rexroth
A Bosch Company

Error list and diagnostic messages

ctrlX SAFETY

Compact safety controller

Devices SAFEX-C.12 / SAFEX-C.15

R911406843, DOK-XSAFE*-SAFEX-C.1XC-RE06-EN-P, Edition 06, Bosch Rexroth AG

The provided data is intended for product description purposes. If any information on product use is given, such information may only be viewed as application examples and suggestions. Catalog information does not constitute guaranteed properties. The information does not release users from the responsibility to perform their own assessments and tests. Our products are subject to a natural wear and aging process.

An example configuration is depicted on the title page. The delivered product may therefore differ from the depicted image.

The original manual was created in German.

Content

1 About this documentation

1.1 Editions

Table 1: Index of editions

Edition No.	Edition date	Changes	Edition No.
01	2020-12	01E	First edition
02	2021-04	02E	Update error numbers
03	2021-05	03E	Update error numbers
04	2021-09	04E	Update error numbers
05	2022-05	05E	Update error numbers
06	2023-02	06E	Update error numbers

1.2 Validity of the documentation

This documentation applies to the following products:

- R911175242 SAFEX-C.12
- R911175243 SAFEX-C.15

This documentation is intended for designers, installers, commissioning engineers, maintenance technicians, service technicians and waste disposal companies.

This documentation contains important information for the safe and proper installation, commissioning, operation, use, maintenance, independent troubleshooting of minor faults, disassembly and disposal of the product.
This manual contains instructions for technical staff of the machine manufacturer for safe mechanical and electrical installation and commissioning of the controller.
Required qualifications: Person who is able to assess the work assigned to them and identify potential risks on the basis of their professional training, knowledge and experience, as well as their knowledge of the relevant standards and regulations.

▶ Read this documentation in its entirety and pay particular attention to Section „1.3“, before working with the product.

1.2.1 Technical Status

This error list in valid for devices see above up to including:

Firmware version **1.0.1.45**
Hardware version **5**

In addition to chapter 17 in Installation manual for ctrlX SAFETY devices SAFEX-C.1* with ctrlX SAFETY Engineering DOK-XSAFE*-SAFEX-C.1XC-COxx-EN-P[2)] peripheral HW errors and configuration errors have been included in this version. Errors may also be included, which require a replacement of the device

1.3 Required and supplementary documentation

- Only commission the product after making sure that the documentation marked with the book symbol (🕮) is available and you have understood and observed it.

Table 2: Required and supplementary documentation

	Title	Document number	Document type
🕮	Operating instructions for ctrlX SAFETY SAFEX-C.1* devices with ctrlX SAFETY Engineering DOK-XSAFE*-SAFEX-C.1XC-ITxx-EN-P[1)]	R911405651	Operating instructions
🕮	Installation manual for ctrlX SAFETY devices SAFEX-C.1* with ctrlX SAFETY Engineering DOK-XSAFE*-SAFEX-C.1XC-COxx-EN-P[2)]	R911405649	Installation manual
🕮	Programming manual for ctrlX SAFETY SAFEX-C.1* devices with ctrlX SAFETY Engineering DOK-XSAFE*-SAFEX-C.1XC-PRxx-EN-P[2)]	R911405647	Programming manual
🕮	Application description for the integration of the ctrlX SAFETY SAFEX-C.1* devices in ctrlX AUTOMATION DOK-XSAFE*-SAFEX-C.1XC-APxx-EN-P [4)]	R911407750	Application description

1) ITxx: latest edition of operating instructions
2) PRxx: latest edition of programming manual
3) RExx: latest edition of error list / diagnostic messages
4) APxx: latest edition of application description in ctrlX AUTOMATION

1.4 Presentation of information

Uniform safety instructions, symbols, terms and abbreviations are used in this documentation to make working with your product quick and safe. For better understanding these are explained in the following sections.

1.4.1 Safety instructions

In this documentation, safety instructions precede action sequences in which there is a risk of personal injury or property damage. The described safety measures must be adhered to. Safety instructions are structured as follows:

⚠ SIGNAL WORD

Type and source of the danger
Consequences of non-compliance
- Safety measure
- <List>

- **Warning sign:** draws attention to the danger
- **Signal word:** indicates the severity of the danger
- **Type and source of danger:** identifies the type and source of the danger
- **Consequences:** describes the consequences of non-compliance
- **Protection:** indicates how to avert the danger

Table 3: Hazard classes according to ANSI Z535.6-2006

Warning sign, signal word	Meaning
⚠ DANGER	indicates a hazardous situation which, if not avoided, will result in death or serious injury
⚠ WARNING	indicates a hazardous situation which, if not avoided, could result in death or serious injury
⚠ CAUTION	indicates a hazardous situation which, if not avoided, could result in minor to moderate injury
NOTE	Indicates property damage: Damage to the product or the environment could occur.

1.4.2 Terms

The following terms are used in this documentation:

Table 4: Terms

Term	Meaning
AWL	Programming language instruction list
CCW	Counterclockwise
CoE	CANopen over EtherCAT
CPU	Central processing unit
CRC	Cyclic Redundancy Check
CW	Clockwise
DEM	Dynamic Encoder Muting
DIN_Test	Internal check of digital inputs
DO	Digital output
DPR	DualPortRAM
ECS	Encoder Control Supervisor, suppresses defects at Encoder-interface
EDM	External Device Monitoring
EMV	electro-magnetic compatibility
EOF	End of File
EOS	External Encoder Offset, Offset is safely adapted to the new conditions
FBUS	Fieldbus
FCE	Flexible CRC Engine
FDB	FSoE Disconnect block
FSoE	Fail safe over EtherCAT
FW	Firmware
GBox	Encoder box
HW	Hardware
ICS	Input Control Muting, Diagnostic muting of digital inputs suppresses defects at normal inputs
ID	Identifier
LPLZ	Logical Program run monitoring Main
LPLZI	Logical Program run monitoring Interrupt
PES	Programmable electrical controller
POR	Power Off Reset, Reset trough off- and onset of power supply
PPI	Interrupt Service Routine
SAC	Safe Analog Control, monitoring of an analog input
SCA	Safe Cam; generating of safe output signal while motor position is in a specified area
SDI	Safe digital input
SEL	Safe Emergency Limit, safe monitoring of minimum and maximum position / the authorized position range
SLA	Safe-Limited Acceleration
SLI	Safely-Limited Increment, compliance to specified Incremental Jog is monitored
SLP	Safely-Limited Position, the exceeding of position values is monitored
SLS	Safe-Limited Speed
SLT	Safely-Limited Torque, monitoring of torque/force limit value
SMMC	Safe Master-Master communication
SOS	Safe Operation Stop, monitoring: standstill with active motor
SREF	Safe referencing of distance encoder
SRP/CS	Safety related parts of control system
SRX	Safe reference status
SSM	Safe Speed Monitor, generating of safe output signal, while motor speed is lower than specified value
SSX	Safe Stop 1 or 2, monitoring of deceleration ramp and motor switch off after standstill (SS1) or monitoring of deceleration ramp and SOS after standstill (SS2). Conform to DIN EN 60204-1
STO	Safe Torque Off, safe torque switch off
Test-OV	Test Overvoltage internal voltages
Test-UV	Test Undervoltage internal voltages
TOC	Configuration file of device
UDI	Internal check voltage for checking of digital inputs

