

<b>Error list</b>	
<b>System:</b>	SMX100
<b>Document:</b>	Error list SMX100
<b>Doc.Reference:</b>	TS-37420-130-41
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## 1 General

Error list regarding the assembly group series SMX100.

### 1.1 Target

In addition to the error/alarm states, errors of the peripheral HW and configuration errors have been included.

This error list is valid for firmware versions up to:

Firmware Version <b>04-00-00-11</b>
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### 1.2 Bus Status

When using SMX Modular slave devices bus errors may be shown on the master device. The following bus error messages do exist:

Display	Description	Impact on the system	Reset condition
b0003	Initialisation/Synchronisation with slave devices	All outputs are switched off!	Resettable by switching off/on the SMX(POR).
b0008	Transmission of configuration data to slave devices.	All outputs are switched off!	Not necessary
b0010	Bus in „RUN“	All outputs active based on application	Not necessary
b0012	Bus Error	All outputs are switched off!	Resettable by switching off/on the SMX (POR).




In case of an error the bus state may remain in „b0003“ or „b0012“. The following situations may lead to these states:

Bus Status	<b>b0003</b>
Message	Communication establishment with slave devices
Cause	Slave does not respond
Remedy	<ul style="list-style-type: none"> <li>• Check slave addresses</li> <li>• Check slave status LED (must be flashing green)</li> <li>• Check back pane bus connection between master and slaves</li> </ul>

Bus Status	<b>b0012</b>
Message	Bus error
Cause	Bus error cause by faulty slave device
Remedy	<ul style="list-style-type: none"> <li>• Check if configured slave device (e.g. SMX122) matches the connected one (e.g. SMX122A)</li> <li>• Check slave addresses (duplicates)</li> <li>• Check slave status LED (must be flashing green)</li> </ul>

## 1.3 SMX error types

The SMX distinguishes two types of errors in accordance with the following allocation:

Error type	Description	Impact on the system	Reset condition
Fatal Error 	Fatal exception caused by an internal program or hardware failure SMX100. Safe operation is no longer possible. The last active process is the operation of the 7 segment display by system A. System B is in the "Stop" mode.	All outputs will be switched off!	Resettable by switching off/on the SMX100 (POR).
Alarm 	Functional error, caused by an external process. Both systems keep on running in a cyclical manner and fulfill all requirements of the communication interfaces. The scanning of the external process will also be maintained.	All outputs will be switched off!	Reset by parametrisable input
ECS Alarm 	When using the ECS function on the programming interface, the sensor alarm messages are marked with 'E' instead of 'A'.	ECS-function block result is „0“	Reset by parametrisable input

Identification of the errors in System A and System B:

- System A: odd-numbered
- System B: even-numbered

## 1.4 Display of the error types

There are two ways in which the error number is displayed

- SMX100 without expansion assembly groups

F, A or E      Error number

- SMX100 with expansion assembly groups

F, A or E      1)      Error number

Note 1) 0: Basic assembly group

- 1: expansion assembly group with logical address 1
- 2: expansion assembly group with logical address 2
- 3: expansion assembly group with logical address 3
- 4: expansion assembly group with logical address 4
- 5: expansion assembly group with logical address 5
- 6: expansion assembly group with logical address 6
- 7: expansion assembly group with logical address 7
- 8: expansion assembly group with logical address 8

- SMX100 with decentral slave devices

If no communication can be established to one or more of the decentral slave devices the following sequence is shown

b      -      d      1)      2)

Bus status

- Note 1) 1: expansion assembly group with logical address 1  
 2: expansion assembly group with logical address 2  
 3: expansion assembly group with logical address 3  
 4: expansion assembly group with logical address 4  
 5: expansion assembly group with logical address 5  
 6: expansion assembly group with logical address 6  
 7: expansion assembly group with logical address 7  
 8: expansion assembly group with logical address 8

Note 2) Error number (see list below)

### Error codes decentral slaves


No.	Message	Cause
00	No Link	Device not connected
03	Invalid device type	The device type of the configured and the connected device do not match
04	Invalid device type	The device type of the configured and the connected device do not match
05	Invalid serial number	Device has an invalid serial number
06	Invalid serial number and device type	Device has an invalid serial number and the wrong device typ

## 1.5 Alarm Muting

Several functions exist to muted alarm messages:

- ICS: Muting of digital input related alarms
- ACS: Muting of analog input related alarms
- ECS: Muting of encoder input alarms

If an error can be muted using one of the latter functions it is marked inside the error description.

	<p>Suppressing an alarm using one of the muting functions can have a negative impact on the safety of the application and can only be done after evaluating the safety regulations!</p> <p>Solving the cause of the error must be preferred to muting the alarm.</p>
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## 2 Alarm list SMX100

<b>Alarm Code</b>	<b>A 1212</b>
Alarm message	SD card with new application program was found
Cause	A new application program on the inserted SD card is ready to be loaded. The system is waiting for user confirmation
Remedy	<ul style="list-style-type: none"> <li>• Double-Press the reset button to store the application program on the device.</li> <li>• Remove the SD card if you do not want to change the application</li> </ul>

<b>Alarm Code</b>	<b>A 2115</b>
Alarm message	Timeout system interface telegram
Cause	Send telegram not sent within the timeout
Remedy	Check RS485 hardware driver

<b>Alarm Code</b>	<b>A 2301</b>
Alarm message	Communication Error KI Module
Cause	Incorrect data transmission External EMC
Remedy	<ul style="list-style-type: none"> <li>• Check EMC regulations</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Alarm Code</b>	<b>A 2303</b>
Alarm message	Timeout Communication KI Module
Cause	Incorrect data transmission External EMC
Remedy	<ul style="list-style-type: none"> <li>• Check EMC regulations</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Alarm Code</b>	<b>A 2305</b>
Alarm message	Invalid data length in SPI transmission to KI Module
Cause	Incorrect data transmission External EMC
Remedy	<ul style="list-style-type: none"> <li>• Check EMC regulations</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Alarm Code</b>	<b>A 2307</b>
Alarm message	Invalid identifier in SPI transmission to KI Module
Cause	Incorrect data transmission External EMC
Remedy	<ul style="list-style-type: none"> <li>• Check EMC regulations</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Alarm code</b>	<b>A 3031 / A 3032</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.1
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3033 / A 3034</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.1
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3037 / A 3038</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.2
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3039 / A 3040</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.2
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3043 / A 3044</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.3
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3045 / A 3046</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.3
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3049 / A 3050</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.4
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3051 / A 3052</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.4
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3055 / A 3056</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.5
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3057 / A 3058</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.5
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3061 / A 3062</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.6
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3063 / A 3064</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.6
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3067 / A 3068</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.7
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3069 / A 3070</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.7
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>



<b>Alarm code</b>	<b>A 3073 / A 3074</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.8
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3075 / A 3076</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.8
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3079 / A 3080</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.9
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3081 / A 3082</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.9
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3085 / A 3086</b>
Alarm message	Pulse1 plausibility fault on expansion inlet EAEx.10
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3087 / A 3088</b>
Alarm message	Pulse2 plausibility fault on expansion inlet EAEx.10
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3101 / A 3102</b>
Alarm message	Pulse1 plausibility fault on input DI x.1
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3103 / A 3104</b>
Alarm message	Pulse1 plausibility fault on input DI x.2
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3105 / A 3106</b>
Alarm message	Pulse1 plausibility fault on input DI x.3
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3107 / A 3108</b>
Alarm message	Pulse1 plausibility fault on input DI x.4
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3109 / A 3110</b>
Alarm message	Pulse1 plausibility fault on input DI x.5
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3111 / A 3112</b>
Alarm message	Pulse1 plausibility fault on input DI x.6
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3113 / A 3114</b>
Alarm message	Pulse1 plausibility fault on input DI x.7
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3115 / A 3116</b>
Alarm message	Pulse1 plausibility fault on input DI x.8
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3117 / A 3118</b>
Alarm message	Pulse2 plausibility fault on input DI x.1
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3119 / A 3120</b>
Alarm message	Pulse2 plausibility fault on input DI x.2
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3121 / A 3122</b>
Alarm message	Pulse2 plausibility fault on input DI x.3
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3123 / A 3124</b>
Alarm message	Pulse2 plausibility fault on input DI x.4
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3125 / A 3126</b>
Alarm message	Pulse2 plausibility fault on input DI x.5
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3127 / A 3128</b>
Alarm message	Pulse2 plausibility fault on input DI x.6
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3129 / A 3130</b>
Alarm message	Pulse2 plausibility fault on input DI x.7
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3131 / A 3132</b>
Alarm message	Pulse2 plausibility fault on input DI x.8
Cause	No Pulse2 voltage applied to this input
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3133 / A 3134</b>
Alarm message	Pulse1 plausibility fault on input DI x.9
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3135 / A 3136</b>
Alarm message	Pulse1 plausibility fault on input DI x.10
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3137 / A 3138</b>
Alarm message	Pulse1 plausibility fault on input DI x.11
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3139 / A 3140</b>
Alarm message	Pulse1 plausibility fault on input DI x.12
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3141 / A 3142</b>
Alarm message	Pulse1 plausibility fault on input DI x.13
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3143 / A 3144</b>
Alarm message	Pulse1 plausibility fault on input DI x.14
Cause	Configured Pulse1 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3147 / A 3148</b>
Alarm message	Pulse2 plausibility fault on input DI x.9
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input DI9 acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3149 / A 3150</b>
Alarm message	Pulse2 plausibility fault on input DI x.10
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input DI10 acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3151 / A 3152</b>
Alarm message	Pulse2 plausibility fault on input DI x.11
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input DI11 acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3153 / A 3154</b>
Alarm message	Pulse2 plausibility fault on input DI x.12
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3155 / A 3156</b>
Alarm message	Pulse2 plausibility fault on input DI x.13
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3157 / A 3158</b>
Alarm message	Pulse2 plausibility fault on input DI x.14
Cause	Configured Pulse2 voltage not applied to this input.
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the digital input acc. to planning and circuit diagram</li> <li>• Check wiring</li> </ul>

