: LSB participant address 19 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
521964	ZE 5: LSB participant address 19 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
521965	ZE 5: LSB participant address 19 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
521966	ZE 5: LSB participant address 19 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
521967	ZE 5: LSB participant address 19 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522004	ZE 5: LSB participant address 20 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522005	ZE 5: LSB participant address 20 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522018	ZE 5: LSB participant address 20 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522050	ZE 5: LSB participant address 20 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522051	ZE 5: LSB participant address 20 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522053	ZE 5: LSB participant address 20 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522054	ZE 5: LSB participant address 20 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522064	ZE 5: LSB participant address 20 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
522065	ZE 5: LSB participant address 20 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522066	ZE 5: LSB participant address 20 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522067	ZE 5: LSB participant address 20 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522104	ZE 5: 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.	X635E:z14/z16		E	1
522105	ZE 5: LSB participant address 21 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522118	ZE 5: LSB participant address 21 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522150	ZE 5: LSB participant address 21 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522151	ZE 5: LSB participant address 21 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522153	ZE 5: LSB participant address 21 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522154	ZE 5: LSB participant address 21 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522164	ZE 5: LSB participant address 21 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
522165	ZE 5: LSB participant address 21 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522166	ZE 5: LSB participant address 21 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522167	ZE 5: LSB participant address 21 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522204	ZE 5: 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.	X635E:z14/z16		E	1
522205	ZE 5: 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	X635E:z14/z16		E	1
522218	ZE 5: 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	X635E:z14/z16		E	0
522250	ZE 5: 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	X635E:z14/z16		E	2
522251	ZE 5: 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	X635E:z14/z16		E	2
522253	ZE 5: 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	X635E:z14/z16		E	1
522254	ZE 5: 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	X635E:z14/z16		E	2
522264	ZE 5: 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	X635E:z14/z16		E	1
522265	ZE 5: 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	X635E:z14/z16		E	2



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522266	ZE 5: 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	X635E:z14/z16		E	2
522267	ZE 5: 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	X635E:z14/z16		E	1
522304	ZE 5: 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.	X635E:z14/z16		E	1
522305	ZE 5: 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	X635E:z14/z16		E	1
522318	ZE 5: 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	X635E:z14/z16		E	0
522350	ZE 5: 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	X635E:z14/z16		E	2
522351	ZE 5: 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	X635E:z14/z16		E	2
522353	ZE 5: 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	X635E:z14/z16		E	1
522354	ZE 5: 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	X635E:z14/z16		E	2
522364	ZE 5: 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	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522365	ZE 5: 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	X635E:z14/z16		E	2
522366	ZE 5: 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	X635E:z14/z16		E	2
522367	ZE 5: 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	X635E:z14/z16		E	1
522504	ZE 5: 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.	X635E:z14/z16		E	1
522505	ZE 5: LSB participant address 25 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522518	ZE 5: LSB participant address 25 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522550	ZE 5: LSB participant address 25 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522551	ZE 5: LSB participant address 25 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522553	ZE 5: LSB participant address 25 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522554	ZE 5: LSB participant address 25 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522564	ZE 5: LSB participant address 25 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
522565	ZE 5: LSB participant address 25 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522566	ZE 5: LSB participant address 25 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522567	ZE 5: LSB participant address 25 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522604	ZE 5: LSB participant address 26 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
522605	ZE 5: LSB participant address 26 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522618	ZE 5: LSB participant address 26 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522650	ZE 5: LSB participant address 26 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522651	ZE 5: LSB participant address 26 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522653	ZE 5: LSB participant address 26 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522654	ZE 5: LSB participant address 26 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522664	ZE 5: LSB participant address 26 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
522665	ZE 5: LSB participant address 26 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522666	ZE 5: LSB participant address 26 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522667	ZE 5: LSB participant address 26 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522704	ZE 5: LSB participant address 27 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
522705	ZE 5: LSB participant address 27 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522718	ZE 5: LSB participant address 27 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
522750	ZE 5: LSB participant address 27 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522751	ZE 5: LSB participant address 27 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522753	ZE 5: LSB participant address 27 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522754	ZE 5: LSB participant address 27 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522764	ZE 5: LSB participant address 27 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
522765	ZE 5: LSB participant address 27 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522766	ZE 5: LSB participant address 27 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522767	ZE 5: LSB participant address 27 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
522804	ZE 5: 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.	X635E:z14/z16		E	1
522805	ZE 5: 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	X635E:z14/z16		E	1
522818	ZE 5: 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	X635E:z14/z16		E	0
522850	ZE 5: 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	X635E:z14/z16		E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522851	ZE 5: 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	X635E:z14/z16		E	2
522853	ZE 5: 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	X635E:z14/z16		E	1
522854	ZE 5: 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	X635E:z14/z16		E	2
522864	ZE 5: 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	X635E:z14/z16		E	1