1.5 Error type

In principle, the ctrlX SAFETY controllers distinguish between the following types of errors:

Table 5: Error type

Error type	Meaning	Reaction to system	Reset condition
Fatal Error	Serious exception that makes further operation impossible for safety reasons.	All outputs are switched off! Safety functionality is stopped.	Power Off/Power On (POR) or Stop/Start of the device
Alarm	Functional error caused by external process. The safety integrity of the controller is not compromised.	All outputs are switched off!	Resettable by parameterizable input, F-Bus input, via button (SF40) or internal signal
Alarm Muting	A functional error occurred, however it was suppressed through the appropriate muting function (ECS/ACS/ICS).	ECS/ACS/ICS-Functional block delivers the result “0”	Reset trough parameterizable input with button (SF40) F-Bus input or internal signal
Info	Info logbook	Info logbook, additional information regarding device start/stop, user requirements and check ctrlX SAFETY^{link}-Error /-diagnostics [1)]	No reset required. Information only

1) More information regarding SAFETY^{link}-error can be found in chapter „4 ctrlX SAFETY^{link}-“

NOTE

Error type „Alarm Muting“
The same alarm codes as for „Alarm“ are being used.

1.6 Error display

Errors are being displayed over programming software ctrlX SAFETY Engineering-Software.

Error codes are constructed as following:

F, A or E Error code [1)], Information [2)]

F = Fatal Error

A = Alarm

E = Alarm Muting

Note 1) 4 decimal digits, odd Error code (System A) / even error code (System B)

Note 2) Information is displayed in 5 digits

Description of each Error follows this scheme:

Code	**Error Code System A / System B**
Alarm message	Short description
Cause	• Detail description, Cause possible cause
Remedy	• Troubleshooting suggestions, possible countermeasures, next steps Remedy • ...

1.7 Alarm muting

Several functions exist to mute alarm messages:

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

⚠ WARNING

Alarm muting

Suppressing an alarm using one of the muting functions can have a negative impact on the safety of the application

▶ Can only be done after evaluating the safety regulations!

▶ Solving the cause of the error must be preferred to muting the alarm cause

2 Alarm-List

Alarm Code	**A 1211 / A 1212**
Alarm message	New Configurationdata on SD card
Cause	Configuration file on SD card is different to the configuration file inside the device
Remedy	• After alarm reset the configuration file will be uploaded from SD card to the device • Check configuration data on SD card

Alarm Code	**A 1213 / A 1214**
Alarm message	New firmware update files on SD card
Cause	New valid firmware update file on SD card for this device
Remedy	• After alarm reset the new firmware file will be uploaded to the device • Check firmware update file + keyfile on SD card

Alarm Code	**A 3131 / A 3132**
Alarm message	I0.0: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3133 / A 3134**
Alarm message	I0.1: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3135 / A 3136**
Alarm message	I0.2: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3137 / A 3138**
Alarm message	I0.3: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3139 / A 3140**
Alarm message	I0.4: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3141 / A 3142**
Alarm message	I0.5: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3143 / A 3144**
Alarm message	I0.6: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3145 / A 3146**
Alarm message	I0.7: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3147 / A 3148**
Alarm message	I0.8: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3149 / A 3150**
Alarm message	I0.9: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3151 / A 3152**
Alarm message	I0.10: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3153 / A 3154**
Alarm message	I0.11: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3155 / A 3156**
Alarm message	I0.12: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3157 / A 3158**
Alarm message	I0.13: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3159 / A 3160**
Alarm message	I0.14: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3161 / A 3162**
Alarm message	I0.15: Active input signal
Cause	Voltage is applied at not configured input
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 3431 / A 3432**
Alarm message	Axis 1 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3433 / A 3434**
Alarm message	Axis 2 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3435 / A 3436**
Alarm message	Axis 3 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3437 / A 3438**
Alarm message	Axis 4 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3439 / A 3440**
Alarm message	Axis 5 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3441 / A 3442**
Alarm message	Axis 6 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3443 / A 3444**
Alarm message	Axis 7 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3445 / A 3446**
Alarm message	Axis 8 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3447 / A 3448**
Alarm message	Axis 9 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3449 / A 3450**
Alarm message	Axis 10 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3451 / A 3452**
Alarm message	Axis 11 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3453 / A 3454**
Alarm message	Axis 12 speed outside of range
Cause	Received speed outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3461 / A 3462**
Alarm message	Axis 1 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3463 / A 3464**
Alarm message	Axis 2 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3465 / A 3466**
Alarm message	Axis 3 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3467 / A 3468**
Alarm message	Axis 4 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3469 / A 3470**
Alarm message	Axis 5 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3471 / A 3472**
Alarm message	Axis 6 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3473/ A 3474**
Alarm message	Axis 7 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3475 / A 3476**
Alarm message	Axis 8 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3477 / A 3478**
Alarm message	Axis 9 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3479 / A 3480**
Alarm message	Axis 10 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3481 / A 3482**
Alarm message	Axis 11 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3483 / A 3484**
Alarm message	Axis 12 position outside of range
Cause	Received position outside of configured range
Remedy	• Check configuration of axis of FSoE Slave • Alarm can be muted by configuration (Pay attention to the breach of security!)

Alarm Code	**A 3601 / A 3602**
Alarm message	Relay K1: static check of relay activation
Cause	Relay feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3603 / A 3604**
Alarm message	Relay K2: static check of relay activation
Cause	Relay feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3607 / A 3608**
Alarm message	Relay K1: static check relay contact
Cause	Relay contact feedback does not align with expectation
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3609 / A 3610**
Alarm message	Relay K2: static check Relay contact
Cause	Relay contact feedback does not align with expectation
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3611 / A 3612**
Alarm message	Relay K2: static check relay contact
Cause	Relay contact feedback does not align with expectation
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3617 / A 3618**
Alarm message	Loside Q0.9_N: static check LoSide output
Cause	Output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3619 / A 3620**
Alarm message	Loside Q0.11_N: static check LoSide output
Cause	Output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3621 / A 3622**
Alarm message	Loside Q0.21_N: static check LoSide output
Cause	Output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3623 / A 3624**
Alarm message	Loside Q0.23_N: static check LoSide output
Cause	Output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3627 / A 3628**
Alarm message	HiSide Q0.8_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3629 / A 3630**
Alarm message	HiSide Q0.9_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3631 / A 3632**
Alarm message	HiSide Q0.10_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3633 / A 3634**
Alarm message	HiSide Q0.11_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3635 / A 3636**
Alarm message	HiSide Q0.20_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3637 / A 3638**
Alarm message	HiSide Q0.21_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3639 / A 3640**
Alarm message	HiSide Q0.22_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3641 / A 3642**
Alarm message	HiSide Q0.23_P: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3647 / A 3648**
Alarm message	Mainswitch MS0: static check supply voltage U_P to X31
Cause	Mainswitch feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3649 / A 3650**
Alarm message	Mainswitch MS1: static check supply voltage U_P to X33
Cause	Mainswitch feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3801 / A 3802**
Alarm message	Q0.0: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3803 / A 3804**
Alarm message	Q0.1: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3805 / A 3806**
Alarm message	Q0.2: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3807 / A 3808**
Alarm message	Q0.3: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3809 / A 3810**
Alarm message	Q0.4: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3811 / A 3812**
Alarm message	Q0.5: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3813 / A 3814**
Alarm message	Q0.6: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3815 / A 3816**
Alarm message	Q0.7: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3817 / A 3818**
Alarm message	Q0.16: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3819 / A 3820**
Alarm message	Q0.17: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3821 / A 3822**
Alarm message	Q0.18: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 3823 / A 3824**
Alarm message	Q0.19: static check digital output
Cause	Digital output feedback does not align with expectations
Remedy	• Check output wiring • Check output supply voltage