<b>Alarm code</b>	<b>A 3191 / A 3192</b>
Alarm message	Short circuit error digital inputs DI x.1 ... DI x.12
Cause	Short circuit between the digital inputs within the assembly group
Remedy	<ul style="list-style-type: none"> <li>• Power Reset</li> <li>• Check degree of pollution of device</li> <li>• Check external wiring</li> <li>• Replace device</li> </ul>

<b>Alarm code</b>	<b>A 3197 / A 3198</b>
Alarm message	Incorrect OSSD input check
Cause	OSSD test incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check 24V input voltage of all OSSD inputs</li> <li>• Power Reset</li> </ul>

<b>Alarm Code</b>	<b>A 3209 / A 3210</b>
Alarm message	Sensor supply voltage X31 incorrect.
Cause	<ul style="list-style-type: none"> <li>• Sensor supply voltage does not correspond to the configured threshold</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check configuration!</li> <li>• Check sensor supply voltage</li> <li>• Switch off/on device</li> </ul>

<b>Alarm Code</b>	<b>A 3213 / A 3214</b>
Alarm message	Sensor supply voltage X32 incorrect.
Cause	<ul style="list-style-type: none"> <li>• Sensor supply voltage does not correspond to the configured threshold</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check configuration!</li> <li>• Check sensor supply voltage</li> <li>• Switch off/on device</li> </ul>

<b>Alarm code</b>	<b>A 3225 / A 3226</b>
Fault message	Deviation Ain1 to In2 too big
Cause	<ul style="list-style-type: none"> <li>• Different voltages on both inputs</li> <li>• configured threshold too low</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check voltages on Ain1!</li> <li>• Check configuration of threshold/input filter</li> <li>• Switch device off/on.</li> </ul>

<b>Alarm code</b>	<b>A 3227 / A 3228</b>
Fault message	Deviation Ain3 to In4 too big
Cause	<ul style="list-style-type: none"> <li>• Different voltages on both inputs</li> <li>• configured threshold too low</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check voltages on Ain1!</li> <li>• Check configuration of threshold/input filter</li> <li>• Switch device off/on.</li> </ul>

<b>Alarm code</b>	<b>A 3229 / A 3230</b>
Fault message	Plausibility test for encoder voltage faulty
Cause	<ul style="list-style-type: none"> <li>• Encoder voltage value</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check sensor voltage supply</li> <li>• Check wiring of sensor voltage supply</li> <li>• Power Cycle</li> </ul>

<b>Alarm code</b>	<b>A 3231 / A 3232</b>
Fault message	Plausibility test for analog inputs faulty
Cause	<ul style="list-style-type: none"> <li>• Fault in analog input signal</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check connection of analog inputs</li> <li>• Analog input voltage out of range</li> </ul>

<b>Alarm code</b>	<b>A 3233 / A 3234</b>
Fault message	Open-circuit monitoring AIN1 has triggered
Cause	<ul style="list-style-type: none"> <li>• Open-circuit monitoring activated (&lt; 1000mV)</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check configuration of activation/sensor</li> <li>• Check sensor connection</li> </ul>

<b>Alarm code</b>	<b>A 3235 / A 3236</b>
Fault message	Open-circuit monitoring AIN2 has triggered
Cause	<ul style="list-style-type: none"> <li>• Open-circuit monitoring activated (&lt; 1000mV)</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check configuration of activation/sensor</li> <li>• Check sensor connection</li> </ul>

<b>Alarm code</b>	<b>A 3237 / A 3238</b>
Fault message	Analog adder overflow
Cause	Analog voltage ranges vary
Remedy	<ul style="list-style-type: none"> <li>• Check the configuration of the analog voltage values</li> <li>• Check analog sensor connection</li> </ul>

<b>Alarm Code</b>	<b>A 3301 / A 3302</b>
Alarm message	Plausibility error speed recording axis 1
Cause	The difference between the two speed sensors is higher than the configured switch off threshold for speed
Remedy	<ul style="list-style-type: none"> <li>• Check the theory of the distance by comparing the data in the configuration of the sensors.</li> <li>• Check the signals of the speed sensor</li> <li>• Check the correct wiring on the 9-pin encoder plug</li> <li>• Analyse the speed signals using the scope function</li> <li>• Check the parameterization of the axis (Resolution, Direction, Cutoff Threshold Speed, Filter)</li> <li>• Check the track for slippage or speed deviations</li> </ul>

<b>Alarm code</b>	<b>A 3303 / A 3304</b>
Alarm message	Plausibility fault position sensing axis 1
Cause	The difference between the two position signals is higher than the configured switch off threshold for increments
Remedy	<ul style="list-style-type: none"> <li>• Check the theory of the distance by comparing the data in the configuration of the sensors.</li> <li>• Check the signals of the position sensor</li> <li>• Check the correct wiring on the 9-pin encoder plug</li> <li>• Analyse the position signals using the scope function</li> <li>• Check the parameterization of the axis (Resolution, Direction, Cutoff Threshold Speed, Filter)</li> </ul>

<b>Alarm code</b>	<b>A 3307 / A 3308</b>
Alarm message	Plausibility fault position range axis 1
Cause	The current position is outside of the configured measuring length
Remedy	<ul style="list-style-type: none"> <li>• Check the theory of the distance by comparing the data configured in the sensor adjustment</li> <li>• Check position signal, if applicable, correct offset</li> <li>• Manually drive to the preset position and execute preset</li> </ul>

<b>Alarm code</b>	<b>A 3309 / A 3310</b>
Alarm message	Plausibility fault because of faulty speed axis 1
Cause	<ul style="list-style-type: none"> <li>• The current speed is outside of the configured maximal speed</li> <li>• The drive is moving above the allowed maximum speed</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check configuration.</li> <li>• Analyse the speed course via SCOPE</li> <li>• Check the driveway for speed deviations</li> <li>• Check absolute encoders for position discontinuity if applicable</li> </ul>

<b>Alarm code</b>	<b>A 3313 / A 3314</b>
Fault message	SSI sensor fault
Cause	<ul style="list-style-type: none"> <li>• Encoder step change SSI-value within a cycle too big</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check encoder wiring</li> <li>• Check encoder configuration</li> </ul>

<b>Alarm code</b>	<b>A 3317 / A 3318</b>
Fault message	Plausibility error of the signals of the incremental encoder (single and quad-counter comparison failed)
Cause	<ul style="list-style-type: none"> <li>• Signals on track A do not correspond to track B</li> <li>• Damaged RS485 encoder interface</li> <li>• Encoder operates out of encoder interface specification</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check sensor wiring</li> <li>• Check sensor configuration</li> <li>• Check the level of the encoder signals</li> <li>• Check the maximum counter frequency of the encoder</li> </ul>

<b>Alarm code</b>	<b>A 3321 / A 3322</b>
Alarm message	Plausibility error speed recording axis 2
Cause	The difference between the two speed sensors is higher than the configured switch off threshold for speed
Remedy	<ul style="list-style-type: none"> <li>• Check the theory of the distance by comparing the data in the configuration of the sensors.</li> <li>• Check the signals of the speed sensor</li> <li>• Check the correct wiring on the 9-pin encoder plug</li> <li>• Analyse the speed signals using the scope function</li> <li>• Check the parameterization of the axis (Resolution, Direction, Cutoff Threshold Speed, Filter)</li> <li>• Check the track for slippage or speed deviations</li> </ul>



<b>Alarm code</b>	<b>A 3323 / A 3324</b>
Alarm message	Plausibility error position recording axis 2
Cause	The difference between the two position signals is higher than the configured switch off threshold for increments
Remedy	<ul style="list-style-type: none"> <li>• Check the theory of the distance by comparing the data in the configuration of the sensors.</li> <li>• Check the signals of the position sensor</li> <li>• Check the correct wiring on the 9-pin encoder plug</li> <li>• Analyse the position signals using the scope function</li> <li>• Check the parameterization of the axis (Resolution, Direction, Cutoff Threshold Speed, Filter)</li> </ul>

<b>Alarm code</b>	<b>A 3327 / A 3328</b>
Alarm message	Plausibility fault position range axis 2
Cause	The current position is outside of the configured measuring length
Remedy	<ul style="list-style-type: none"> <li>• Check the theory of the distance by comparing the data configured in the sensor adjustment</li> <li>• Check position signal, if applicable, correct offset (absolute encoder)</li> <li>• Manually drive to the preset position and execute preset</li> </ul>

<b>Alarm code</b>	<b>A 3329 / A 3330</b>
Alarm message	Plausibility fault because of faulty speed axis 2
Cause	<ul style="list-style-type: none"> <li>• The current speed is outside of the configured maximal speed</li> <li>• The drive is moving above the allowed maximum speed</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check configuration.</li> <li>• Analyse the speed course via SCOPE</li> <li>• Check the driveway for speed deviations</li> <li>• Check absolute encoders for position discontinuity if applicable</li> </ul>