522865	ZE 5: 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	X635E:z14/z16		E	2
522866	ZE 5: 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	X635E:z14/z16		E	2
522867	ZE 5: 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	X635E:z14/z16		E	1
522904	ZE 5: 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.	X635E:z14/z16		E	1
522905	ZE 5: LSB participant address 29 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1
522918	ZE 5: LSB participant address 29 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
522950	ZE 5: LSB participant address 29 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
522951	ZE 5: LSB participant address 29 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
522953	ZE 5: LSB participant address 29 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
522954	ZE 5: LSB participant address 29 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
522964	ZE 5: LSB participant address 29 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
522965	ZE 5: LSB participant address 29 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
522966	ZE 5: LSB participant address 29 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
522967	ZE 5: LSB participant address 29 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
523004	ZE 5: LSB participant address 30 level exceeded report of error, otherwise no reaction Check sensor installation and pre-damping of sensor, clean contamination from sensor, replace sensor if faulty.	X635E:z14/z16		E	1
523005	ZE 5: LSB participant address 30 below minimum level report of error, otherwise no reaction check sensor installation, eliminate clogging or damage to sensor, if defect replace sensor	X635E:z14/z16		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
523018	ZE 5: LSB participant address 30 excess temperature report of error, otherwise no reaction operate sensor in permitted temperature range, check sensor heat supply and carry off	X635E:z14/z16		E	0
523050	ZE 5: LSB participant address 30 reports an incorrect sensor type entry in error memory, otherwise no reaction, the answer will be interpreted according to the set type characteristics check address assignment over test system (LSB-screen), install correct sensor	X635E:z14/z16		E	2
523051	ZE 5: LSB participant address 30 was not configured for the block transfer entry in error memory, otherwise no reaction, no block transfer will be carried out configuration problem, load new Software	X635E:z14/z16		E	2
523053	ZE 5: LSB participant address 30 no longer reports or withdrawn during running period entry in error memory, participant will be deactivated, data buffer to the application will be set to 0 check connection, if connection OK then replace sensor	X635E:z14/z16		E	1
523054	ZE 5: LSB participant address 30 Features other settings (parameters) as pre-entered set values entry in error memory, or no reaction, the sensor data could be incorrect, due to incorrect sensor config check parameter set/real value through test system (LSB-screen), set sensor to default value	X635E:z14/z16		E	2
523064	ZE 5: LSB participant address 30 reports tolerable error in self-test entry in error memory, otherwise no reaction; note only: sensor still functions correctly check sensor, then clean, with regular occurrence replace sensor	X635E:z14/z16		E	1
523065	ZE 5: LSB participant address 30 reports intolerable error in self-test entry in error memory, otherwise no reaction, the error free operation is no longer guaranteed replace sensor immediately	X635E:z14/z16		E	2
523066	ZE 5: LSB participant address 30 with software version, that is no longer compatible entry in error memory, otherwise no reaction, it will be tried as far as possible to work with the sensor replace sensor through new part	X635E:z14/z16		E	2
523067	ZE 5: LSB participant address 30 supports no download function entry in error memory, otherwise no reaction, no download can be carried out no download to be carried out	X635E:z14/z16		E	1
523252	ZE 5: Control data transfer LSB has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X635E:z14/z16		E	0



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
523255	ZE 5: Control data transfer LSB Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635E:z14/z16		E	2
523256	ZE 5: Control data transfer LSB Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X635E:z14/z16		E	2
523257	ZE 5: Control data transfer LSB has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X635E:z14/z16		E	1
523258	ZE 5: Control data transfer LSB recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X635E:z14/z16		E	0
523259	ZE 5: Control data transfer LSB recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X635E:z14/z16		E	0
523260	ZE 5: Control data transfer LSB driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X635E:z14/z16		E	2
523261	ZE 5: Control data transfer LSB driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X635E:z14/z16		E	2
523262	ZE 5: Control data transfer LSB Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X635E:z14/z16		E	2
531F03	ZE 5: Control winch 7 Winch turn sensor, internal non-tolerable continuous error (P0=04H) Operation conditional switch off, may not be shunted in the LSB- sensor view of the test system: take over default values, otherwise replace sensor			E	
531F04	ZE 5: Control winch 7 Winch turn sensor, internal non-tolerable continuous error (P0=08H/40H) Operation conditional switch off, may not be shunted replace sensor through new part			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
531F05	ZE 5: Control winch 7 Winch turn sensor, internal non-tolerable continuous error (P0=10H) Operation conditional switch off, may not be shunted Reload data on external EEPROM, otherwise replace external EEPROM			E	
531F06	ZE 5: Control winch 7 Winch turn sensor, internal non-tolerable continuous error (P0=20H) Operation conditional switch off, may not be shunted Reload data on internal EEPROM, otherwise replace sensor			E	
531F07	ZE 5: Control winch 7 Winch turn sensor, internal, non-tolerable partial error Operation conditional switch off, may not be shunted replace sensor through new part			E	
531F08	ZE 5: Control winch 7 Winch turn sensor, tolerable error(P0=01H), sensor not exact Output of error (resolution of sensor is bad) Replace sensor in the meantime			E	
531F09	ZE 5: Control winch 7 Winch turn sensor, tolerable error(P0=02H), replace external EEPROM Output of error Replace sensor in the meantime			E	
531F10	ZE 5: Control winch 7 Winch turn sensor, tolerable error (P0=04H) button pressed constantly Output of error, adjusting with button does not work Check button, replace sensor in the meantime, if necessary			E	
531F11	ZE 5: Control winch 7 Winch turn sensor, tolerable error (P0=08H) pressure sensor1 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
531F12	ZE 5: Control winch 7 Winch turn sensor, tolerable error(P0=10H) pressure sensor2 not 4-20mA Output of error Check pressure sensor - Analog signal line to winch turn sensor, or replace this pressure sensor			E	
531F13	ZE 5: Control winch 7 Winch turn sensor, tolerable error(P0=20H) Safety relay stuck Output of error, 2. shut off "Winch spooled out " does not work Replace sensor in the meantime			E	
531F14	ZE 5: Control winch 7 Winch turn sensor, tolerable error(P0=40H) Output of error Replace sensor in the meantime			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
531F15	ZE 5: Control winch 7 tolerable error, maximum theoretical load collective reached Output of error Check winch			E	
533100	ZE 5: Control ballasting / counterweight carriage Limit switch "BW bolted" faulty / not present - Shut-down BW active Control op. type with counterweight carriage is switched over to - req.s for operation with BW must be met. Error remedy see corresponding system error.			E	
533101	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and FB inserted Shut-down due to unclear recognition of assembly condition. Check of cabling - short-circuit following earthing or line interruption, checking of inputs.			E	
533102	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW bolted and FB inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533103	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and bolted and FB inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533104	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - B inserted and FB not inserted Shut-down due to unclear recognition of assembly condition. Check of cabling - short-circuit following supply voltage or earthing or line interruption.			E	