Alarm Code	**A 4001 / A 4002**
Alarm message	Monitoring function SD1: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4003 / A 4004**
Alarm message	Monitoring function SDI 2: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4601 / A 4602**
Alarm message	Monitoring function SLP 1: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4603 / A 4604**
Alarm message	Monitoring function SLP 2: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4605 / A 4606**
Alarm message	Monitoring function SLP 3: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4607 / A 4608**
Alarm message	Monitoring function SLP 4: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4609 / A 4610**
Alarm message	Monitoring function SLP 5: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4611 / A 4612**
Alarm message	Monitoring function SLP 6: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4613 / A 4614**
Alarm message	Monitoring function SLP 7: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4615 / A 4616**
Alarm message	Monitoring function SLP 8: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4901 / A 4902**
Alarm message	Monitoring function SLI 1: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 4903 / A 4904**
Alarm message	Monitoring function SLI 2: direction clearance in both directions
Cause	The direction dependent clearance was given for both directions at the same time.
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 5101 / A 5102**
Alarm message	I0.0: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5103 / A 5104**
Alarm message	I0.1: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5105 / A 5106**
Alarm message	I0.2: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5107 / A 5108**
Alarm message	I0.3: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5109 / A 5110**
Alarm message	I0.4: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5111 / A 5112**
Alarm message	I0.5: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5113 / A 5114**
Alarm message	I0.6: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5115 / A 5116**
Alarm message	I0.7: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5117 / A 5118**
Alarm message	I0.8: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5119 / A 5120**
Alarm message	I0.9: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5121 / A 5122**
Alarm message	I0.10: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5123 / A 5124**
Alarm message	I0.11: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5125 / A 5126**
Alarm message	I0.12: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5127 / A 5128**
Alarm message	I0.13: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5129 / A 5130**
Alarm message	I0.14: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5131 / A 5132**
Alarm message	I0.15: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5133 / A 5134**
Alarm message	I0.16: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5135 / A 5136**
Alarm message	I0.17: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5137 / A 5138**
Alarm message	I0.18: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5139 / A 5140**
Alarm message	I0.19: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5141 / A 5142**
Alarm message	I0.20: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5143 / A 5144**
Alarm message	I0.21: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5145 / A 5146**
Alarm message	I0.22: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5147 / A 5148**
Alarm message	I0.23: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5149 / A 5150**
Alarm message	I0.24: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5151 / A 5152**
Alarm message	I0.25: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5153 / A 5154**
Alarm message	I0.26: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5155 / A 5156**
Alarm message	I0.27: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5157 / A 5158**
Alarm message	I0.28: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5159 / A 5160**
Alarm message	I0.29: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5161 / A 5162**
Alarm message	I0.30: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 5163 / A 5164**
Alarm message	I0.31: Plausibility error for pulse x
Cause	Input voltage is not configured pulse x - voltage
Remedy	• Check configuration of digital input according to project and wiring scheme • Check wiring

Alarm Code	**A 6601 / A 6602**
Alarm message	Incorrect saving of cFlipFlop in FRAM
Cause	Cyclic saving of data in FRAM incorrect
Remedy	• Check voltage supply of unit • Check CFlipFlop configuration

Alarm Code	**A 6701 / A 6702**
Alarm message	Time monitored input element 1: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• Logic Check logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6703 / A 6704**
Alarm message	Time monitored input element 2: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6705 / A 6706**
Alarm message	Time monitored input element 3: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6707 / A 6708**
Alarm message	Time monitored input element 4: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6709 / A 6710**
Alarm message	Time monitored input element 5: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6711 / A 6712**
Alarm message	Time monitored input element 6: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6713 / A 6714**
Alarm message	Time monitored input element 7: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6715 / A 6716**
Alarm message	Time monitored input element 8: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6717 / A 6718**
Alarm message	Time monitored input element 9: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6719 / A 6720**
Alarm message	Time monitored input element 10: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6721 / A 6722**
Alarm message	Time monitored input element 11: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6723 / A 6724**
Alarm message	Time monitored input element 12: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnistics

Alarm Code	**A 6725 / A 6726**
Alarm message	Time monitored input element 13: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6727 / A 6728**
Alarm message	Time monitored input element 14: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6729 / A 6730**
Alarm message	Time monitored input element 15: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6731 / A 6732**
Alarm message	Time monitored input element 16: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6733 / A 6734**
Alarm message	Time monitored input element 17: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6735 / A 6736**
Alarm message	Time monitored input element 18: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6737 / A 6738**
Alarm message	Time monitored input element 19: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6739 / A 6740**
Alarm message	Time monitored input element 20: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6741 / A 6742**
Alarm message	Time monitored input element 21: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6743 / A 6744**
Alarm message	Time monitored input element 22: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6745 / A 6746**
Alarm message	Time monitored input element 23: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6747 / A 6748**
Alarm message	Time monitored input element 24: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6749 / A 6750**
Alarm message	Time monitored input element 25: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6751 / A 6752**
Alarm message	Time monitored input element 26: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6753 / A 6754**
Alarm message	Time monitored input element 27: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6755 / A 6756**
Alarm message	Time monitored input element 28: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6757 / A 6758**
Alarm message	Time monitored input element 29: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6759 / A 6760**
Alarm message	Time monitored input element 30: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6761 / A 6762**
Alarm message	Time monitored input element 31: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6763 / A 6764**
Alarm message	Time monitored input element 32: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6765 / A 6766**
Alarm message	Time monitored input element 33: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6767 / A 6768**
Alarm message	Time monitored input element 34: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6769 / A 6770**
Alarm message	Time monitored input element 35: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6771 / A 6772**
Alarm message	Time monitored input element 36: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6773 / A 6774**
Alarm message	Time monitored input element 37: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6775 / A 6776**
Alarm message	Time monitored input element 38: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6777 / A 6778**
Alarm message	Time monitored input element 39: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6779 / A 6780**
Alarm message	Time monitored input element 40: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6781 / A 6782**
Alarm message	Time monitored input element 41: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6783 / A 6784**
Alarm message	Time monitored input element 42: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6785 / A 6786**
Alarm message	Time monitored input element 43: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6787 / A 6788**
Alarm message	Time monitored input element 44: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6789 / A 6790**
Alarm message	Time monitored input element 45: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6791 / A 6792**
Alarm message	Time monitored input element 46: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6793 / A 6794**
Alarm message	Time monitored input element 47: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6795 / A 6796**
Alarm message	Time monitored input element 48: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6797 / A 6798**
Alarm message	Time monitored input element 49: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6799 / A 6800**
Alarm message	Time monitored input element 50: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6801 / A 6802**
Alarm message	Time monitored input element 51: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6803 / A 6804**
Alarm message	Time monitored input element 52: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6805 / A 6806**
Alarm message	Time monitored input element 53: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6807 / A 6808**
Alarm message	Time monitored input element 54: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6809 / A 6810**
Alarm message	Time monitored input element 55: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6811 / A 6812**
Alarm message	Time monitored input element 56: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6813 / A 6814**
Alarm message	Time monitored input element 57: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6815 / A 6816**
Alarm message	Time monitored input element 58: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6817 / A 6818**
Alarm message	Time monitored input element 59: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6819 / A 6820**
Alarm message	Time monitored input element 60: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6821 / A 6822**
Alarm message	Time monitored input element 61: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6823 / A 6824**
Alarm message	Time monitored input element 62: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6825 / A 6826**
Alarm message	Time monitored input element 63: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 6827 / A 6828**
Alarm message	Time monitored input element 64: Invalid condition
Cause	The time monitored input element is in invalid condition. The condition of inputs was not as configured for longer than 3 seconds (ambivalent or antivalent).
Remedy	• logicCheck logic wiring of functional blocks in application program • Check input wiring • logicAnalyse input and logic wiring with device diagnostics