<b>Alarm code</b>	<b>A 3333 / A 3334</b>
Alarm message	Plausibility fault of SinCos encoder
Cause	Wrong sensor type connected
Remedy	<ul style="list-style-type: none"> <li>• Check configuration</li> <li>• Check sensor connector</li> <li>• Record and check sin/cos signals</li> </ul>

<b>Alarm code</b>	<b>A 3337 / A3338</b>
Fault message	Incremental encoder axis 2 faulty
Cause	<ul style="list-style-type: none"> <li>• Track A does not correspond to track B</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check sensor wiring</li> <li>• Check sensor configuration</li> <li>• Check and record encoder signals</li> </ul>

<b>Alarm code</b>	<b>A 3407 / A 3408</b>
Alarm message	Difference level RS485 driver 1 fault (X31) A3407: TTL track B or SSI CLK A3408: TTL track A or SSI DATA
Cause	<ul style="list-style-type: none"> <li>• No encoder connection</li> <li>• Wrong encoder type connected</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Control the encoder connection</li> <li>• Check the encoder wiring</li> </ul>

<b>Alarm code</b>	<b>A 3409 / A 3410</b>
Alarm message	Difference level RS485 driver fault (X32). A3409: TTL Signal B or SSI CLK A3410: TTL Signal A or SSI DATA
Cause	<ul style="list-style-type: none"> <li>• No encoder connection</li> <li>• Wrong encoder type connected</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Control the encoder connection</li> <li>• Check the encoder wiring</li> </ul>

<b>Alarm code</b>	<b>A 3411 / A 3412</b>
Fault message	Fault Sine/Cosine plausibility X31
Cause	<ul style="list-style-type: none"> <li>• Plausibility monitoring of detached line faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check sensor wiring</li> <li>• Sinus to Cosinus must be linear</li> <li>• Attenuation on Sin/Cos lines too big</li> <li>• Interference on Sin/Cos lines</li> </ul>

<b>Alarm code</b>	<b>A 3413 / A 3414</b>
Fault message	Fault Sine/Cosine plausibility X32
Cause	<ul style="list-style-type: none"> <li>• Plausibility monitoring of detached line faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check sensor wiring</li> <li>• Sinus to Cosinus must be linear</li> <li>• Attenuation on Sin/Cos lines too big</li> <li>• Interference on Sin/Cos lines</li> </ul>

<b>Alarm code</b>	<b>A 3421 / A 3422</b>
Fault message	Wrong SSI Format
Cause	Unexpected or wrong SSI Frame Format
Remedy	<ul style="list-style-type: none"> <li>• Check sensor configuration and settings</li> <li>• Check SSI master configuration</li> <li>• Check encoder connector</li> <li>• Check encoder wiring</li> </ul>

<b>Alarm code</b>	<b>A 3451 / A 3452</b>
Alarm message	Faulty resolver frequency
Cause	<ul style="list-style-type: none"> <li>• Resolver frequency is outside of admissible range.</li> <li>• Error of excitation frequency of resolver.</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check resolver frequency if it is in the admissible range.</li> <li>• Check encoder wiring</li> <li>• Power reset</li> </ul>

<b>Alarm code</b>	<b>A 3453 / A3454</b>
Fault message	Mean value of the resolver reference signal is outside the permissible range.
Cause	<ul style="list-style-type: none"> <li>• Mean value of reference signal of resolver is outside of the admissible range.</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the connected resolver</li> <li>• Record and analyse the resolver signals</li> <li>• Check the voltage level of the resolver signals (Min, Max, Variance)</li> </ul>

<b>Alarm Code</b>	<b>A 3455 / A 3456</b>
Fehler Meldung	Generic PIC error
Cause	<ul style="list-style-type: none"> <li>• HW error on the extension board</li> <li>• PIC controller reported generic error</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder wiring on X33/X34</li> <li>• Check the settings for encoder X33/X34</li> <li>• Power Reset</li> <li>• Replace Device</li> </ul>

<b>Alarm code</b>	<b>A 3457 / A3458</b>
Fault message	Encoder reference voltage on extension board X33/X34 is incorrect (U_REF monitoring)
Cause	<ul style="list-style-type: none"> <li>• Wrong encoder wiring</li> <li>• HW error on extension board</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder wiring on X33/X34</li> <li>• Check the settings for encoder X33/X34</li> <li>• Power Reset</li> <li>• Replace Device</li> </ul>

<b>Alarm code</b>	<b>A 3459 / A3460</b>
Fault message	The amplitude of the Sinus/Cosinus signals is out of range
Cause	<ul style="list-style-type: none"> <li>• Incorrect configuration of sensor</li> <li>• Incorrect connection of encoder</li> <li>• Wrong encoder signals</li> <li>• Interference on encoder signals</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check sensor configuration</li> <li>• Check connections of sensors</li> <li>• Record encoder signals</li> <li>• Check EMC guidelines</li> <li>• Power Reset</li> </ul>

<b>Alarm code</b>	<b>A 3461 / A3462</b>
Fault message	The PIC reports a general status fault, e.g. when setting up a connection or because a timeout occurred during processing.
Cause	<ul style="list-style-type: none"> <li>• Wrong encoder signals</li> <li>• Defect RS485 encoder driver</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Power cycle of device</li> <li>• Check encoder signals on X33/X34</li> <li>• Check encoder wiring on X33/X34</li> <li>• Replace device</li> </ul>

<b>Alarm code</b>	<b>A 3463 / A3464</b>
Fault message	Plausibility check between the analogue sine signal and the TTL levels on the Schmitt trigger output do not correspond.
Cause	<ul style="list-style-type: none"> <li>• Wrong encoder signals</li> <li>• Defect RS485 encoder driver</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check encoder signals on X33/X34</li> <li>• Check encoder wiring on X33/X34</li> <li>• Power cycle of device</li> <li>• Record and analyse the encoder signals</li> <li>• Replace device</li> </ul>

<b>Alarm code</b>	<b>A 3465 / A3466</b>
Fault message	The quotient of arithmetic mean value / quadratic mean value is outside of the admissible range.
Cause	<ul style="list-style-type: none"> <li>• Incorrect signals from sensor</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check encoder signals on X33/X34</li> <li>• Check encoder wiring on X33/X34</li> <li>• Record and analyse the encoder signals</li> </ul>

<b>Alarm code</b>	<b>A 3467 / A3468</b>
Fault message	Connection establishment between CPU and PIC has failed.
Cause	<ul style="list-style-type: none"> <li>• Incorrect Encoder signals</li> <li>• Hardware defect on X33/X34</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check extension board</li> <li>• Check encoder input level on X33/X34</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Alarm code</b>	<b>A 3469 / A3470</b>
Fault message	Resolver_Quadrant
Cause	<ul style="list-style-type: none"> <li>• Incorrect sensor signals from encoder</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signals</li> <li>• Power Cycle</li> </ul>

<b>Alarm code</b>	<b>A 3471 / A3472</b>
Fault message	Resolver_UENC
Cause	<ul style="list-style-type: none"> <li>• Encoder supply voltage is not connected</li> <li>• Wrong encoder supply voltage configured</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check encoder supply voltage on X17/X19</li> <li>• Check configuration for encoder supply voltage monitoring on X33/X34</li> <li>• Check the encoder signals</li> <li>• Power Cycle</li> </ul>

<b>Alarm code</b>	<b>A 3473 / A3474</b>
Fault message	TTL/HTL signal incorrect
Cause	<ul style="list-style-type: none"> <li>• Incorrect sensor signal from encoder</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signals</li> <li>• Power Cycle</li> </ul>

<b>Alarm code</b>	<b>A 3475 / A3476</b>
Fault message	Resolver_TRACE Error
Cause	<ul style="list-style-type: none"> <li>• Counter signals of encoder are incorrect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection X33/X34</li> <li>• Check the encoder signals</li> <li>• Check extension board</li> <li>• Power Cycle</li> </ul>

<b>Alarm Code</b>	<b>A 3477 / A3478</b>
Fault message	SSI clock error
Cause	<ul style="list-style-type: none"> <li>• Plausibility check SSI Clock (Clock missing)</li> <li>• Wrong clock signals on SSI Listener</li> <li>• SSI mono flop time out of range</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Clock Signal Check</li> <li>• Check cables</li> <li>• Check the configuration of the SSI Master</li> <li>• Record and check the SSI Signals</li> </ul>

<b>Alarm Code</b>	<b>A 3501 / A 3502</b>
Fehler Meldung	PXV CRC32 Berechnung fehlerhaft
Ursache	<ul style="list-style-type: none"> <li>• Fehlerhafte Übertragung von Sensordaten zur SMX</li> <li>• EMV Einflüsse auf Übertragung</li> </ul>
Fehlerbeseitigung	<ul style="list-style-type: none"> <li>• Verkabelung Sensorplatine überprüfen</li> <li>• Verkabelung Sensor überprüfen</li> <li>• Abschirmung vor EMV Einflüssen prüfen</li> </ul>