533105	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and B inserted Shut-down due to unclear recognition of assembly condition. Check of cabling - short-circuit following supply voltage or earthing or line interruption.			E	
533106	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW bolted and B inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533107	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW inserted and bolted and B inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533108	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - BW bolted FB inserted and B inserted Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
533109	ZE 5: Control ballasting / counterweight carriage Invalid assembly condition - entry combination does not make sense Shut-down due to unclear recognition of assembly condition. Checking of cabling - short-circuit following earthing or line interruption or check position of bolting cylinder BW			E	
533112	ZE 5: Control ballasting / counterweight carriage Safety test counterweight carriage reports error - check control BW Cont. carries on running, however poss. error function as faulty recognised system component during safety test Switch over derr. monitor to count. carriage and read error reports in error diagnosis system of counterweight carriage.			E	
533113	ZE 5: Control ballasting / counterweight carriage Control of axles without func., relevant sensor faulty/not present Control of the axles is switched off, axles remain in the last set condition Reestablish function of the respective sensor - error remedy see corresponding system error.			E	
533114	ZE 5: Control ballasting / counterweight carriage Data trans (LSB ) between crane and counte. carriage interrupted Functions affected by the transmission fault will not be carried out. Error remedy see corresponding system error or operating error.			E	
533115	ZE 5: Control ballasting / counterweight carriage at actuated winch for cable run pressure < minimum pressure spool up Issuance of this error message Check hydraulic or check pressure switch and wiring			E	
533116	ZE 5: Control ballasting / counterweight carriage At actuated winch for cable run pressure < minimum pressure brake Issuance of this error message Check hydraulic or check pressure switch and wiring			E	
533117	ZE 5: Control ballasting / counterweight carriage At non-actuation winch for cable run pressure spool up pressure availa Issuance of this error message Check hydraulic or check pressure switch and wiring			E	
533118	ZE 5: Control ballasting / counterweight carriage At non-actuated winch for cable run brake pressure available Issuance of this error message Check hydraulic or check pressure switch and wiring			E	
533284	ZE 5: Control crawler No travel movement detected with controlled crawler left Output of error Actuate crawler travel gear with at least 1/8 init current and check incremental counter (dir. of rotation/function)			E	
533285	ZE 5: Control crawler No travel movement detected with controlled crawler right Output of error Actuate crawler travel gear with at least 1/8 init current and check incremental counter (dir. of rotation/function)			E	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
533900	ZE 5: crane control signal engine speed defective/missing output of error, rated speed will now be adjusted for the power limitation check engine electronics, with permanent error contact after-sales service			E	1
533901	ZE 5: crane control Signal current engine momentum - Maximum erroneous / missing output of error, rated speed will now be adjusted for the power limitation check engine electronics, with permanent error contact after-sales service			E	1
536102	ZE 5: Operation ballasting / counterweight carriage Shut-down counterweight on ground Operational shut-down, shuntable via raised key switch B/BW - only switch on if B/BW safely raised If possible raise the wheels via lifting the load or reducing the mounted suspended counterweight			B	
536103	ZE 5: Operation ballasting / counterweight carriage Shut-down support counterweight carriage is not retracted Operation conditional shut-down, may not be shunted. Retract support cylinder counterweight carriage completely.			B	
536104	ZE 5: Operation ballasting / counterweight carriage Shut-down counterweight carriage telescoping blocked Operational shut-down, shuntable via raised key switch B/BW - only switch on if B/BW safely raised Press "Tow-travel on" key until the wheels are in the travel direction and the indicator lamp remains lit.			B	
536105	ZE 5: Operation ballasting / counterweight carriage Shut-down keys counterweight "Up" / "Down" actuated simultaneously Operation conditional shut-down, may not be shunted. Release one of the keys or check the switch and the cabling.			B	
536106	ZE 5: Operation ballasting / counterweight carriage Shut-down keys counterweight "In" / "Out" actuated simultaneously Operation conditional shut-down, may not be shunted. Release one of the keys or check the switch and the cabling.			B	
536107	ZE 5: Operation ballasting / counterweight carriage Shut-down keys support BW "Up" / "Down" actuated simultaneously Operation conditional shut-down, may not be shunted. Release one of the keys or check the switch and the cabling.			B	
536108	ZE 5: Operation ballasting / counterweight carriage Counterweight carriage (BW) is inserted but not yet bolted report of error, otherwise no reaction Bolt or unplug counterweight carriage.			B	
536109	ZE 5: Operation ballasting / counterweight carriage BW is bolted but not inserted - dummy plug is inserted Control op. type with counterweight carriage is switched over to - req.s for operation with BW must be met. Unbolt or plug in counterweight carriage.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
536110	ZE 5: Operation ballasting / counterweight carriage No counterweight inserted or dummy plug not inserted report of error, otherwise no reaction Plug in dummy plug.			B	
536111	ZE 5: Operation ballasting / counterweight carriage Counterweight carriage (BW) is bolted but not inserted Control op. type with counterweight carriage is switched over to - req.s for operation with BW must be met. Unbolt or plug in counterweight carriage.			B	
536112	ZE 5: Operation ballasting / counterweight carriage Leveling (B/BW)without function level sensor(B/BW) erroneous/missing Levelling is switched off, switches for cylinder A - Stop and cylinder B - Stop however carry on functioning. Check defective or missing level sensor. See also corresponding system error.			B	
536113	ZE 5: Operation ballasting / counterweight carriage Set B-table does not match the installed entries from B/BW Shut-down due to unclear recognition of assembly condition. Set load chart correctly or mount B/BW in accordance with the table setting.			B	
536114	ZE 5: Operation ballasting / counterweight carriage Suspended counterweight (B) mounted but no B-table set Conversion to control operation type with suspended counterweight - requirements for operation with B must be met. Set load chart correctly or mount B/BW in accordance with the table setting.			B	
536118	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 < F min Operation conditional shut-down, may not be shunted. Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
536119	ZE 5: Operation ballasting / counterweight carriage no or invalid operation mode shut-down Operation conditional switch off, may not be shunted enter correct operation mode or dismantle accessory parts - shut-down cannot be shunted			B	
536120	ZE 5: Operation ballasting / counterweight carriage LMB shut-down operational shut down Remedy cause of "LMB Stop" see error report LMB - shut-down may be shunted via assembly switch (danger).			B	
536121	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 > F max - operation operational shut down Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	
536122	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 > F max - assembly Operation conditional switch off, may not be shunted Lower load or raise derrick ballast if possible or lay on additional derrick counterweight if possible.			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