Alarm Code	**A 7601 / A 7602**
Alarm message	Invalid FSoE command Master
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7603 / A 7604**
Alarm message	Unknown FSoE command Master
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7605 / A 7606**
Alarm message	Invalid Connection ID FSoE Slave
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7607 / A 7608**
Alarm message	Invalid FSoE data CRC
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7609 / A 7610**
Alarm message	FSoE Watchdog expired
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7611 / A 7612**
Alarm message	Invalid FSoE Slave address
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7613 / A 7614**
Alarm message	Invalid FSoE process data
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7615 / A 7616**
Alarm message	Invalid FSoE parameter length
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7617 / A 7618**
Alarm message	Invalid FSoE Watchdog time
Cause	Faulty FSoE Master/Slave configuration Faulty FSoE Master/Slave configuration
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7619 / A 7620**
Alarm message	Invalid FSoE parameter data length application
Cause	Faulty FSoE Master/Slave configuration
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7621 / A 7622**
Alarm message	Invalid FSoE parameter data application
Cause	Faulty FSoE Master/Slave configuration
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7631 / A 7632**
Alarm message	Faulty FSoE Master stack processing
Cause	FSoE Master/Slave communication errors
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

Alarm Code	**A 7633 / A 7634**
Alarm message	Invalid FSoE Master instance
Cause	Faulty FSoE Master/Slave configuration
Remedy	• Check FSoE Slave devices communication • Examination of FSoE Slave Devices

3 Fatal Error-List

Fatal Error Code	**F 1001 / F 1002**
Alarm message	Faulty TOC (Table of Configuration) initialization
Cause	The configuration data was not correctly readable from TOC
Remedy	• Make sure, a compatible programming software was used • Check connection stability to the unit • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1003 / F 1004**
Alarm message	Different configuration of both CPUs
Cause	The CRCs of TOC in both CPUs differ.
Remedy	• Make sure, a compatible programming software was used • Check connection stability to the unit • Send the configuration to the unit again • Make sure a previous firmware update was completed successfully. • Power Cycle

Fatal Error Code	**F 1005 / F 1006**
Alarm message	Invalid CRC of configuration
Cause	The CRC on the configuration is inconsistent. An invalid or wrong configuration was transferred or the transfer was not completed successfully.
Remedy	• Make sure, a compatible programming software was used • Check connection stability to the unit • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1007 / F 1008**
Alarm message	Invalid DeviceID within the configuration
Cause	The configuration is not suitable for the device.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1011 / F 1012**
Alarm message	Configuration doesn’t include device description
Cause	The configuration is not suitable for the device.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1013 / F 1014**
Alarm message	Invalid device description in configuration
Cause	The configuration is not suitable for the device.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1015 / F 1016**
Alarm message	Configuration includes more than one device description
Cause	The configuration is not suitable for the device.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1017 / F 1018**
Alarm message	Invalid routing of the functional inputs
Cause	The functional inputs can be routed via primary or secondary interface
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1101 / F 1102**
Alarm message	Firmware Parameter invalid
Cause	The CRC of the Firmware parameters is invalid.
Remedy	• Power Cycle • Replace device, if error displays permanently

Fatal Error Code	**F 1301 / F 1302**
Alarm message	AWL check: unknown identifier
Cause	The PLC program includes a unknown identifier
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1303 / F 1304**
Alarm message	AWL check: no AWL program
Cause	There is no AWL program included in the configuration.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1305 / F 1306**
Alarm message	AWL check: activation
Cause	The AWL structure includes invalid data.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1307 / F 1308**
Alarm message	AWL check: program too big.
Cause	Length of AWL program exceeds maximum.
Remedy	• Reduce the amount of elements in the functional scheme • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1309 / F 1310**
Alarm message	AWL check: EOF ID missing
Cause	The AWL program has no „end-of-file“ ID.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1311 / F 1312**
Alarm message	AWL check: invalid command
Cause	The AWL program contains an invalid AWL command.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1313 / F 1314**
Alarm message	AWL check: Faulty AWL command
Cause	The AWL program contains command outside if its length.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1315 / F 1316**
Alarm message	AWL check: Invalid decrementer
Cause	The decrementer of one or more AWL commands is invalid.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1317 / F 1318**
Alarm message	AWL check: AWL command unknown
Cause	One AWL identifier of one command within the AWL program exceeds the maximum
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1319 / F 1320**
Alarm message	AWL check: Invalid AWL macro
Cause	The command order of one or more AWL macros is invalid.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1321 / F 1322**
Alarm message	AWL check: Open AWL macro
Cause	One AWL macro does not include end ID
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1325 / F 1326**
Alarm message	Device check: Invalid cycle time
Cause	The configured cycle time is not 4ms.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1331 / F 1332**
Alarm message	Configuration check: Invalid input configuration
Cause	The configuration of inputs is invalid.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1333 / F 1334**
Alarm message	Configuration check: Invalid alarm reset configuration
Cause	The alarm reset configuration is invalid.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1335 / F 1336**
Alarm message	Configuration check: Maximum amount if alarm resets was exceeded
Cause	Mora than one alarm reset was configured
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1341 / F 1342**
Alarm message	Range check SLS: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1343 / F 1344**
Alarm message	Range check SLS: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1345 / F 1346**
Alarm message	Range check SLS: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1347 / F 1348**
Alarm message	Range check SLS: Mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1349 / F 1350**
Alarm message	Range check SLS: Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1351 / F 1352**
Alarm message	Range check SLS: SSX Index
Cause	The configuration entry exceeds the permitted range. The configured SSX for monitoring the deceleration ramp was not found.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1353 / F 1354**
Alarm message	Range check SLS: Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1355 / F 1356**
Alarm message	Range check SLS: SSX Speed
Cause	The configuration entry exceeds the permitted range. The SSX for monitoring the deceleration ramp was configured, but the speed monitoring in the assigned SLS in inactive.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1361 / F 1362**
Alarm message	Range check SDI: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1363 / F 1364**
Alarm message	Range check SDI: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1365 / F 1366**
Alarm message	Range check SDI: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1367 / F 1368**
Alarm message	Range check SDI: Mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1369 / F 1370**
Alarm message	Range check SDI: Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again Power Cycle