<b>Alarm Code</b>	<b>A 3503 / A 3504</b>
Fehler Meldung	PXV Nullposition gelesen
Ursache	<ul style="list-style-type: none"> <li>• Position Lesekopf zu DataMatrix-Codeband ungültig</li> <li>• DataMatrix-Codeband verschmutzt</li> <li>• Fehlendes / fehlerhaftes DataMatrix-Codeband</li> <li>• Abstand zwischen zwei DataMatrix-Codebändern zu groß</li> <li>• Lesefenster PXV blockiert</li> <li>• Fremdlicht stört Lesevorgang</li> </ul>
Fehlerbeseitigung	<ul style="list-style-type: none"> <li>• Sensorkopf neu ausrichten</li> <li>• DataMatrix-Codeband reinigen/erneuern</li> <li>• Abstand der DataMatrix-Codebänder verringern</li> <li>• Optik reinigen</li> <li>• Strecke auf blockierte/fehlende Codes kontrollieren</li> <li>• Sensor vor Fremdlicht schützen</li> </ul>

<b>Alarm Code</b>	<b>A 3505 / A 3506</b>
Fehler Meldung	PXV Checksumme fehlerhaft
Ursache	<ul style="list-style-type: none"> <li>• Fehlerhafte Übertragung der Sensordaten</li> <li>• EMV Einflüsse auf Übertragung</li> </ul>
Fehlerbeseitigung	<ul style="list-style-type: none"> <li>• Verkabelung Sensorplatine überprüfen</li> <li>• Verkabelung Sensor überprüfen</li> <li>• Abschirmung vor EMV Einflüssen prüfen</li> </ul>

<b>Alarm Code</b>	<b>A 3507 / A 3508</b>
Fehler Meldung	PXV Erhaltene Codefarbe entspricht nicht der Erwartungshaltung
Ursache	<ul style="list-style-type: none"> <li>• Fehlerhafter Sensor liefert falsche Beleuchtung / Daten</li> <li>• Fehlerhafte Übertragung von Sensordaten zur SMX</li> <li>• EMV Einflüsse auf Übertragung</li> </ul>
Fehlerbeseitigung	<ul style="list-style-type: none"> <li>• Sensor auf korrekte Funktionalität prüfen</li> <li>• Verkabelung Sensorplatine überprüfen</li> <li>• Verkabelung Sensor überprüfen</li> <li>• Positionierung Lesekopf überprüfen</li> <li>• DataMatrix-Codeband überprüfen</li> <li>• Abschirmung vor EMV Einflüssen prüfen</li> </ul>

<b>Alarm code</b>	<b>A 3551 / A 3552</b>
Fault message	SSI_ECE STATUS 1. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 1st status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3553 / A 3554</b>
Fault message	SSI_ECE STATUS 1. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 2nd status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3555 / A 3556</b>
Fault message	SSI_ECE STATUS 1. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 3rd status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3557 / A 3558</b>
Fault message	SSI_ECE STATUS 1. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 4th status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3559 / A 3560</b>
Fault message	SSI_ECE STATUS 1. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 5th status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3561 / A 3562</b>
Fault message	SSI_ECE STATUS 2. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 1st status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3563 / A 3564</b>
Fault message	SSI_ECE STATUS 2. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 2nd status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3565 / A 3566</b>
Fault message	SSI_ECE STATUS 2. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 3rd status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3567 / A 3568</b>
Fault message	SSI_ECE STATUS 2. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 4th status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3569 / A 3570</b>
Fault message	SSI_ECE STATUS 2. axis SSI Ext Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 5th status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3571 / A 3572</b>
Fault message	SSI STATUS 1. axis SSI Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 1st status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3573 / A 3574</b>
Fault message	SSI STATUS 1. axis SSI Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 2nd status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3575 / A 3576</b>
Fault message	SSI STATUS 1. axis SSI Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 3rd status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3577 / A 3578</b>
Fault message	SSI STATUS 1. axis SSI Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 4th status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm code</b>	<b>A 3579 / A 3580</b>
Fault message	SSI STATUS 1. axis SSI Encoder
Cause	<ul style="list-style-type: none"> <li>• Evaluation of the 5th status bit is faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the encoder connection</li> <li>• Check the encoder signal</li> <li>• Check the meaning of the error bit in the encoder manual</li> <li>• Replace the SSI-encoder</li> </ul>

<b>Alarm Code</b>	<b>A 3627 / A 3628</b>
Fault message	Error static test HighSide output 1 relay board
Cause	<ul style="list-style-type: none"> <li>• Incorrect wiring (short-circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring (short circuit)</li> <li>• Check the hardware</li> </ul>

<b>Alarm Code</b>	<b>A 3629 / A 3630</b>
Fault message	Error static test HighSide output 2 relay board
Cause	<ul style="list-style-type: none"> <li>• Incorrect wiring (short-circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring (short circuit)</li> <li>• Check the hardware</li> </ul>

<b>Alarm Code</b>	<b>A 3631 / A 3632</b>
Fault message	Error static test HighSide output 3 relay board
Cause	<ul style="list-style-type: none"> <li>• Incorrect wiring (short-circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring (short circuit)</li> <li>• Check the hardware</li> </ul>



<b>Alarm Code</b>	<b>A 3633 / A 3634</b>
Fault message	Error static test HighSide output 4 relay board
Cause	<ul style="list-style-type: none"> <li>• Incorrect wiring (short-circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring (short circuit)</li> <li>• Check the hardware</li> </ul>

<b>Alarm Code</b>	<b>A 3635 / A 3636</b>
Fault message	Fault static test Main Switch 2 of HighSide outputs 1 and 2
Cause	<ul style="list-style-type: none"> <li>• Incorrect wiring (short-circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring (short circuit)</li> <li>• Check the hardware</li> </ul>

<b>Alarm Code</b>	<b>A 3637 / A 3638</b>
Fault message	Fault static test Main Switch 2 of HighSide outputs 3 and 4
Cause	<ul style="list-style-type: none"> <li>• Incorrect wiring (short-circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring (short circuit)</li> <li>• Check the hardware</li> </ul>

<b>Alarm Code</b>	<b>A 3801 / A3802</b>
Fault message	Faulty switching of output EAAx.1
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3803 / A3804</b>
Fault message	Faulty switching of output EAAx.2
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3805 / A3806</b>
Fault message	Faulty switching of output EAAx.3
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3807 / A3808</b>
Fault message	Faulty switching of output EAAx.4
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3809 / A3810</b>
Fault message	Faulty switching of output EAAx.5
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3811 / A3812</b>
Fault message	Faulty switching of output EAAx.6
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3813 / A3814</b>
Fault message	Faulty switching of output EAAx.7
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3815 / A3816</b>
Fault message	Faulty switching of output EAAx.8
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3817 / A3818</b>
Fault message	Faulty switching of output EAAx.9
<ul style="list-style-type: none"> <li>• Cause</li> </ul>	Short circuit of output with „24V“ or „0V“
<ul style="list-style-type: none"> <li>• Remedy</li> </ul>	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3819 / A3820</b>
Fault message	Faulty switching of output EAAx.10
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3901 / A3902</b>
Fault message	Faulty switching of output EAA0.11
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3903 / A3904</b>
Fault message	Faulty switching of output EAA0.12
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3905 / A3906</b>
Fault message	Faulty switching of output EAA0.13
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3907 / A3908</b>
Fault message	Faulty switching of output EAA0.14
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3909 / A3910</b>
Fault message	Faulty switching of output EAA0.15
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3911 / A3912</b>
Fault message	Faulty switching of output EAA0.16
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3913 / A3914</b>
Fault message	Faulty switching of output EAA0.17
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3915 / A3916</b>
Fault message	Faulty switching of output EAA0.18
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3917 / A3918</b>
Fault message	Faulty switching of output EAA0.19
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3919 / A3920</b>
Fault message	Faulty switching of output EAAx.20
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3921 / A3922</b>
Fault message	Faulty switching of output EAAx.21
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3923 / A3924</b>
Fault message	Faulty switching of output EAAx.22
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3925 / A3926</b>
Fault message	Faulty switching of output EAAx.23
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3927 / A3928</b>
Fault message	Faulty switching of output EAAx.24
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3929 / A3930</b>
Fault message	Faulty switching of output EAAx.25
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3931 / A3932</b>
Fault message	Faulty switching of output EAAx.26
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3933 / A3934</b>
Fault message	Faulty switching of output EAAx.27
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3935 / A3936</b>
Fault message	Faulty switching of output EAAx.28
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3937 / A3938</b>
Fault message	Faulty switching of output EAAx.29
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3939 / A3940</b>
Fault message	Faulty switching of output EAAx.30
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3941 / A3942</b>
Fault message	Faulty switching of output EAA0.31
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3943 / A3944</b>
Fault message	Faulty switching of output EAA0.32
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3945 / A3946</b>
Fault message	Faulty switching of output EAA0.33
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3947 / A3948</b>
Fault message	Faulty switching of output EAA0.34
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3949 / A3950</b>
Fault message	Faulty switching of output EAA0.35
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3951 / A3952</b>
Fault message	Faulty switching of output EAA0.36
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3953 / A3954</b>
Fault message	Faulty switching of output EAA0.37
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3955 / A3956</b>
Fault message	Faulty switching of output EAA0.38
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3957 / A3958</b>
Fault message	Faulty switching of output EAA0.39
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 3959 / A3960</b>
Fault message	Faulty switching of output EAAx.40
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the outputs on extension device</li> <li>• Power cycle</li> </ul>