536124	ZE 5: Operation ballasting / counterweight carriage Shut-down measuring point 1 < F min and count. utilisation > 50% Operation conditional switch off, may not be shunted Lower load or set down derrick counterweight if possible or wind off luffing gear if possible.			B	
536130	ZE 5: Operation ballasting / counterweight carriage Switch-off key ballast "Up" clamping or actuated with start Output of error, crane function is not selected. Release counterweight "Up" key or check key and its cabling for correct functioning			B	
536131	ZE 5: Operation ballasting / counterweight carriage Switch-off key ballast "Down" clamping or actuated with start Output of error, crane function is not selected. Release counterweight "Down" key or check key and its cabling for correct functioning			B	
536132	ZE 5: Operation ballasting / counterweight carriage Switch-off key ballast "On" clamping or actuated with start Output of error, crane function is not selected. Release counterweight "On" key or check key and its cabling for correct functioning			B	
536133	ZE 5: Operation ballasting / counterweight carriage Switch-off key ballast "Off" clamping or actuated with start Output of error, crane function is not selected. Release counterweight "Off" key or Taste check key and its cabling for correct functioning			B	
536134	ZE 5: Operation ballasting / counterweight carriage Switch-off key support "Up" clamping or actuated with start Output of error, crane function is not selected. Release support "Up" key or check key and its cabling for correct functioning			B	
536135	ZE 5: Operation ballasting / counterweight carriage Switch-off key support "Down" clamping or actuated with start Output of error, crane function is not selected. Release support "Down" key or check key and its cabling for correct functioning			B	
536136	ZE 5: Operation ballasting / counterweight carriage Switch-off key BW steering system clamping or actuated with start Output of error, crane function is not selected. Release keys for steering programs and after steering or check key and its cabling for correct functioning			B	
53613F	ZE 5: Operation ballasting / counterweight carriage Wheel drive "On" blocked - rot. speed too high (C-key) Issue of error, function not actuated Set slewing speed (C-Button) acc. to specifications in load charts or operating instructions			B	
536140	ZE 5: Operation ballasting / counterweight carriage Wheel drive "On" blocked - turning or parallel travel not "On" Issue of error, function not actuated Turn switch wheel drive off or pre-selection ballast trailer circular or parallel travel			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
536141	ZE 5: Operation ballasting / counterweight carriage Wheel drive "On" blocked - Ballast trailer lifted off is turned on Issue of error, function not actuated Turn switch wheel drive off or lower ballast onto wheels if possible and turn switch "BT lifted off" off			B	
536144	ZE 5: Operation ballasting / counterweight carriage Shut-off crane engine not running Output of error, crane function is not selected. Should crane function be required, start engine and re-actuate key.			B	
536145	ZE 5: Operation ballasting / counterweight carriage Shut off Ballast "Up / down" due to running winch 4 Operation conditional switch off, may not be shunted Press button Ballast "Up / down" only if winch 4 is not actuated			B	
536146	ZE 5: Operation ballasting / counterweight carriage Shut off Ballast "Up / down" due to actuated brake pump Operation conditional switch off, may not be shunted Press button Ballast "Up / down" only if no brake pump is actuated and crane engine is not in overspeed			B	
536147	ZE 5: Operation ballasting / counterweight carriage Shut off pressure of winch for cable run too low Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536148	ZE 5: Operation ballasting / counterweight carriage Shut off pressure of brake for winch for cable run too low Operation conditional switch off, may not be shunted Check electric and hydraulic control of cable tow winch. Check pressure switch with wiring			B	
536149	ZE 5: Operation ballasting / counterweight carriage Shut off pressure difference ballast cylinder A/B too large operational shut down Press "A-Stop" key or "B-Stop" key to move only one ballast cylinder to equalize forces in side A/B			B	
53614C	ZE 5: Operation ballasting / counterweight carriage Shut off Ballast "in" Block pos. in reached Operation conditional switch off, may not be shunted Release button - further retraction not possible			B	
53614D	ZE 5: Operation ballasting / counterweight carriage Shut off Ballast "out" Block pos. out reached Operation conditional switch off, may not be shunted Release button further extension not possible			B	
53614E	ZE 5: Operation ballasting / counterweight carriage Shut off length sensor ballast cyl. left erroneous/missing Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
536154	ZE 5: Operation ballasting / counterweight carriage Shut-down overtopping guard cylinder main boom in bump stop Operation conditional switch off, may not be shunted Wind off main boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
536155	ZE 5: Operation ballasting / counterweight carriage Shut-down overtopping guard cylinder derrick boom in bump stop Operation conditional switch off, may not be shunted Wind off derrick boom - adjusting winch until overtopping guard cylinder no longer in bump stop			B	
536158	ZE 5: Operation ballasting / counterweight carriage Shut-down guide frame - counterweight bump stop upper Operation conditional switch off, may not be shunted If possible, extend with ballast cylinder, spool up winch 4 or retract support BW move from block position			B	
536159	ZE 5: Operation ballasting / counterweight carriage Shut-down guide frame - counterweight bump stop lower Operation conditional switch off, may not be shunted If possible, retract with ballast cylinder, spool out winch 4 or extend support BW move from block position			B	
536170	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" vo. left faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536171	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" vo. right faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536172	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" hi. left faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536173	ZE 5: Operation ballasting / counterweight carriage Shut-down lim switch "Count. on ground" hi. right faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536174	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Support retracted" vo. faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536175	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Support retracted" hi. faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
536185	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "RFP Main boom" right faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536186	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "RFP Main boom" links faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536187	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Overtop guard cyl D" right faulty/not prese Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536188	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Overtop guard cyl D" left faulty/not presen Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536193	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch right "Lower count. block" faulty/not pre Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536194	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Lower count. block" left faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536195	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Upper count. block" right faulty/not presen Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536196	ZE 5: Operation ballasting / counterweight carriage Shut-down limit switch "Upper count. block" left faulty/not present Operation conditional switch off, may not be shunted Release button - for error remedy see corresp. system error			B	