Fatal Error Code	**F 1371 / F 1372**
Alarm message	Range check SDI: Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1381 / F 1382**
Alarm message	Range check SCA: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1383 / F 1384**
Alarm message	Range check SCA: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1385 / F 1386**
Alarm message	Range check SCA: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1387 / F 1388**
Alarm message	Range check SCA: Mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1389 / F 1390**
Alarm message	Range check SCA: Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1391 / F 1392**
Alarm message	Range check SCA: minimum Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1393 / F 1394**
Alarm message	Range check SCA: Maximum Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1395 / F 1396**
Alarm message	Range check SCA: Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1397 / F 1398**
Alarm message	Range check SCA: Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1399 / F 1400**
Alarm message	Range check SCA: Direction
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1401 / F 1402 (Intern)**
Alarm message	Range check SCA: SEL Assignment
Cause	The configuration entry exceeds the permitted range. The selected SEL for the stop position is not projected.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1403 / F 1404**
Alarm message	Range check SCA: SLP Assignment
Cause	The configuration entry exceeds the permitted range. The selected SLP for the stop position is not projected.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1405 / F 1406**
Alarm message	Range check SCA: SEL Position
Cause	The configuration entry exceeds the permitted range. The selected SEL for the stop position is not projected.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1407 / F 1408**
Alarm message	Range check SCA: SLP Position
Cause	The configuration entry exceeds the permitted range. The selected SLP for the stop position is not projected.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1409 / F 1410**
Alarm message	Range check SCA: Overspeed
Cause	The configuration entry exceeds the permitted range. The maximum acceleration for the line integral of the overspeed is < 0.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1411 / F 1412**
Alarm message	Range check SEL: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1413 / F 1414**
Alarm message	Range check SEL: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1415 / F 1416**
Alarm message	Range check SEL: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1417 / F 1418**
Alarm message	Range check SEL: Curve Type (S-curve or linear)
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1419 / F 1420**
Alarm message	Range check SEL: Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1421 / F 1422**
Alarm message	Range check SEL: minimum Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1423 / F 1424**
Alarm message	Range check SEL: Maximum Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1425 / F 1426**
Alarm message	Range check SEL: Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1427 / F 1428**
Alarm message	Range check SEL: Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1429 / F 1430**
Alarm message	Range check SEL: S-Ramp Ruck
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1431 / F 1432**
Alarm message	Range check SEL: S-Ramp Latency
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1441 / F 1442**
Alarm message	Range check SLP: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1443 / F 1444**
Alarm message	Range check SLP: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1445 / F 1446**
Alarm message	Range check SLP: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1447 / F 1448**
Alarm message	Range check SLP: Curve
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1449 / F 1450**
Alarm message	Range check SLP: Mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1451 / F 1452**
Alarm message	Range check SLP: Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1453 / F 1454**
Alarm message	Range check SLP: Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1455 / F 1456**
Alarm message	Range check SLP: Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1457 / F 1458**
Alarm message	Range check SLP: S-Ramp Jerk
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1459 / F 1460**
Alarm message	Range check SLP: S-Ramp Latency
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1471 / F 1472**
Alarm message	Range check SOS: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1473 / F 1474**
Alarm message	Range check SOS: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1475 / F 1476**
Alarm message	Range check SOS: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1477 / F 1478**
Alarm message	Range check SOS: Mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1479 / F 1480**
Alarm message	Range check SOS: Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1481 / F 1482**
Alarm message	Range check SOS: Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1483 / F 1484**
Alarm message	Range check SOS: Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1501 / F 1502**
Alarm message	Range check SLI: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1503 / F 1504**
Alarm message	Range check SLI: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again Power Cycle