<b>Alarm code</b>	<b>A 4001 / A 4002</b>
Alarm message	Anticlockwise and clockwise rotation SDI1 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI1 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4003 / A 4004</b>
Alarm message	Anticlockwise and clockwise rotation SDI2 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI2 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4005 / A 4006</b>
Alarm message	Anticlockwise and clockwise rotation SDI3 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI3 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4007 / A 4008</b>
Alarm message	Anticlockwise and clockwise rotation SDI4 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI4 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4009 / A 4010</b>
Alarm message	Anticlockwise and clockwise rotation SDI5 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI5 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4011 / A 4012</b>
Alarm message	Anticlockwise and clockwise rotation SDI6 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI6 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4013 / A 4014</b>
Alarm message	Anticlockwise and clockwise rotation SDI7 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI7 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4015 / A 4016</b>
Alarm message	Anticlockwise and clockwise rotation SDI8 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI8 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4017 / A 4018</b>
Alarm message	Anticlockwise and clockwise rotation SDI9 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI9 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4019 / A 4020</b>
Alarm message	Anticlockwise and clockwise rotation SDI10 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI10 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>



<b>Alarm Code</b>	<b>A 4021 / A 4022</b>
Alarm message	Anticlockwise and clockwise rotation SDI11 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI11 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4023 / A 4024</b>
Alarm message	Anticlockwise and clockwise rotation SDI12 have been activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SDI12 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SDI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4401 / A 4402</b>
Alarm message	Faulty EMU (ID1) monitoring in axle assembly
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4403 / A 4404</b>
Alarm message	Faulty EMU (ID2) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4411 / A 4412</b>
Alarm message	Faulty EMU (ID1) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4413 / A 4414</b>
Alarm message	Faulty EMU (ID2) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4415 / A 4416</b>
Alarm message	Faulty EMU (ID3) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4417 / A 4418</b>
Alarm message	Faulty EMU (ID4) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4419 / A 4420</b>
Alarm message	Faulty EMU (ID5) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4421 / A 4422</b>
Alarm message	Faulty EMU (ID6) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4423 / A 4424</b>
Alarm message	Faulty EMU (ID7) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4425 / A 4426</b>
Alarm message	Faulty EMU (ID8) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4427 / A 4428</b>
Alarm message	Faulty EMU (ID9) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4429 / A 4430</b>
Alarm message	Faulty EMU (ID10) monitoring
Cause	External EMU feedback signal has invalid state
Remedy	<ul style="list-style-type: none"> <li>• Check EMU feedback signal</li> <li>• Check output control and output wiring</li> <li>• Check reaction time inside configuration</li> </ul>

<b>Alarm code</b>	<b>A 4601 / A 4602</b>
Alarm message	Monitoring range left and right of SLP1 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP1 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4603 / A 4604</b>
Alarm message	Monitoring range left and right of SLP2 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP2 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4605 / A 4606</b>
Alarm message	Monitoring range left and right of SLP3 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP3 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4607 / A 4608</b>
Alarm message	Monitoring range left and right of SLP4 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP4 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4609 / A 4610</b>
Alarm message	Monitoring range left and right of SLP5 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP5 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4611 / A 4612</b>
Alarm message	Monitoring range left and right of SLP6 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP6 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4613 / A 4614</b>
Alarm message	Monitoring range left and right of SLP7 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP7 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4615 / A 4616</b>
Alarm message	Monitoring range left and right of SLP8 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP8 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4617 / A 4618</b>
Alarm message	Monitoring range left and right of SLP9 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP2 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4619 / A 4620</b>
Alarm message	Monitoring range left and right of SLP10 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP2 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4621 / A 4622</b>
Alarm message	Was monitoring the area left and right of the SLP11 activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP11 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4623 / A 4624</b>
Alarm message	Was monitoring the area left and right of the SLP12 activated simultaneously
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLP12 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLP function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4625 / A 4626</b>
Alarm message	SLP1 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4627 / A 4628</b>
Alarm message	SLP2 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4629 / A 4630</b>
Alarm message	SLP3 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4631 / A 4632</b>
Alarm message	SLP4 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4633 / A 4634</b>
Alarm message	SLP5 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4635 / A 4636</b>
Alarm message	SLP6 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4637 / A 4638</b>
Alarm message	SLP7 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4639 / A 4640</b>
Alarm message	SLP8 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4641 / A 4642</b>
Alarm message	SLP9 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4643 / A 4644</b>
Alarm message	SLP10 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4645 / A 4646</b>
Alarm message	SLP11 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4647 / A 4648</b>
Alarm message	SLP12 teach in Status error
Cause	SET and QUIT input and have a faulty switching sequence
Remedy	<ul style="list-style-type: none"> <li>• Check input configuration</li> <li>• Check switching sequence</li> </ul>

<b>Alarm Code</b>	<b>A 4649 / A 4650</b>
Alarm message	SLP1 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4651 / A 4652</b>
Alarm message	SLP2 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4653 / A 4654</b>
Alarm message	SLP3 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4655 / A 4656</b>
Alarm message	SLP4 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4657 / A 4658</b>
Alarm message	SLP5 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4659 / A 4660</b>
Alarm message	SLP6 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4661 / A 4662</b>
Alarm message	SLP7 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>



<b>Alarm Code</b>	<b>A 4663 / A 4664</b>
Alarm message	SLP8 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4665 / A 4666</b>
Alarm message	SLP9 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4667 / A 4668</b>
Alarm message	SLP10 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4669 / A 4670</b>
Alarm message	SLP11 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4671 / A 4672</b>
Alarm message	SLP12 Teach In position error
Cause	Teach In Position out of range
Remedy	<ul style="list-style-type: none"> <li>• Check TeachIn Position</li> <li>• Adapt configuration of SLP block to the real physics</li> </ul>

<b>Alarm Code</b>	<b>A 4673 / A 4674</b>
Alarm message	SLP1 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4675 / A 4676</b>
Alarm message	SLP2 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4677 / A 4678</b>
Alarm message	SLP3 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated



<b>Alarm Code</b>	<b>A 4679 / A 4680</b>
Alarm message	SLP4 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4681 / A 4682</b>
Alarm message	SLP5 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4683 / A 4684</b>
Alarm message	SLP6 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4685 / A 4686</b>
Alarm message	SLP7 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4687 / A 4688</b>
Alarm message	SLP8 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4689 / A 4690</b>
Alarm message	SLP9 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4691 / A 4692</b>
Alarm message	SLP10 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4693 / A 4694</b>
Alarm message	SLP11 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm Code</b>	<b>A 4695 / A 4696</b>
Alarm message	SLP12 Teach in SOS activation error
Cause	During „teach in“ the drive has operated (SOS error)
Remedy	When using the „teach in“ function, the drive must be off Check whether SOS has already actuated

<b>Alarm code</b>	<b>A 4901 / A 4902</b>
Alarm message	CCW and CW rotation monitoring SLI1 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI1 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 4903 / A 4904</b>
Alarm message	CCW and CW rotation monitoring SLI2 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI2 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4905 / A 4906</b>
Alarm message	CCW and CW rotation monitoring SLI3 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI3 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4907 / A 4908</b>
Alarm message	CCW and CW rotation monitoring SLI4 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI4 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4909 / A 4910</b>
Alarm message	CCW and CW rotation monitoring SLI5 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI5 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4911 / A 4912</b>
Alarm message	CCW and CW rotation monitoring SLI6 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI6 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4913 / A 4914</b>
Alarm message	CCW and CW rotation monitoring SLI7 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI7 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4915 / A 4916</b>
Alarm message	CCW and CW rotation monitoring SLI8 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI8 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4917 / A 4918</b>
Alarm message	CCW and CW rotation monitoring SLI9 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI9 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4919 / A 4920</b>
Alarm message	CCW and CW rotation monitoring SLI10 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI10 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4921 / A 4922</b>
Alarm message	CCW and CW rotation monitoring SLI11 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI11 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm Code</b>	<b>A 4923 / A 4924</b>
Alarm message	CCW and CW rotation monitoring SLI12 activated at the same time
Cause	Multiple activation CW (Clockwise) and CCW (Counter clockwise) input on function block SLI12 are activated simultaneously
Remedy	<ul style="list-style-type: none"> <li>• Check the logic of the SLI function blocks in the application program</li> <li>• Check the levels of the connected inputs for the application program</li> <li>• Analyse the input and logic signals using the device function block diagnosis</li> </ul>