536942	ZE 5: Operation crane control Emergency op. crane cont. switched on with start test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1
536943	ZE 5: Operation crane control Emergency op. crane control switched on during test-safety chain report of error, otherwise no reaction Switch off emergency operation, restart LICCON, test safety chain will then be carried out			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
587252	E/A-Modul 5: Control data transfer LSB-B has recognised Bus collisions, communication interrupted entry in error memory, driver draws itself back from bus, possible release of reset and re-booting of network with temporary malfunctions error will be eliminated from system itself, otherwise check address assignment of sensor	X653:4/6		E	0
587255	E/A-Modul 5: Control data transfer LSB-B Bus connection faulty/defect, short circuit to supply voltage entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X653:4/6		E	2
587256	E/A-Modul 5: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X653:4/6		E	2
587257	E/A-Modul 5: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X653:4/6		E	1
587258	E/A-Modul 5: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X653:4/6		E	0
587259	E/A-Modul 5: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X653:4/6		E	0
587260	E/A-Modul 5: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X653:4/6		E	2
587261	E/A-Modul 5: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X653:4/6		E	2
587262	E/A-Modul 5: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X653:4/6		E	2
661001	E/A-Modul 6: system error OS-C167 initialising error processor-register erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
661002	E/A-Modul 6: system error OS-C167 initialising error test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661006	E/A-Modul 6: system error OS-C167 initialising error RAM erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661013	E/A-Modul 6: system error OS-C167 test total in EPROM/FLASH erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661016	E/A-Modul 6: system error OS-C167 system-, driver-watchdog expired error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
661068	E/A-Modul 6: system error OS-C167 impermissible interrupt error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
661071	E/A-Modul 6: system error OS-C167 Invalid configuration or Firmware error indication on display re-load Software from ZE			E	2
661080	E/A-Modul 6: system error OS-C167 fatal internal software error error indication on display note error report, ignition ON/OFF, with repeated occurrence --> inform after-sales service			E	2
661082	E/A-Modul 6: system error OS-C167 hardware-watchdog erroneous error indication on display ignition ON/OFF, with repeated occurrence --> replace E/A-Modul			E	2
661088	E/A-Modul 6: system error OS-C167 Configuration does not match software condition error indication on display Reload software from CPU or check consistency			E	1
672052	E/A-Modul 6: input/output DEA0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:17		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672053	E/A-Modul 6: input/output DEA0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:17		E	1
672054	E/A-Modul 6: input/output DEA0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:17		E	1
672055	E/A-Modul 6: input/output DEA0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:17		E	1
672152	E/A-Modul 6: input/output DEA1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:15		E	1
672153	E/A-Modul 6: input/output DEA1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:15		E	1
672154	E/A-Modul 6: input/output DEA1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:15		E	1
672155	E/A-Modul 6: input/output DEA1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:15		E	1
672252	E/A-Modul 6: input/output DEA2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:13		E	1
672253	E/A-Modul 6: input/output DEA2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:13		E	1
672254	E/A-Modul 6: input/output DEA2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:13		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672255	E/A-Modul 6: input/output DEA2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:13		E	1
672352	E/A-Modul 6: input/output DEA3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:11		E	1
672353	E/A-Modul 6: input/output DEA3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:11		E	1
672354	E/A-Modul 6: input/output DEA3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:11		E	1
672355	E/A-Modul 6: input/output DEA3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:11		E	1
672452	E/A-Modul 6: input/output DEA4 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:9		E	1
672453	E/A-Modul 6: input/output DEA4 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:9		E	1
672454	E/A-Modul 6: input/output DEA4 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:9		E	1
672455	E/A-Modul 6: input/output DEA4 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:9		E	1
672552	E/A-Modul 6: input/output DEA5 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:7		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672553	E/A-Modul 6: input/output DEA5 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:7		E	1
672554	E/A-Modul 6: input/output DEA5 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:7		E	1
672555	E/A-Modul 6: input/output DEA5 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:7		E	1
672652	E/A-Modul 6: input/output DEA6 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:5		E	1
672653	E/A-Modul 6: input/output DEA6 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:5		E	1
672654	E/A-Modul 6: input/output DEA6 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:5		E	1
672655	E/A-Modul 6: input/output DEA6 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:5		E	1
672752	E/A-Modul 6: input/output DEA7 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:3		E	1
672753	E/A-Modul 6: input/output DEA7 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:3		E	1
672754	E/A-Modul 6: input/output DEA7 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:3		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
672755	E/A-Modul 6: input/output DEA7 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:3		E	1
673482	E/A-Modul 6: voltage input E4 short circuit to ground, open line, constant current 10 mA incorrect Display LICCON: ?? °C check input signal on the E/A-Modul or sensor	X662:9		E	1
673483	E/A-Modul 6: voltage input E4 short circuit to supply voltage, open line, lack of voltage Display LICCON: ?? °C check input signal on the E/A-Modul or sensor	X662:9		E	1
673782	E/A-Modul 6: voltage input E7 short circuit to ground, open line, constant current 10 mA incorrect Display LICCON: ??? % check input signal on the E/A-Modul or sensor	X662:3		E	1
673783	E/A-Modul 6: voltage input E7 short circuit to supply voltage, open line, lack of voltage Display LICCON: ??? % check input signal on the E/A-Modul or sensor	X662:3		E	1
679052	E/A-Modul 6: output A0 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:18		E	1
679053	E/A-Modul 6: output A0 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:18		E	1
679054	E/A-Modul 6: output A0 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:18		E	1
679055	E/A-Modul 6: output A0 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:18		E	1
679152	E/A-Modul 6: output A1 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:16		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
679153	E/A-Modul 6: output A1 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:16		E	1
679154	E/A-Modul 6: output A1 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:16		E	1
679155	E/A-Modul 6: output A1 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:16		E	1
679250	E/A-Modul 6: bridge output A2 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X663:14		E	1
679251	E/A-Modul 6: bridge output A2 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X663:14		E	1
679252	E/A-Modul 6: bridge output A2 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:14		E	1
679253	E/A-Modul 6: bridge output A2 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:14		E	1
679254	E/A-Modul 6: bridge output A2 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:14		E	1