Fatal Error Code	**F 1505 / F 1506**
Alarm message	Range check SLI: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1507 / F 1508**
Alarm message	Range check SLI: Limit
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1509 / F 1510**
Alarm message	Range check SLI: Increment
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1521 / F 1522**
Alarm message	Range check SSX: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1523 / F 1524**
Alarm message	Range check SSX: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1525 / F 1526**
Alarm message	Range check SSX: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1527 / F 1528**
Alarm message	Range check SSX: Type
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1529 / F 1530**
Alarm message	Range check SSX: Curve
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1531 / F 1532**
Alarm message	Range check SSX: Ramp Latency
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1533 / F 1534**
Alarm message	Range check SSX: Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1535 / F 1536**
Alarm message	Range check SSX: Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1537 / F 1538**
Alarm message	Range check SSX: S-Ramp Jerk
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1541 / F 1542**
Alarm message	Range check SLA: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1543 / F 1544**
Alarm message	Range check SLA: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1545 / F 1546**
Alarm message	Range check SLA: Speed Difference Threshold
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1547 / F 1548**
Alarm message	Range check SLA: Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1549 / F 1550**
Alarm message	Range check SLA: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1551 / F 1552**
Alarm message	EOS: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1553 / F 1554**
Alarm message	EOS: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1555 / F 1556**
Alarm message	EOS: Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1557 / F 1558**
Alarm message	EOS: Axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1561 / F 1562**
Alarm message	Range check SRX: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1563 / F 1564**
Alarm message	Range check SRX: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1565 / F 1566**
Alarm message	Range check SRX: Reference Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1567 / F 1568**
Alarm message	Range check SRX: Reference Tolerance
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1571 / F 1572**
Alarm message	Range check EDM: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1573 / F 1574**
Alarm message	Range check EDM: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1575 / F 1576**
Alarm message	Range check EDM: Switch-On Delay
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1577 / F 1578**
Alarm message	Range check EDM: Switch-Off Delay
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1581 / F 1582**
Alarm message	Range check SAC: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1583 / F 1584**
Alarm message	Range check SAC: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1585 / F 1586**
Alarm message	Range check SAC: Lower Limit
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1587 / F 1588**
Alarm message	Range check SAC: Upper Limit
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1589 / F 1590**
Alarm message	Range check SAC: Limit Hysteresis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1591 / F 1592**
Alarm message	Range check SAC: Source
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1593 / F 1594**
Alarm message	Range check SAC: Mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1601 / F 1602**
Alarm message	Range check SMMC: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1603 / F 1604**
Alarm message	Range check SMMC: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1605 / F 1606**
Alarm message	Range check SMMC: Cycle time
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1607 / F 1608**
Alarm message	Range check SMMC: Timeout
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1609 / F 1610**
Alarm message	Range check SMMC: Cycle Time/Timeout Consistency
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1611 / F 1612**
Alarm message	Range check SMMC: Local Address
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1613 / F 1614**
Alarm message	Range check SMMC: Device
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1615 / F 1616**
Alarm message	Range check SMMC: Port Settings
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1617 / F 1618**
Alarm message	Range check SMMC: Source (routing) SMMC connection
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1621 / F 1622**
Alarm message	Range check AWL timer: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1623 / F 1624**
Alarm message	Range check AWL timer: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1625 / F 1626**
Alarm message	Range check AWL timer: Mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1627 / F 1628**
Alarm message	Range check AWL timer: Value
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1631 / F 1632**
Alarm message	Range check Axis: Count
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1633 / F 1634**
Alarm message	Range check Axis: Modes
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1635 / F 1636**
Alarm message	Range check Axis: AxisCfgId
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1637 / F 1638**
Alarm message	Range check Axis: Sector Low
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1639 / F 1640**
Alarm message	Range check Axis: Sector High
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1641 / F 1642**
Alarm message	Range check Axis: Encoder Delay
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1643 / F 1644**
Alarm message	Range check Axis: Encoder Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1645 / F 1646**
Alarm message	Range check Axis: Encoder Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1647 / F 1648**
Alarm message	Range check Axis: Filter
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1649 / F 1650**
Alarm message	Range check Axis: Max Acceleration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1651 / F 1652**
Alarm message	Range check Axis: Factor Pos
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1653 / F 1654**
Alarm message	Range check Axis: Factor Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1655 / F 1656**
Alarm message	Range check Axis: Maximum Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1657 / F 1658**
Alarm message	Range check Axis: Cutoff Threshold Position
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1659 / F 1660**
Alarm message	Range check Axis: Cutoff Threshold Speed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1661 / F 1662**
Alarm message	Range check Axis: Unit
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1663 / F 1664**
Alarm message	Range check Encoder: Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1665 / F 1666**
Alarm message	Range check Encoder: Modes
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1667 / F 1668**
Alarm message	Range check Encoder: Supply Voltage
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1669 / F 1670**
Alarm message	Range check Encoder: NormPos
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	F 1671 / F 1672
Alarm message	Range check Encoder: NormSpeed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	F 1673 / F 1674
Alarm message	Range check Encoder: ShiftPos
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	F 1675 / F 1676
Alarm message	Range check Encoder: ShiftSpeed
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	F 1677 / F 1678
Alarm message	Range check Encoder: Resolution
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	F 1679 / F 1680
Alarm message	Range check Encoder: Data Length
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	F 1681 / F 1682
Alarm message	Range check Encoder: Frame Length
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1683 / F 1684**
Alarm message	Range check Axis: Bitlen Speed/SPosition Index 0
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1685 / F 1686**
Alarm message	Range check Axis: Startbit Speed/SPosition Index 0
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1687 / F 1688**
Alarm message	Range check Axis: Bitlen Speed/SPosition Index 01
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1689 / F 1690**
Alarm message	Range check Axis: Startbit Speed/SPosition Index 1
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1691 / F 1692**
Alarm message	Range check Axis: Encoder Alarm Muting
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1701 / F 1702**
Alarm message	TOC Management: Invalid Encoder configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1703 / F 1704**
Alarm message	TOC Management: Invalid Axis configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1705 / F 1706**
Alarm message	TOC Management: Invalid I/O configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1707 / F 1708**
Alarm message	TOC Management: Invalid SLS configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1709 / F 1710**
Alarm message	TOC Management: Number of SLS instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1711 / F 1712**
Alarm message	TOC Management: Invalid SDI configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1713 / F 1714**
Alarm message	TOC Management: Number of SDI instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1715 / F 1716**
Alarm message	TOC Management: Invalid SCA configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1717 / F 1718**
Alarm message	TOC Management: Number of SCA instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1719 / F 1720**
Alarm message	TOC Management: Invalid SEL configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1721 / F 1722**
Alarm message	TOC Management: Number of SEL instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1723 / F 1724**
Alarm message	TOC Management: Invalid SLP configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1725 / F 1726**
Alarm message	TOC Management: Number of SLP instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1727 / F 1728**
Alarm message	TOC Management: Invalid SOS configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1729 / F 1730**
Alarm message	TOC Management: Number of SOS instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1731 / F 1732**
Alarm message	TOC Management: Invalid SLI configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1733 / F 1734**
Alarm message	TOC Management: Number of SLI instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1735 / F 1736**
Alarm message	TOC Management: Invalid SSX configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1737 / F 1738**
Alarm message	TOC Management: Number of SSX instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1739 / F 1740**
Alarm message	TOC Management: Invalid SLA configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1741 / F 1742**
Alarm message	TOC Management: Number of SLA instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1743 / F 1744**
Alarm message	TOC Management: Invalid EOS configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1745 / F 1746**
Alarm message	TOC Management: Number of EOS instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1747 / F 1748**
Alarm message	TOC Management: Invalid EDM configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1749 / F 1750**
Alarm message	TOC Management: Number of EDM instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1751 / F 1752**
Alarm message	TOC Management: Invalid SMMC configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1753 / F 1754**
Alarm message	TOC Management: Number of SMMC instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1755 / F 1756**
Alarm message	TOC Management: Invalid SRX configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1757 / F 1758**
Alarm message	TOC Management: Number of SRX instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1759 / F 1760**
Alarm message	TOC Management: Invalid SAC configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1761 / F 1762**
Alarm message	TOC Management: Number of SAC instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1763 / F 1764**
Alarm message	TOC Management: Invalid AWL Timer configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1765 / F 1766**
Alarm message	TOC Management: Number of AWL Timer instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1771 / F 1772**
Alarm message	TOC Management: Invalid zone bus configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1773 / F 1774**
Alarm message	TOC Management: Number of zone bus configurations instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1779 / F 1780**
Alarm message	TOC Management: Invalid cBool configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1781 / F 1782**
Alarm message	TOC Management: Number of cBool configurations instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1783 / F 1784**
Alarm message	TOC Management: Invalid Restart Block configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1785 / F 1786**
Alarm message	TOC Management: Number of Restart Block configurations instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1787 / F 1788**
Alarm message	TOC Management: Invalid cFlipFlop configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1789 / F 1790**
Alarm message	TOC Management: Number of cFlipFlop configurations instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1791 / F 1792**
Alarm message	TOC Management: Invalid FDB configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1793 / F 1794**
Alarm message	TOC Management: Number of FDB configurations instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1795 / F 1796**
Alarm message	TOC Management: Invalid MPM configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1797 / F 1798**
Alarm message	TOC Management: Number of MPM configurations instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1801 / F 1802**
Alarm message	Encoder runtime check: Factor NormPos is 0
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1803 / F 1804**
Alarm message	Encoder runtime check: Invalid Encoder type
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1805 / F 1806**
Alarm message	Encoder runtime check: Negative Shift
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1807 / F 1808**
Alarm message	Encoder runtime check: Invalid AxisCfgId (Encoder combination not supported)
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1861 / F 1862**
Alarm message	Range check : Output type faulty
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1863 / F 1864**
Alarm message	Range check: Setting Hiside or Hi/lo combination faulty
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1865 / F 1866**
Alarm message	Range check: SIL level faulty
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1867 / F 1868**
Alarm message	Range check: Activation source/Fastchannel faulty
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1869 / F 1870**
Alarm message	Range check: OSSD check pulse faulty
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1871 / F 1872**
Alarm message	Range check OSSD test period faulty
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1901 / F 1902**
Alarm message	Range check cBool: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1903 / F 1904**
Alarm message	Range check cBool: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1905 / F 1906**
Alarm message	Range check cBool: Invalid mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1911 / F 1912**
Alarm message	Range check cFlipFlop: ClassID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1913 / F 1914**
Alarm message	Range check cFlipFlop: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1915 / F 1916**
Alarm message	Range check cFlipFlop: Invalid mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1917 / F 1918**
Alarm message	Range check cFlipFlop: Mode not supported
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1921 / F 1922**
Alarm message	Range check Restart Block: ClassID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1923 / F 1924**
Alarm message	Range check Restart Block: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1925 / F 1926**
Alarm message	Range check Restart Block: Invalid mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1927 / F 1928**
Alarm message	Range check Restart Block: Invalid timeout value
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1931 / F 1932**
Alarm message	Range check FDB: Class ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1933 / F 1934**
Alarm message	Range check FDB: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1935 / F 1936**
Alarm message	Range check FDB: FSoE Slave address invalid
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1937 / F 1938**
Alarm message	Range check FDB: Slave address twice
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1939 / F 1940**
Alarm message	Range check FDB: Invalid timeout value
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1941 / F 1942**
Alarm message	Range check MPM: ClassID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1943 / F 1944**
Alarm message	Range check MPM: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1945 / F 1946**
Alarm message	Range check MPM: Invalid mode
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1947 / F 1948**
Alarm message	Range check MPM: Invalid axis number
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1949 / F 1950**
Alarm message	Range check MPM: Invalid axis type
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1951 / F 1952**
Alarm message	Range check MPM: Invalid position factor master axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1953 / F 1954**
Alarm message	Range check MPM: Invalid length of master axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1955 / F 1956**
Alarm message	Range check MPM: Invalid axis number Slave axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1957 / F 1958**
Alarm message	Range check MPM: Invalid tolerance value slave axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1959 / F 1960**
Alarm message	Range check MPM: Invalid position factor slave axis
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1961 / F 1962**
Alarm message	Range check MPM: Invalid ratio numerator
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1963 / F 1964**
Alarm message	Range check MPM: Invalid ratio denominator
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 1965 / F 1966**
Alarm message	Range check MPM: Invalid position offset
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2001 / F 2002**
Alarm message	Invalid DPR Image CRC
Cause	The checksum of the cyclical data connection of both CPUS's was invalid.
Remedy	• Make sure the EMV and environmental conditions are being fulfilled • Make sure the previous firmware update was completed successfully. • Power Cycle • Replace device