<b>Alarm code</b>	<b>A 5001 / A 5002</b>
Alarm message	Test deactivation of digital inputs 1...14 faulty
Cause	Inputs are still active after deactivation
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Alarm code</b>	<b>A 5101 / A 5102</b>
Alarm message	Pulse fault EAE0.1
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5103 / A 5104</b>
Alarm message	Pulse fault EAE0.2
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5105 / A 5106</b>
Alarm message	Pulse fault EAE0.3
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5107 / A 5108</b>
Alarm message	Pulse fault EAE0.4
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5109 / A 5110</b>
Alarm message	Pulse fault EAE0.5
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5111 / A 5112</b>
Alarm message	Pulse fault EAE0.6
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5113 / A 5114</b>
Alarm message	Pulse fault EAE0.7
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5115 / A 5116</b>
Alarm message	Pulse fault EAE0.8
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5117 / A 5118</b>
Alarm message	Pulse fault EAE0.9
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5119 / A 5120</b>
Alarm message	Pulse fault EAE0.10
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5121 / A 5122</b>
Alarm message	Pulse fault EAE0.11
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5123 / A 5124</b>
Alarm message	Pulse fault EAE0.12
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5125 / A 5126</b>
Alarm message	Pulse fault EAE0.13
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5127 / A 5128</b>
Alarm message	Pulse fault EAE0.14
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5129 / A 5130</b>
Alarm message	Pulse fault EAE0.15
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5131 / A 5132</b>
Alarm message	Pulse fault EAE0.16
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5133 / A 5134</b>
Alarm message	Pulse fault EAE0.17
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5135 / A 5136</b>
Alarm message	Pulse fault EAE0.18
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5137 / A 5138</b>
Alarm message	Pulse fault EAE0.19
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5139 / A 5140</b>
Alarm message	Pulse fault EAE0.20
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5141 / A 5142</b>
Alarm message	Pulse fault EAE0.21
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5143 / A 5144</b>
Alarm message	Pulse fault EAE0.22
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5145 / A 5146</b>
Alarm message	Pulse fault EAE0.23
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5147 / A 5148</b>
Alarm message	Pulse fault EAE0.24
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5149 / A 5150</b>
Alarm message	Pulse fault EAE0.25
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5151 / A 5152</b>
Alarm message	Pulse fault EAE0.26
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5153 / A 5154</b>
Alarm message	Pulse fault EAE0.27
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5155 / A 5156</b>
Alarm message	Pulse fault EAE0.28
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5157 / A 5158</b>
Alarm message	Pulse fault EAE0.29
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5159 / A 5160</b>
Alarm message	Pulse fault EAE0.30
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5161 / A 5162</b>
Alarm message	Pulse fault EAE0.31
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5163 / A 5164</b>
Alarm message	Pulse fault EAE0.32
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5165 / A 5166</b>
Alarm message	Pulse fault EAE0.33
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5167 / A 5168</b>
Alarm message	Pulse fault EAE0.34
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>



<b>Alarm code</b>	<b>A 5169 / A 5170</b>
Alarm message	Pulse fault EAE0.35
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5171 / A 5172</b>
Alarm message	Pulse fault EAE0.36
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5173 / A 5174</b>
Alarm message	Pulse fault EAE0.37
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5175 / A 5176</b>
Alarm message	Pulse fault EAE0.38
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5177 / A 5178</b>
Alarm message	Pulse fault EAE0.39
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 5179 / A 5180</b>
Alarm message	Pulse fault EAE0.40
Cause	Unexpected status of pulse input
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> </ul>

<b>Alarm code</b>	<b>A 6001 / A 6002</b>
Alarm message	Diagnosis DI_Test fault IO-Board 1
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6003 / A 6004</b>
Alarm message	Diagnosis DI_Test fault IO-Board 2
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6005 / A 6006</b>
Alarm message	Diagnosis DI_Test fault IO-Board 3
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6007 / A 6008</b>
Alarm message	Diagnosis DI_Test fault IO-Board 4
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6009 / A 6010</b>
Alarm message	Diagnosis UDI fault IO-Board 1
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6011 / A 6012</b>
Alarm message	Diagnosis UDI fault IO-Board 2
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6013 / A 6014</b>
Alarm message	Diagnosis UDI fault IO-Board 3
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6015 / A 6016</b>
Alarm message	Diagnosis UDI fault IO-Board 4
Cause	Unexpected state of input barrier
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of digital inputs</li> <li>• Check configuration of digital inputs</li> <li>• Check power supply on IO board</li> </ul>

<b>Alarm code</b>	<b>A 6701 / A 6702</b>
Alarm message	Timeout fault MET
Cause	<ul style="list-style-type: none"> <li>• Input unit with time supervision faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the input unit</li> <li>• Check the type of the Input element</li> <li>• Input element faulty</li> </ul>

<b>Alarm code</b>	<b>A 6703 / A 6704</b>
Alarm message	Timeout fault MEZ
Cause	<ul style="list-style-type: none"> <li>• Two hand control unit with time supervision faulty</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring of the input unit</li> <li>• Check the type of the Input element</li> <li>• Input element faulty</li> </ul>

<b>Alarm Code</b>	<b>A 7401</b>
Alarm message	Master in alarm status. Slaves put on alert.
Cause	STOP / START request
Remedy	BUS reboot reset

<b>Alarm Code</b>	<b>A 7403 / A 7404</b>
Alarm message	Faulty transmission telegram from slave to master
Cause	Module change or STOP / START request
Remedy	BUS reboot reset

<b>Alarm Code</b>	<b>A 9101 / A 9102</b>
Alarm message	SDDC signature error master -> slave
Cause	Configuration bus communication error
Remedy	Enabling and disabling device

## 2.1 Fatal fault list SMX100

<b>Fatal Error Code</b>	<b>F 1001/ F 1002</b>
Fault message	Configuration data were loaded faultily into the supervision device
Cause	<ul style="list-style-type: none"> <li>• Connection fault during the download of the program</li> <li>• Transmission of wrong or incomplete binary file</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Send configuration data again</li> <li>• Check tooling connection</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 1003 / F1004</b>
Fault message	Configuration data for software version assembly group invalid!
Cause	Assembly group has been configured with a wrong software version of the programming interface.
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of the application software</li> <li>• Configured device with released application software</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 1007 / F1008</b>
Fault message	Device has not been programmed with the correct programming interface
Cause	<ul style="list-style-type: none"> <li>• A wrong device type was selected during programming</li> <li>• Binary data from different device type were used to send</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Select the correct device type before programming the device</li> <li>• Select the necessary device variant according to your hardware requirement</li> </ul>

<b>Fatal Error Code</b>	<b>F 1009</b>
Error message	Configured device variant does not match physical device.
Cause	<ul style="list-style-type: none"> <li>• A wrong device type was selected during programming</li> <li>• Binary data from different device type were used to send</li> </ul>
Error correction	<ul style="list-style-type: none"> <li>• Select the correct device type before programming the device</li> <li>• Select the necessary device variant according to your hardware requirement</li> </ul>

<b>Fatal Error Code</b>	<b>F 1307</b>
Error message	Error while erasing the configuration flash
Cause	<ul style="list-style-type: none"> <li>• -</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of the application software</li> <li>• Send the configuration again</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1311 / F1312</b>
Error message	Error while erasing the configuration flash
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of the application software</li> <li>• Send the configuration again</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1314</b>
Error message	Error while erasing the configuration flash
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of the application software</li> <li>• Send the configuration again</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1330</b>
Error message	I2C Bus error while writing to FRAM
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1401 / F 1402</b>
Error message	Test counter CRC config data
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1403 / F 1404</b>
Error message	CRC of configuration data invalid!
Cause	Configuration data transmitted incorrectly
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of the application software</li> <li>• Re-compile program</li> <li>• Re-transmit configuration to device</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 1406</b>
Error message	Incorrect boot
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Send the configuration again</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1407 / F 1408</b>
Error message	Config identifier not supported by hardware
Cause	<ul style="list-style-type: none"> <li>• Programming software does not support connected hardware</li> <li>• Error transmitting configuration</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check version of programming software</li> <li>• Check FW Version and Version of the application software</li> <li>• Re-Transmit configuration data</li> </ul>

<b>Fatal Error Code</b>	<b>F 1409 / F 1410</b>
Error message	CRC of PLC program invalid (AWL list)
Cause	<ul style="list-style-type: none"> <li>• Programming software does not support connected hardware</li> <li>• Error transmitting configuration</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check version of programming software</li> <li>• Check FW Version and Version of the application software</li> <li>• Re-Transmit configuration data</li> </ul>

<b>Fatal Error Code</b>	<b>F 1411 / F 1412</b>
Error message	Configuration data differences in System A and B
Cause	Error transmitting configuration
Remedy	<ul style="list-style-type: none"> <li>• Re-Transmit configuration data</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 1413 / F 1414</b>
Fault message	Error sequentially calculating the CRC's configuration data
Cause	Error configuration crc test length
Remedy	<ul style="list-style-type: none"> <li>• Re-Transmit configuration data</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 1501 / F 1502</b>
Error message	Firmware parameter CRC test counter
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1503 / F 1504</b>
Error message	Wrong firmware parameter CRC
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1505 / F 1506</b>
Error message	Error while sending firmware parameter to CPU B
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 1601 - F 1998</b>
Error message	Range check
Cause	<ul style="list-style-type: none"> <li>• Incompatible application software</li> <li>• Error when importing old layout on new application software</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of the application software</li> <li>• Check and correct faulty blocks inside application</li> <li>• Delete and reinsert faulty blocks inside function plan</li> <li>• Program device with originally shipped application software</li> </ul>

<b>Fatal Error Code</b>	<b>F 1601- F 1998</b>
Error message	<p>1601...1614: Configuration data SCA faulty.          1615...1629: Configuration data SSX faulty.          1630...1644: Configuration data SEL faulty.          1645...1659: Configuration data SLP faulty.          1660...1669: Configuration data SOS faulty.          1670...1679: Configuration data SLS faulty.          1680...1689: Configuration data SDI faulty.          1690...1699: Configuration data SAC faulty.          1700...1709: Configuration data SLI faulty.          1710...1719: Configuration data STO faulty.          1720...1729: Configuration data SSM faulty.          1730...1739: Configuration data SLT faulty.          1740...1749: Configuration data SREF faulty.          1750...1759: Configuration data SMX100 Master (I/O, Fastchannel) faulty.          1760...1769: Configuration data SMX100 Master EMU faulty.          1770...1794: Configuration data axis module (I/O, Fastchannel) faulty.          1795...1819: Configuration data axis module (axis data) faulty.          1820...1844: Configuration data axis module (encoder data) faulty.          1845...1859: Configuration data axis assembly (encoder scaling) faulty.          1860...1869: Configuration data I/O module faulty.          1870...1874: Configuration data analog module faulty.          1875...1884: Configuration data axis module (analog input) faulty.          1895...1904: Configuration data analog adder faulty.          1905...1924: Configuration data SDDC bus faulty.          1925...1934: Configuration data fieldbus faulty.          1935...1949: Configuration data FDataExchange faulty.          1950...1954: Configuration data LinkTable faulty.          1955...1959: Configuration data Device Descriptor faulty.          1960...1969: Configuration data Diagnosis faulty.          1970...1974: Configuration data PLC Timer faulty.          1975...1984: Configuration data PLC IL list faulty.          1985...1997: Configuration data DEM faulty.          1998...1999: Configuration data DeviceID and ConfigID faulty.</p>
Cause	Faulty range check of the configuration data
Remedy	Check configuration data and send again.