679255	E/A-Modul 6: bridge output A2 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:14		E	1
679350	E/A-Modul 6: bridge output A3 short circuit to ground, junction not supplied error report on display check output for short, check current supply of load, if necessary replace E/A-Modul	X663:12		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
679351	E/A-Modul 6: bridge output A3 short circuit to supply voltage, excessive temperature error report on display check output for short, check output load (measure load current), if necessary replace E/A-Modul	X663:12		E	1
679352	E/A-Modul 6: bridge output A3 output open, to low load, short circuit to supply voltage error report on display check output for broken wire, check load on output (measure load current), if necessary replace E/A-Modul	X663:12		E	1
679353	E/A-Modul 6: bridge output A3 transistor current supply insufficient or missing error report on display check current supply and fuse E/A-Modul, if necessary replace E/A-Modul	X663:12		E	1
679354	E/A-Modul 6: bridge output A3 short circuit to supply voltage error report on display check output for short, if necessary replace E/A-Modul	X663:12		E	1
679355	E/A-Modul 6: bridge output A3 excessive temperature, short circuit to ground or overload error report on display check output for short, current supply, check fuse of E/A-Modul, if necessary replace E/A-Modul	X663:12		E	1
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

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

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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
687256	E/A-Modul 6: Control data transfer LSB-B Bus connection faulty/defect, no supply/short circuit to earth entry in error memory, driver tries permanently to re-boot bus, bus boots as soon as error is eliminated check bus line, sensor (withdraw) and bus circuit board for shorts, check bus fuse on bus circuit board	X663:4/6		E	2
687257	E/A-Modul 6: Control data transfer LSB-B has recognised network re-set (data transfer starts again) entry in error memory, driver re-starts and runs re-booting of network check bus lines, withdraw sensors successively from bus until malfunction source recognised, replace defective part	X663:4/6		E	1
687258	E/A-Modul 6: Control data transfer LSB-B recognised participant with incorrect baud rate in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated from system itself, check address assignment of sensors	X663:4/6		E	0
687259	E/A-Modul 6: Control data transfer LSB-B recognised communication breakdown in bus entry in error memory, driver re-starts and runs re-booting of network will be eliminated by driver through re-booting of network	X663:4/6		E	0
687260	E/A-Modul 6: Control data transfer LSB-B driver error: no order to carry out entry in error memory, driver runs on normally and waits for bus connection of participant with temporary malfunctions error will be eliminated by system itself, with incorrect configuration install new software	X663:4/6		E	2
687261	E/A-Modul 6: Control data transfer LSB-B driver error: undefined message appears entry in error memory, driver re-starts and runs re-booting of network with temporary malf. error will be eliminated by system itself otherwise new Software necessary for error elimination	X663:4/6		E	2
687262	E/A-Modul 6: Control data transfer LSB-B Driver error: Initialization error entry in error memory, driver re-starts and runs re-booting of network new Software is necessary for error elimination	X663:4/6		E	2
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 bus lines/neutral point, check defective bus participant	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 bus lines/neutral point, check defective bus participant	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 bus lines/neutral point, replace neutral point or E/A-Modul	X665:5/6		E	0

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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 bus lines/neutral point, check defective bus participant	X665:5/6		E	1
689900	E/A-Modul 6: Control data transfer CAN internal error at Register-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X665:5/6		E	2
689901	E/A-Modul 6: Control data transfer CAN internal error at RAM-check Controller internal error, CAN-transmission will be aborted replace E/A-Modul	X665:5/6		E	2
689902	E/A-Modul 6: Control data transfer CAN Configuration error Software internal error, CAN-transmission will be aborted replace E/A-Modul, check Software (test system ZE)	X665:5/6		E	2
689903	E/A-Modul 6: Control data transfer CAN Transfer interrupted after continuous error CAN-Transmission will be aborted check bus lines/neutral point, replace neutral point or 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 bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	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 bus lines/neutral point, unplug individual bus participant and check if error has been eliminated	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

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
692001	E/A-Modul 6: control engine long-term disruption E/A-Modul <-> engine control Check CAN-Bus system, fix error via ignition OFF->ON			E	1
692045	E/A-Modul 6: control engine Signal from sensor air filter underpressure faulty/lacking Check sensor, wiring and air filter			E	1
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
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

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



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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. steering device error no reaction check fuses, check battery terminals, replace control device			E	1
843601	heating, air cond.: Aux. heater Superstr. no start Error message, function of auxiliary heater is problematic check fuel level and fuel filter, bleed fuel system, clean burner or replace			E	1
843602	heating, air cond.: Aux. heater Superstr. repeated glow interruption Error message, function of auxiliary heater is problematic check fuel level and fuel filter, bleed fuel system, clean burner or replace			E	1
843603	heating, air cond.: Aux. heater Superstr. lack of voltage/excess voltage Error message, function of auxiliary heater is problematic check battery, check electrical connections			E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
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. glow probe 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 probe interruption/short circuit 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 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 pin interruption/short circuit 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. water pump interruption/short circuit Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace water pump			E	1
843612	heating, air cond.: Aux. heater Superstr. set value sensor interruption/short circuit Error message, function of auxiliary heater is problematic check cabling for damage, search for break and short, replace set value transmitter			E	1
950111	Motor Superstructure: Critical internal error in engine control unit Customer documentation, Cummins Replace control unit; J1939: spn 629 fmi12; Cummins: 0111	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950112	Motor Superstructure: Motor-control link line interruption Customer documentation, Cummins Check control link, wiring; J1939: spn 635 fmi 7; Cummins: 0112	A750.X1:1		E	1
950113	Motor Superstructure: Motor-control link short circuit after supply voltage Customer documentation, Cummins Check control link, wiring; J1939: spn 635 fmi 3; Cummins: 0113	A750.X1:1		E	1
950115	Motor Superstructure: Magnetic sensor RPM /position both signals missing Customer documentation, Cummins Check sensors, wiring; J1939: spn 190 fmi 2; Cummins: 0115	A750		E	1
950116	Motor Superstructure: Sensor Diesel-pressure short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 156 fmi 3; Cummins: 0116	A750.X1:32		E	1
950117	Motor Superstructure: Sensor Diesel-pressure short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 156 fmi 4; Cummins: 0117	A750.X1:32		E	1
950118	Motor Superstructure: Sensor Diesel pump pressure short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 135 fmi 3; Cummins: 0118	A750.X1:32		E	1