Fatal Error Code	**F 2003 / F 2004**
Alarm message	Invalid DPR Ticker
Cause	The process counter (Ticker) was different in both CPUs
Remedy	• Make sure the EMV and environmental conditions are being fulfilled • Make sure the previous firmware update was completed successfully. • Power Cycle • Replace device

Fatal Error Code	**F 2005 / F 2006**
Alarm message	Timeout at DPR Handshake
Cause	DPR exchange wasn't possible due to a timeout.
Remedy	• Make sure the EMV and environmental conditions are being fulfilled • Make sure the previous firmware update was completed successfully. • Power Cycle • Replace device

Fatal Error Code	**F 2007 / F 2008**
Alarm message	Invalid operating status of the complementary CPU (DPR Main State)
Cause	The operating status of the both CPUs is different
Remedy	• Make sure the EMV and environmental conditions are being fulfilled • Make sure the previous firmware update was completed successfully. • Power Cycle • Replace device

Fatal Error Code	**F 2009 / F 2010**
Alarm message	Invalid DPR ID
Cause	The ID in the DPR Image is invalid.
Remedy	• Make sure the EMV and environmental conditions are being fulfilled • Make sure the previous firmware update was completed successfully. • Power Cycle • Replace device

Fatal Error Code	**F 2011 / F 2012**
Alarm message	Invalid DPR length
Cause	The DPR image length is invalid or mismatches.
Remedy	• Make sure the EMV and environmental conditions are being fulfilled • Make sure the previous firmware update was completed successfully. • Power Cycle • Replace device

Fatal Error Code	**F 2245 / F 2246**
Alarm message	AWL Fastchannel check: Unknown identifier
Cause	The PLC Fastchannel Program includes an unknown identifier.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2247 / F 2248**
Alarm message	AWL Fastchannel check: No AWL Fastchannel program
Cause	No AWL Fastchannel program existent in the configuration.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2249 / F 2250**
Alarm message	AWL Fastchannel check: activation
Cause	The AWL Fastchannel structure contains invalid data.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2251 / F 2252**
Alarm message	AWL Fastchannel check: Program too large.
Cause	The AWL Fastchannel program length exceeds the maximum.
Remedy	• Reduce the amount of elements in the functional scheme • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2253 / F 2254**
Alarm message	AWL Fastchannel check: EOF ID missing.
Cause	The AWL Fastchannel program doesn't have an „end-of-file" ID.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2255 / F 2256**
Alarm message	AWL Fastchannel check: Invalid command
Cause	The AWL Fastcannel program contains an invalid AWL command.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2257 / F 2258**
Alarm message	AWL Fastchannel check: Invalid AWL command
Cause	The AWL Fastchannel program contains commands exceeding its length.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2259 / F 2260**
Alarm message	AWL Fastchannel check: Invalid decrementer
Cause	The decrementer of one or more AWL Fastchannel programs was invalid
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2261 / F 2262**
Alarm message	AWL Fastchannel check: AWL instruction unknown
Cause	One AWL Fastchannel identifier of one instruction of the AWL program exceeds the maximum.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2263 / F 2264**
Alarm message	AWL Fastchannel check: Invalids AWLmacro
Cause	The order of commands of one or more AWL macros is invalid.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2265 / F 2266**
Alarm message	AWL Fastchannel check: Open AWL macro
Cause	One AWL macro doesn’t include an end ID
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2271 / F 2272**
Alarm message	Safety link check: Unknown identifier
Cause	The Safety link configuration contains an unknown identifier.
Remedy	• Make sure, a compatible programming software was used • Check Safety link configuration. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2273 / F 2274**
Alarm message	Safety link check: No Safety link configuration
Cause	Safety link configuration not existing.
Remedy	• Make sure, a compatible programming software was used • Check Safety link configuration. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2275 / F 2276**
Alarm message	Safety link check: Maximum amount of Safety link Slave units
Cause	Maximum amount of Safety link Slave units exceeded.
Remedy	• Make sure, a compatible programming software was used • Check Safety link configuration. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2277 / F 2278**
Alarm message	Safety link check: Faulty cycle time
Cause	Faulty Safety link configuration of cycle time.
Remedy	• Make sure, a compatible programming software was used • Check Safety link configuration. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2281 / F 2282**
Alarm message	Range check FSoE Master: ClassID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2283 / F 2284**
Alarm message	Range check FSoE Master: General Flags
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2285 / F 2286**
Alarm message	Range check FSoE Master: invalid Connection ID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2287 / F 2288**
Alarm message	Range check FSoE Master: invalid Slave address
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2289 / F 2290**
Alarm message	Range check FSoE Master: invalid FSoE Watchdog time
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2291 / F 2292**
Alarm message	Range check FSoE Master: invalid FSoE profile length input data
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2293 / F 2294**
Alarm message	Range check FSoE Master: invalid FSoE profile length output data
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2295 / F 2296**
Alarm message	Range check FSoE Master: invalid FSoE data length input data
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2297 / F 2298**
Alarm message	Range check FSoE Master: invalid FSoE data length output data
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2299 / F 2300**
Alarm message	Range check FSoE Master: FSoE Slave address twice
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2301 / F 2302**
Alarm message	Range check FSoE Master: Connection ID twice
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2311 / F 2312**
Alarm message	TOC Management: Invalid FBus Slave configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2313 / F 2314**
Alarm message	TOC Management: Number of FBus Slave instances exceeds maximum
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2315 / F 2316**
Alarm message	Range check FBus Slave: ClassID
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2317 / F 2318**
Alarm message	Range check FBus Slave: unknown FBus type
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2319 / F 2320**
Alarm message	Range check FBus Slave: FBus address invalid
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2321 / F 2322**
Alarm message	Range check FBus Slave: invalid alarm reset
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2323 / F 2324**
Alarm message	Range check FBus Slave: invalid alarm reset
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2325 / F 2326**
Alarm message	Range check FBus Slave: Process data length invalid
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2327 / F 2328**
Alarm message	Range check FBus Slave: Bit data length invalid
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2329 / F 2330**
Alarm message	Range check FBus Slave: invalid data profile input data
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2331 / F 2332**
Alarm message	Range check FBus Slave: invalid data profile output data
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2333 / F 2334**
Alarm message	Range check FBus Slave: invalid scale factor
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2771 / F 2772**
Alarm message	Range check PROFIsafe slave: invalid PROFIsafe configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 2773 / F 2774**
Alarm message	Range check PROFIsafe slave: invalid PROFIsafe configuration
Cause	The configuration entry exceeds the permitted range.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Send the configuration to the unit again • Power Cycle