<b>Fatal Error Code</b>	<b>F 2001 / F 2002</b>
Error message	CRC of SPI cross communication CPU A-B wrong
Cause	Interference on SPI cross communication between both CPUs
Remedy	<ul style="list-style-type: none"> <li>• Check wiring on device</li> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 2003 / F 2004</b>
Error message	Timeout during transmission of configurations and firmware data
Cause	Interference on SPI cross communication between both CPUs
Remedy	<ul style="list-style-type: none"> <li>• Check wiring on device</li> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 2005</b>
Error message	Timeout cyclic cross communication
Cause	Interference on SPI cross communication between both CPUs
Remedy	<ul style="list-style-type: none"> <li>• Check wiring on device</li> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 2007</b>
Error message	Timeout synchronisation CPU B
Cause	Interference on SPI cross communication between both CPUs
Remedy	<ul style="list-style-type: none"> <li>• Check wiring on device</li> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 2009</b>
Error message	Timeout data transmission complementary channel
Cause	Interference on SPI cross communication between both CPUs
Remedy	<ul style="list-style-type: none"> <li>• Check wiring on device</li> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 2011</b>
Error message	Timeout synchronisation cycle start
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check wiring on device</li> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3001 / F 3002</b>
Error message	Ticker sync error
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check wiring on device</li> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>



<b>Fatal Error Code</b>	<b>F 3201 / F 3202</b>
Fault message	Processor voltage 2.5V outside defined range
Cause	<ul style="list-style-type: none"> <li>• Supply voltage for module not correct!</li> <li>• Component fault in module</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch device off/on.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3203</b>
Fault message	Supply voltage 24V module faulty.
Cause	<ul style="list-style-type: none"> <li>• Supply voltage for module not correct!</li> <li>• Component fault in module</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch device off/on.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3204</b>
Fault message	Internal supply voltage 5.7V faulty
Cause	<ul style="list-style-type: none"> <li>• Supply voltage for module not correct!</li> <li>• Component fault in module</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch device off/on.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3217 / F 3218</b>
Error message	Internal supply voltage 5V incorrect.
Cause	<ul style="list-style-type: none"> <li>• Supply voltage of assembly group incorrect!</li> <li>• Component error in assembly group</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch off/on device.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3237 / F 3238</b>
Error message	24V supply of outputs is faulty (IO device)
Cause	24V supply of outputs on IO device out of the tolerance range
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Power cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3239 / F 3240</b>
Error message	24V Supply voltage on IO-Board 1 incorrect
Cause	<ul style="list-style-type: none"> <li>• Supply voltage of assembly group incorrect!</li> <li>• Component error in assembly group</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch off/on device.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3241 / F 3242</b>
Error message	24V Supply voltage on IO-Board 2 incorrect
Cause	<ul style="list-style-type: none"> <li>• Supply voltage of assembly group incorrect!</li> <li>• Component error in assembly group</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch off/on device.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3243 / F 3244</b>
Error message	24V Supply voltage on IO-Board 3 incorrect
Cause	<ul style="list-style-type: none"> <li>• Supply voltage of assembly group incorrect!</li> <li>• Component error in assembly group</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch off/on device.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3245 / F 3246</b>
Error message	24V Supply voltage on IO-Board 4 incorrect
Cause	<ul style="list-style-type: none"> <li>• Supply voltage of assembly group incorrect!</li> <li>• Component error in assembly group</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check device supply voltage!</li> <li>• Switch off/on device.</li> </ul>

<b>Fatal Error Code</b>	<b>F 3603 / F 3604</b>
Fault message	Faulty switching of relay K1
Cause	Internal relay activation incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check environmental conditions of device</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3605 / F 3606</b>
Fault message	Faulty switching of relay K2
Cause	Internal relay activation incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check environmental conditions of device</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3609</b>
Fault message	Faulty switching of "0V" driver DO1_L
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3610</b>
Fault message	Faulty switching of "24V" driver DO1_H
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3611</b>
Fault message	Faulty switching of "0V" driver DO2_L
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3612</b>
Fault message	Faulty switching of "24V" driver DO2_H
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3613</b>
Fault message	Faulty switching of "0V" driver DO1_L
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3614</b>
Fault message	Faulty testing of "24V" driver DO1_H
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3615</b>
Fault message	Faulty testing of "0V" driver DO2_L
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3616</b>
Fault message	Faulty testing of "24V" driver DO2_H
Cause	Switching status output incorrect
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3617</b>
Error message	Incorrect switching power switch DO1_L
Cause	Wrong wiring on device
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3618</b>
Error message	Incorrect switching power switch DO1_H
Cause	Wrong wiring on device
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>
Error message	Internal error – please contact the manufacturer!

<b>Fatal Error Code</b>	<b>F 3619</b>
Error message	Incorrect switching power switch DO2_L
Cause	Wrong wiring on device
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3620</b>
Error message	Incorrect switching power switch DO2_H
Cause	Wrong wiring on device
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3621</b>
Error message	Incorrect switching of NO/NC contact relay K1
Cause	Wrong wiring on device
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3622</b>
Error message	Incorrect switching of NO/NC contact relay K2
Cause	Wrong wiring on device
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3623</b>
Error message	Incorrect switching of output main switch
Cause	<ul style="list-style-type: none"> <li>• Wrong wiring on device</li> <li>• Short circuit</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check output wiring of device</li> <li>• Check wiring for short circuit</li> <li>• Power Cycle</li> <li>• Replace Device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3623 / F 3625 / F3626</b>
Fault message	Internal Error Startup test slave module
Cause	Missing or faulty 24V power supply
Remedy	<ul style="list-style-type: none"> <li>• Check 24V power supply SMX100 master module</li> <li>• Check that all power connectors are connected</li> </ul>

<b>Fatal Error Code</b>	<b>F 3641 / F 3642</b>
Fault message	Internal Error Startup test master module REL
Cause	Missing or faulty 24V power supply
Remedy	<ul style="list-style-type: none"> <li>• Check 24V power supply SMX100 master module</li> <li>• Check that all power connectors are connected</li> <li>• Check input and output voltage</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3643 / F 3644</b>
Fault message	Internal Error Startup test master module EA1
Cause	Missing or faulty 24V power supply
Remedy	<ul style="list-style-type: none"> <li>• Check 24V power supply SMX100 master module</li> <li>• Check that all power connectors are connected</li> <li>• Check input and output voltage</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3645 / F 3646</b>
Fault message	Internal Error Startup test master module EA2
Cause	Missing or faulty 24V power supply
Remedy	<ul style="list-style-type: none"> <li>• Check 24V power supply SMX100 master module</li> <li>• Check that all power connectors are connected</li> <li>• Check input and output voltage</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3647 / F 3648</b>
Fault message	Internal Error Startup test master module EA3
Cause	Missing or faulty 24V power supply
Remedy	<ul style="list-style-type: none"> <li>• Check 24V power supply SMX100 master module</li> <li>• Check that all power connectors are connected</li> <li>• Check input and output voltage</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3649 / F 3650</b>
Fault message	Internal Error Startup test master module EA4
Cause	Missing or faulty 24V power supply
Remedy	<ul style="list-style-type: none"> <li>• Check 24V power supply SMX100 master module</li> <li>• Check that all power connectors are connected</li> <li>• Check input and output voltage</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3651 / F 3652</b>
Fault message	Internal Error Startup test master module HS
Cause	Missing or faulty 24V power supply
Remedy	<ul style="list-style-type: none"> <li>• Check 24V power supply SMX100 master module</li> <li>• Check that all power connectors are connected</li> <li>• Check input and output voltage</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3665 / F 3666</b>
Fault message	Static test loss of ground HighSide 2
Cause	<ul style="list-style-type: none"> <li>• Wrong wiring (short circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3667 / F 3668</b>
Fault message	Static test loss of ground HighSide 4
Cause	<ul style="list-style-type: none"> <li>• Wrong wiring (short circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3669 / F 3670</b>
Fault message	Dynamic test loss of ground HighSide 2
Cause	<ul style="list-style-type: none"> <li>• Wrong wiring (short circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3671 / F 3672</b>
Fault message	Dynamic test loss of ground HighSide 4
Cause	<ul style="list-style-type: none"> <li>• Wrong wiring (short circuit)</li> <li>• Hardware defect</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the wiring</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3701 / F 3702</b>
Error message	Error comparing process images CPU A – CPU B
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 3841 / F 3842</b>
Fault message	Faulty dynamic test of output EAAx.1
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3843 / F 3844</b>
Fault message	Faulty dynamic test of output EAAx.2
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3845 / F 3846</b>
Fault message	Faulty dynamic test of output EAAx.3
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3847 / F 3848</b>
Fault message	Faulty dynamic test of output EAAx.4
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3849 / F 3850</b>
Fault message	Faulty dynamic test of output EAAx.5
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3851 / F 3852</b>
Fault message	Faulty dynamic test of output EAAx.6
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3853 / F 3854</b>
Fault message	Faulty dynamic test of output EAAx.7
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3855 / F 3856</b>
Fault message	Faulty dynamic test of output EAAx.8
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3857 / F 3858</b>
Fault message	Faulty dynamic test of output EAAx.9
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3859 / F 3860</b>
Fault message	Faulty dynamic test of output EAAx.10
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3871 / F 3872</b>
Fault message	MainTrans EAAx.1 ... EAAx.6 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3873 / F3874</b>
Fault message	MainTrans EAAx.7... EAAx.10 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3891 / F 3892</b>
Fault message	MainTrans EAAx.01 ... EAAx.06 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3893 / F 3894</b>
Fault message	MainTrans EAAx.07 ... EAAx.10 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>