950119	Motor Superstructure: Sensor Diesel pump pressure short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 135 fmi 4; Cummins: 0119	A750.X1:32		E	1
950121	Motor Superstructure: Magnetic sensor RPM/position on signal missing Customer documentation, Cummins Check sensors, wiring; J1939: spn 190 fmi10; Cummins: 0121	A750		E	1
950122	Motor Superstructure: Sensor 1 Temperature intake manifold short circuit after supply voltag Customer documentation, Cummins Check sensor, wiring; J1939: spn 102 fmi 3; Cummins: 0122	A750.X1:23		E	1
950123	Motor Superstructure: Sensor 1 Temperature intake manifold short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 102 fmi 4; Cummins: 0123	A750.X1:23		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950131	Motor Superstructure: Sensor Gas pedal position short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 91 fmi 3; Cummins: 0131	A750.X2:29		E	1
950132	Motor Superstructure: Sensor Gas pedal position short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 91 fmi 4; Cummins: 0132	A750.X2:29		E	1
950133	Motor Superstructure: Sensor 2. Gas pedal position short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 29 fmi 3; Cummins: 0133	A750.X2:30		E	1
950134	Motor Superstructure: Sensor 2. Gas pedal position short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 29 fmi 4; Cummins: 0134	A750.X2:30		E	1
950135	Motor Superstructure: Sensor Engine oil pressure short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 100 fmi 3; Cummins: 0135	A750.X1:24		E	1
950141	Motor Superstructure: Sensor Engine oil pressure short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 100 fmi 4; Cummins: 0141	A750.X1:24		E	1
950143	Motor Superstructure: Warning engine oil pressure too low Customer documentation, Cummins Check oil level,lube oil supply; J1939: spn 100 fmi 1; Cummins: 0143	A750.X1:24		E	1
950144	Motor Superstructure: Sensor Coolant temperature short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 110 fmi 3; Cummins: 0144	A750.X1:22		E	1
950145	Motor Superstructure: Sensor Coolant temperature short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 110 fmi 4; Cummins: 0145	A750.X1:22		E	1
950146	Motor Superstructure: Warning Coolant temperature too high Customer documentation, Cummins Check cooling, sensor; J1939: spn 110 fmi16; Cummins: 0146	A750.X1:22		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950147	Motor Superstructure: Sensor Gas pedal position Frequency too low Customer documentation, Cummins Check sensor, wiring; J1939: spn 91 fmi 8; Cummins: 0147	A750.X2:21		E	1
950148	Motor Superstructure: Sensor Gas pedal position Frequency too high Customer documentation, Cummins Check sensor, wiring; J1939: spn 91 fmi 9; Cummins: 0148	A750.X2:21		E	1
950151	Motor Superstructure: Warning coolant temperature above critical value Customer documentation, Cummins Check cooling, sensor; J1939: spn 110 fmi 0; Cummins: 0151	A750.X1:22		E	1
950153	Motor Superstructure: Sensor 1 temperature intake air short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 105 fmi 3; Cummins: 0153	A750.X1:23		E	1
950154	Motor Superstructure: Sensor 1 temperature Intake air short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 105 fmi 4; Cummins: 0154	A750.X1:23		E	1
950155	Motor Superstructure: temperature 1 intake air above critical value Customer documentation, Cummins Check cooling, sensor; J1939: spn 105 fmi 0; Cummins: 0155	A750.X1:23		E	1
950221	Motor Superstructure: Sensor Atmospheric pressure short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 108 fmi 3; Cummins: 0221	A750.X1:34		E	1
950222	Motor Superstructure: Sensor Atmospheric pressure short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 108 fmi 4; Cummins: 0222	A750.X1:34		E	1
950223	Motor Superstructure: Solenoid valve oil combustion short circuit after ground Customer documentation, Cummins Check valve, wiring; J1939: spn 1265 fmi 4; Cummins: 0223	A750		E	1
950224	Motor Superstructure: Solenoid valve Oil exchange short circuit after ground Customer documentation, Cummins Check valve, wiring; J1939: spn 1266 fmi 4; Cummins: 0224	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950231	Motor Superstructure: Sensor Coolant pressure short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 109 fmi 3; Cummins: 0231	A750		E	1
950232	Motor Superstructure: Sensor Coolant pressure short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 109 fmi 4; Cummins: 0232	A750		E	1
950233	Motor Superstructure: Warning Coolant pressure below critical range Customer documentation, Cummins Check coolant circuit / pump, sensor; J1939: spn 109 fmi 1; Cummins: 0233	A750		E	1
950235	Motor Superstructure: Warning Coolant level too low Customer documentation, Cummins Check coolant level, sensor; J1939: spn 111 fmi 1; Cummins: 0235	A750		E	1
950237	Motor Superstructure: External RPM signal implausible (multiple unit synchronization) Customer documentation, Cummins Check sensor, wiring; J1939: spn 644 fmi 2; Cummins: 0237	A750		E	1
950254	Motor Superstructure: Valve fuel shut off short circuit after ground Customer documentation, Cummins Check valve, wiring; J1939: spn 632 fmi 4; Cummins: 0254	A750.X1:30		E	1
950259	Motor Superstructure: Valve fuel shut off stuck in open condition Customer documentation, Cummins Check valve, wiring; J1939: spn 632 fmi 7; Cummins: 0259	A750.X1:30		E	1
950261	Motor Superstructure: Warning fuel temperature too high Customer documentation, Cummins Let tank/fuel line cool off; J1939: spn 174 fmi 0; Cummins: 0261	A750.X1:26		E	1
950263	Motor Superstructure: Sensor fuel temperature short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 174 fmi 3; Cummins: 0263	A750.X1:26		E	1
950265	Motor Superstructure: Sensor fuel temperature short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 174 fmi 4; Cummins: 0265	A750.X1:26		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950292	Motor Superstructure: Warning Sensor auxiliary temperature input 1, engine guard function ac Customer documentation, Cummins Check sensor, medium/cooling; J1939: spn 1084 fmi14; Cummins: 0292	A750		E	1
950293	Motor Superstructure: Sensor aux. temperature input 1 short circuit after Versorgungsspannung Customer documentation, Cummins Check sensor, wiring; J1939: spn 1083 fmi 3; Cummins: 0293	A750		E	1
950294	Motor Superstructure: Sensor aux. temperature input 1 short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 1083 fmi 4; Cummins: 0294	A750		E	1
950296	Motor Superstructure: Warning Sensor aux. temp. input 2, engine guard function active Customer documentation, Cummins Check sensor, medium/cooling; J1939: spn 1083 fmi14; Cummins: 0296	A750		E	1
950297	Motor Superstructure: Sensor aux. temperature input 2 short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 1084 fmi 3; Cummins: 0297	A750		E	1
950298	Motor Superstructure: Sensor aux. temperature input 2 short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 1084 fmi 4; Cummins: 0298	A750		E	1
950299	Motor Superstructure: Engine stop signal from CAN Customer documentation, Cummins CAN-transfer erroneous, function not implemented; J1939: spn 1384 fmi31; Cummins: 0299	A750		E	1
950316	Motor Superstructure: Fuel pump control short circuit after supply voltage Customer documentation, Cummins Check pump, wiring; J1939: spn 931 fmi 3; Cummins: 0316	A750.X1:11		E	1
950318	Motor Superstructure: Fuel pump control mechanically stuck Customer documentation, Cummins Check pump; J1939: spn 931 fmi 7; Cummins: 0318	A750.X1:11		E	1
950343	Motor Superstructure: internal Hardware error engine control unit Customer documentation, Cummins Replace control unit; J1939: spn 629 fmi12; Cummins: 0343	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950346	Motor Superstructure: internal Software error engine control unit Customer documentation, Cummins Replace control unit; J1939: spn 630 fmi12; Cummins: 0346	A750		E	1
950349	Motor Superstructure: Warning overspeed on output Customer documentation, Cummins Check sensors, wiring, injection system; possibly auxiliary drive; J1939: spn 191 fmi 0; Cummins: 0349	A750.X1:27		E	1
950384	Motor Superstructure: Control unit starter aid error in current circuit (ether injection) Customer documentation, Cummins Check control unit, wiring; J1939: spn 626 fmi11; Cummins: 0384	A750		E	1
950415	Motor Superstructure: Warning engine oil pressure too low Customer documentation, Cummins Check oil level, lube oil supply; J1939: spn 100 fmi 1; Cummins: 0415	A750.X1:24		E	1
950422	Motor Superstructure: Sensor coolant level data incorrect Customer documentation, Cummins Check coolant level, sensor; J1939: spn 111 fmi 2; Cummins: 0422	A750.X2:14		E	1
950423	Motor Superstructure: Pressure on regulator for injection timing or actuator stuck Customer documentation, Cummins Check regulator, actuator; J1939: spn 156 fmi 2; Cummins: 0423	A750.X1:1		E	1
950426	Motor Superstructure: CAN-Data transfer sending error Customer documentation, Cummins Check CAN-Bus system, wiring, control units; J1939: spn 639 fmi 2; Cummins: 0426	A750		E	1
950427	Motor Superstructure: CAN-Data transfer permissible transfer time exceeded Customer documentation, Cummins Check CAN-Bus system, wiring, control units; J1939: spn 639 fmi 9; Cummins: 0427	A750		E	1
950431	Motor Superstructure: Gas pedal value empty gas recognition erroneous Customer documentation, Cummins Check gas pedal, empty gas position; J1939: spn 91 fmi 2; Cummins: 0431	A750X2:13		E	1
950432	Motor Superstructure: Gas pedal value empty gas position not learned Customer documentation, Cummins Check gas pedal, empty gas position; J1939: spn 91 fmi13; Cummins: 0432	A750X2:13		E	1



Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950441	Motor Superstructure: Warning battery voltage 1 low voltage Customer documentation, Cummins Check battery, alternator; J1939: spn 168 fmi 1; Cummins: 0441	A750.X1:3		E	1
950442	Motor Superstructure: Warning battery voltage 1 over voltage Customer documentation, Cummins Check alternator; J1939: spn 168 fmi 0; Cummins: 0442	A750.X1:3		E	1
950451	Motor Superstructure: Sensor metering pressure Rail 1 short circuit after supply voltage Customer documentation, Cummins Check sensor, wiring; J1939: spn 157 fmi 3; Cummins: 0451	A750.X1:31		E	1
950452	Motor Superstructure: Sensor metering pressure Rail 1 short circuit after ground Customer documentation, Cummins Check sensor, wiring; J1939: spn 157 fmi 4; Cummins: 0452	A750.X1:31		E	1
950455	Motor Superstructure: Valve fuel check short circuit after supply voltage Customer documentation, Cummins Check actuator, wiring; J1939: spn 633 fmi 3; Cummins: 0455	A750.X1:30		E	1
950467	Motor Superstructure: Data control Rail actuator erroneous/implausible Customer documentation, Cummins Check actuator, wiring; J1939: spn 635 fmi 2; Cummins: 0467	A750.X1:3		E	1
950468	Motor Superstructure: Data Actuator Fuel line erroneous/implausible Customer documentation, Cummins Check actuator, wiring; J1939: spn 633 fmi 2; Cummins: 0468	A750.X1:11		E	1
950487	Motor Superstructure: Starter aid control canister empty (ether injection) Customer documentation, Cummins Add starter aid fluid (ether), check sensor; J1939: spn 626 fmi 1; Cummins: 0487	A750		E	1
950489	Motor Superstructure: Warning sub RPM on output (Aux Gov) Customer documentation, Cummins Check sensors, wiring, injection system; possibly aux. drive; J1939: spn 191 fmi 1; Cummins: 0489	A750.X1:27		E	1
950497	Motor Superstructure: Synchronization switch Universal unit (multiple unit) erroneous Customer documentation, Cummins Check switch, wiring; J1939: spn 1377 fmi 2; Cummins: 0497	A750.X1:27		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950514	Motor Superstructure: Valve fuel check mechanically stuck Customer documentation, Cummins Check actuator, wiring; J1939: spn 633 fmi 7; Cummins: 0514	A750.X1:30		E	1
950527	Motor Superstructure: Additional in / output 2 AUX short circuit after supply voltage Customer documentation, Cummins Check control unit, wiring; J1939: spn 702 fmi 3; Cummins: 0527	A750		E	1
950529	Motor Superstructure: Additional in / output 3 AUX short circuit after supply voltage Customer documentation, Cummins Check control unit, wiring; J1939: spn 703 fmi 3; Cummins: 0529	A750		E	1
950551	Motor Superstructure: Gas pedal empty gas check short circuit after ground Customer documentation, Cummins Check gas pedal, empty gas position; J1939: spn 91 fmi 4; Cummins: 0551	A750.X2:14		E	1
950553	Motor Superstructure: Warning pressure regulation injector Rail 1 overpressure Customer documentation, Cummins Check pressure regulator, sensor; J1939: spn 157 fmi 0; Cummins: 0553	A750.X1:3		E	1
950554	Motor Superstructure: Sensor error fuel pressure Customer documentation, Cummins Check sensor, wiring; J1939: spn 157 fmi 2; Cummins: 0554	A750.X1:11		E	1
950555	Motor Superstructure: Warning Motor air circulation (blow-by) Customer documentation, Cummins Check air supply; J1939: spn 1264 fmi 0; Cummins: 0555	A750		E	1
950611	Motor Superstructure: Stop due to overheating engine Customer documentation, Cummins Check cooling, cool off engine; J1939: spn 1383 fmi31; Cummins: 0611	A750		E	1
950649	Motor Superstructure: Change lube oil and filter Customer documentation, Cummins Maintenance lube oil supply; J1939: spn 1378 fmi 0; Cummins: 0649	A750		E	1
950719	Motor Superstructure: Pr. sensor air circ. crankshaft housing short circuit aft. supply volt Customer documentation, Cummins Check sensor, wiring; J1939: spn 1264 fmi 3; Cummins: 0719	A750		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
950729	Motor Superstructure: Pressure sensor air circ. crankshaft housing short circuit after groun Customer documentation, Cummins Check sensor, wiring; J1939: spn 1264 fmi 4; Cummins: 0729	A750		E	1
950753	Motor Superstructure: RPM/Position 2 Synchronization error cam Customer documentation, Cummins Check sensors, wiring; J1939: spn 723 fmi 2; Cummins: 0753	A750.X1:37		E	1
B78FA0	LSB-TE7: control heating/air conditioning Set air circ./ no fresh air ground/back measure short circuit VCC	A87		E	1
B78FA1	LSB-TE7: control heating/air conditioning Set air circ. / no fresh air VCC / back measure short circuit ground	A87		E	1
B78FA2	LSB-TE7: control heating/air conditioning Set air circ. / fresh air flap blocked	A87		E	1
B78FA3	LSB-TE7: control heating/air conditioning Set air circ. / fresh air left interruption / short circuit ground	A87		E	1
B78FA4	LSB-TE7: control heating/air conditioning Set air circ. / fresh air right interruption / short circuit ground	A87		E	1
B78FA5	LSB-TE7: control heating/air conditioning Set air foot / window ground missing / back measure short circuit VCC	A87		E	1
B78FA6	LSB-TE7: control heating/air conditioning Set air foot / window VCC missing / back measure short circuit ground	A87		E	1
B78FA7	LSB-TE7: control heating/air conditioning Set air foot / window flap blocked	A87		E	1

Fehler-Nr.	Fehlertext / Reaktion / Behebung	Stecker	Blatt	K	W
B78FA8	LSB-TE7: control heating/air conditioning Set air foot / window left interruption / short circuit ground	A87		E	1
B78FA9	LSB-TE7: control heating/air conditioning Set air foot / window right interruption / short circuit ground	A87		E	1
EFF001	LSB-BTT: System error Data comm. Infrared or cable defect (charge impulse recognized) Fatal system error BTT, Data transfer interrupted Clean cover glass for infrared interface, replace BTT or payload bay			E	1
EFF002	LSB-BTT: System error Data communication via Infrared or cables without charge impulse Fatal system error BTT, Data transfer interrupted Clean charge contacts, replace BTT or payload bay			E	1
EFF003	LSB-BTT: System error General internal error Fatal system error BTT, Data transfer interrupted Reset, replace BTT			E	2
EFF004	LSB-BTT: System error Data transfer erroneous, Packet size incorrect Fatal system error BTT, Data transfer interrupted Reset, BTT or replace BTB			E	2
EFF005	LSB-BTT: System error Data transfer erroneous, Packet content incorrect Fatal system error BTT, Data transfer interrupted Reset, BTT or replace BTB			E	2
EFF006	LSB-BTT: System error Data transfer pictograms to BTT-E defective Fatal system error BTT, Data transfer interrupted Clean cover glass for infrared interface, replace BTT or BTT-E			E	2
EFF007	LSB-BTT: System error File system Fatal system error BTT, Data transfer interrupted After software change, load BTT, replace BTT			E	2
EFF008	LSB-BTT: System error Comm-driver Fatal system error BTT, Data transfer interrupted Reset, after software replacement load BTT, replace BTT			E	2

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