<b>Fatal Error Code</b>	<b>F 3971 / F 3972</b>
Fault message	MainTrans EAA11 ... EAA16 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3973 / F 3974</b>
Fault message	MainTrans EAA16 ... EAA20 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3975 / F 3976</b>
Fault message	MainTrans EAA11 ... EAA16 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3977 / F 3978</b>
Fault message	MainTrans EAA17 ... EAA20 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3981 / F 3982</b>
Fault message	MainTrans EAA21 ... EAA26 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3983 / F 3984</b>
Fault message	MainTrans EAA26 ... EAA30 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3985 / F 3986</b>
Fault message	MainTrans EAA21 ... EAA26 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3987 / F 3988</b>
Fault message	MainTrans EAA27 ... EAA30 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3991 / F 3992</b>
Fault message	MainTrans EAA31 ... EAA36 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3993 / F 3994</b>
Fault message	MainTrans EAA36 ... EAA40 static test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3995 / F 3996</b>
Fault message	MainTrans EAA31 ... EAA36 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 3997 / F 3998</b>
Fault message	MainTrans EAA37 ... EAA40 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 4501 / F 4502</b>
Alarm message	Incorrect calculation of brake ramp SSX
Cause	Calculation of brake ramp would lead to integer overflow. Incorrect configuration
Remedy	<ul style="list-style-type: none"> <li>• Check monitored sector and stopping distance</li> <li>• Check SSX configuration</li> <li>• Contact manufacturer</li> </ul>

<b>Fatal Error Code</b>	<b>F 4503 / F 4504</b>
Alarm message	Incorrect calculation of SSX limit ramp
Cause	Calculation of limit ramp would lead to integer overflow. Incorrect configuration
Remedy	<ul style="list-style-type: none"> <li>• Check monitored sector and stopping distance</li> <li>• Check SSX configuration</li> <li>• Contact manufacturer</li> </ul>

<b>Fatal Error Code</b>	<b>F 5202 / F 5203</b>
Fault message	Fault EAA0.11 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5204 / F 5205</b>
Fault message	Fault EAA0.12 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5206 / F 5207</b>
Fault message	Fault EAA0.13 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5208 / F 5209</b>
Fault message	Fault EAA0.14 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5210 / F 5211</b>
Fault message	Fault EAA0.15 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5212 / F 5213</b>
Fault message	Fault EAA0.16 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5214 / F 5215</b>
Fault message	Fault EAA0.17 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5216 / F 5217</b>
Fault message	Fault EAA0.18 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5218 / F 5219</b>
Fault message	Fault EAA0.19 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5220 / F 5221</b>
Fault message	Fault EAA0.20 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5222 / F 5223</b>
Fault message	Fault EAA0.21 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5224 / F 5225</b>
Fault message	Fault EAA0.22 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5226 / F 5227</b>
Fault message	Fault EAA0.23 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5228 / F 5229</b>
Fault message	Fault EAA0.24 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5230 / F 5231</b>
Fault message	Fault EAA0.25 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5232 / F 5233</b>
Fault message	Fault EAA0.26 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5234 / F 5235</b>
Fault message	Fault EAA0.27 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5236 / F 5237</b>
Fault message	Fault EAA0.28 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5238 / F 5239</b>
Fault message	Fault EAA0.29 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5240 / F 5241</b>
Fault message	Fault EAA0.30 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5242 / F 5243</b>
Fault message	Fault EAA0.31 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5244 / F 5245</b>
Fault message	Fault EAA0.32 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5246 / F 5247</b>
Fault message	Fault EAA0.33 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5248 / F 5249</b>
Fault message	Fault EAA0.34 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5250 / F 5251</b>
Fault message	Fault EAA0.35 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5252 / F 5253</b>
Fault message	Fault EAA0.36 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5254 / F 5255</b>
Fault message	Fault EAA0.37 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5256 / F 5257</b>
Fault message	Fault EAA0.38 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5258 / F 5259</b>
Fault message	Fault EAA0.39 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 5260 / F 5261</b>
Fault message	Fault EAA0.40 dynamic test
Cause	Short circuit of output with „24V“ or „0V“
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring for short circuits</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6705</b>
Fault message	Master switch status error
Cause	Invalid state while evaluating the master switch
Remedy	<ul style="list-style-type: none"> <li>• Check wiring of the outputs</li> <li>• Check the wiring of input elements</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6801 / F 6802</b>
Error message	Invalid PLC Op Code
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6803 / F 6804</b>
Error message	PLC processing
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6805 / F 6806</b>
Error message	PLC AWL
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6807 / F 6808</b>
Error message	PLC timer overflow
Cause	<ul style="list-style-type: none"> <li>• Incompatible application software</li> <li>• On or more PLC timer values are not multiples of the cycle time</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Check every PLC timer to be a multiple of 8ms</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6809 / F 6810</b>
Error message	Wrong PLC macro CRC
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6811 / F 6812</b>
Error message	Wrong PLC macro termination
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 6813 / F 6814</b>
Error message	PLC kernel raised a fatal error
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 7429 / F 7430</b>
Error message	Inconsistent Profisafe program run counter
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Re-transmit configuration</li> <li>• Check fieldbus connectivity of device</li> <li>• Power Cycle</li> </ul>



<b>Fatal Error Code</b>	<b>F 8205 / F 8206</b>
Error message	Maximum cycle length exceeded
Cause	Processing the application would exceed the maximum cycle time of the device
Remedy	<ul style="list-style-type: none"> <li>• Reduce the number of used PLC operands by simplifying your program</li> <li>• Remove unused blocks from application</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 8207 / F 8208</b>
Error message	Logical Program counter exceeds maximum
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Re-transmit configuration to device</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 8213 / F 8214</b>
Error message	Runtime overflow interrupt
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Re-transmit configuration to device</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 8221 / F 8222</b>
Error message	Maximum runtime complementary channel exceeded
Cause	Processing the application would exceed the maximum cycle time of the device
Remedy	<ul style="list-style-type: none"> <li>• Reduce the number of used PLC operands by simplifying your program</li> <li>• Remove unused blocks from application</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 8223 / F 8224</b>
Error message	Inconsistent logical Interrupt program counter
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Re-transmit configuration to device</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 8225 / F 8226</b>
Error message	Ticker sync error
Cause	<ul style="list-style-type: none"> <li>• Maximum runtime exceeded</li> <li>• Communication error with extension device (s)</li> </ul>
Remedy	<ul style="list-style-type: none"> <li>• Check the back pane bus connection</li> <li>• Reduce the number of used PLC operands by simplifying your program</li> <li>• Remove unused blocks from application</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 8227 / F 8228</b>
Error message	Maximum interrupt runtime complementary channel exceeded
Cause	Processing the application would exceed the maximum cycle time of the device
Remedy	<ul style="list-style-type: none"> <li>• Reduce the number of used PLC operands by simplifying your program</li> <li>• Remove unused blocks from application</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 9001 / F 9002</b>
Error message	CPU self test error
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9007 / F 9008</b>
Error message	CPU RAM test returned with error
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Check EMC requirements</li> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9009 / F 9010</b>
Error message	Firmware CRC mismatch
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9011 / F 9012</b>
Error message	Internal stack test returned with an error
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9013 / F 9014</b>
Error message	Error NVRAM test
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9015 / F 9016</b>
Error message	Error CPU RAM test
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9017 / F 9018</b>
Error message	Error CPU register test
Cause	-
Remedy	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9019 / F 9020</b>
Power Cycle	Switch default
Replace device	-
Power Cycle	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9021 / F 9022</b>
Power Cycle	Self-test Evaluation Software Variables
Replace device	-
Power Cycle	<ul style="list-style-type: none"> <li>• Power Cycle</li> <li>• Replace device</li> </ul>

<b>Fatal Error Code</b>	<b>F 9103 / F 9104</b>
Fault message	Network type for slave module undefined
Cause	Incorrect configuration of the network type
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Check every PLC timer to be a multiple of 8ms</li> <li>• Re-transmit configuration</li> <li>• Power Cycle</li> </ul>

<b>Fatal Error Code</b>	<b>F 9105/ F 9106</b>
Fault message	Incorrect pointer monitoring
Cause	Isolated pointer points to faulty memory area
Remedy	<ul style="list-style-type: none"> <li>• Check FW Version and Version of application software for compatibility</li> <li>• Power Cycle</li> </ul>