Fatal Error Code	**F 3201 / F 3202**
Alarm message	Internal voltage monitoring: 24V logic falls below minimum
Cause	The internal supply voltage falls below minimum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3203 / F 3204**
Alarm message	Internal voltage monitoring: 24V IO falls below minimum
Cause	The internal supply voltage falls below minimum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3205 / F 3206**
Alarm message	Internal voltage monitoring: 24V IO Extended falls below minimum
Cause	The internal supply voltage falls below minimum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3207 / F 3208**
Alarm message	Internal voltage monitoring: 3V3_A falls below minimum
Cause	The internal supply voltage falls below minimum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3209 / F 3210**
Alarm message	Internal voltage monitoring: 2V5 falls below minimum
Cause	The internal supply voltage falls below minimum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3211 / F 3212**
Alarm message	Internal voltage monitoring: 1V1 falls below minimum
Cause	The internal supply voltage falls below minimum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3221 / F 3222**
Alarm message	Internal voltage monitoring: 24V logic exceeds maximum
Cause	The internal supply voltage exceeds maximum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3223 / F 3224**
Alarm message	Internal voltage monitoring: 24V IO exceeds maximum
Cause	The internal supply voltage exceeds maximum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3225 / F 3226**
Alarm message	Internal voltage monitoring: 24V IO Extended exceeds maximum
Cause	The internal supply voltage exceeds maximum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3227 / F 3228**
Alarm message	Internal voltage monitoring: 3V3_A exceeds maximum
Cause	The internal supply voltage exceeds maximum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3229 / F 3230**
Alarm message	Internal voltage monitoring: 2V5 exceeds maximum
Cause	The internal supply voltage exceeds maximum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3231 / F 3232**
Alarm message	Internal voltage monitoring: 1V1 exceeds maximum
Cause	The internal supply voltage exceeds maximum.
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3611 / F 3612**
Alarm message	• Relay R1: dynamic test activation Relay
Cause	• Relay contact feedback does not align with expectation
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3613 / F 3614**
Alarm message	Relay R2: dynamic test activation Relay
Cause	Relay contact feedback does not align with expectation
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3651 / F 3652**
Alarm message	Dynamic test OV 3V3_B
Cause	Dynamic off-switch test OPV circuit3V3_B
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3653 / F 3654**
Alarm message	Dynamic test UV 3V3_B
Cause	Dynamic off-switch test OPV circuit3V3_B
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3655 / F 3656**
Alarm message	Dynamic test OV 4V2
Cause	Dynamic off-switch test OPV circuit4V2
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3657 / F 3658**
Alarm message	Dynamic test Watchdog
Cause	Dynamic test Watchdog circuit.
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3659 / F 3660**
Alarm message	Dynamic test OVP supply IO
Cause	Dynamic test OVP circuit 24VDC IO
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3661 / F 3662**
Alarm message	Q0.8_PP: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3663 / F 3664**
Alarm message	Q0.9_PP: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3665 / F 3666**
Alarm message	Q0.10_PP: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3667 / F 3668**
Alarm message	Q0.11_PP: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3669 / F 3670**
Alarm message	Q0.20_PP: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3671 / F 3672**
Alarm message	Q0.21_PP: dynamic test digital output
Cause	• Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3673 / F 3674**
Alarm message	Q0.22_PP: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3675 / F 3676**
Alarm message	Q0.23_PP: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3677 / F 3678**
Alarm message	Q0.9_PN: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3679 / F 3680**
Alarm message	Q0.11_PN: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3681 / F 3682**
Alarm message	Q0.21_PN: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3683 / F 3684**
Alarm message	Q0.23_PN: dynamic test digital output
Cause	Dynamic off-switch check of activated output faulty
Remedy	• Check output wiring • Check output supply voltage

Fatal Error Code	**F 3685 / F 3686**
Alarm message	Dynamic test Mainswitch MS0
Cause	Dynamic test supply voltage of outputs
Remedy	• Check output wiring • Check supply voltage of outputs XG31

Fatal Error Code	**F 3687 / F 3688**
Alarm message	Dynamic test Mainswitch MS1
Cause	Dynamic test supply voltage of outputs
Remedy	• Check output wiring • Check supply voltage of outputs XG33

Fatal Error Code	**F 3693 / F 3694**
Alarm message	Power On Test 24V logic faulty
Cause	Test Overvoltage Protection faulty
Remedy	• Check supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3695 / F 3696**
Alarm message	Power On Test 24V IO faulty
Cause	Test Overvoltage Protection faulty
Remedy	• Check IO supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3697 / F 3698**
Alarm message	Power On Test 24V IO Extended faulty
Cause	Test Overvoltage Protection faulty
Remedy	• Check IO Extended supply voltage of unit • Power Cycle • Replace device

Fatal Error Code	**F 3701 / F 3702**
Alarm message	Process image crosscomparison
Cause	Process image is different in both channels.
Remedy	• Make sure a previous firmware update was completed successfully • Power Cycle • Replace device

Fatal Error Code	**F 3709 / F 3710**
Alarm message	Process image length
Cause	The length of the process image is different in both channels.
Remedy	• Make sure a previous firmware update was completed successfully • Power Cycle • Replace device

Fatal Error Code	**F 3841 / F 3842**
Alarm message	Q0.0: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3843 / F 3844**
Alarm message	Q0.1: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3845 / F 3846**
Alarm message	Q0.2: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3847 / F 3848**
Alarm message	Q0.3: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3849 / F 3850**
Alarm message	Q0.4: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3851 / F 3852**
Alarm message	Q0.5: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3853 / F 3854**
Alarm message	Q0.6: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3855 / F 3856**
Alarm message	Q0.7: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3857 / F 3858**
Alarm message	Q0.16: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3859 / F 3860**
Alarm message	Q0.17: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3861 / F 3862**
Alarm message	Q0.18: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 3863 / F 3864**
Alarm message	Q0.19: dynamic test digital output
Cause	Dynamic off-switch test of activated output faulty
Remedy	• Check output wiring • Check supply voltage of outputs

Fatal Error Code	**F 5001 / F 5002**
Alarm message	I0.0: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5003 / F 5004**
Alarm message	I0.1: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5005 / F 5006**
Alarm message	I0.2: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5007 / F 5008**
Alarm message	I0.3: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5009 / F 5010**
Alarm message	I0.4: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5011 / F 5012**
Alarm message	I05.: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5013 / F 5014**
Alarm message	I0.6: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5015 / F 5016**
Alarm message	I0.7: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5017 / F 5018**
Alarm message	I0.8: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5019 / F 5020**
Alarm message	I0.9: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5021 / F 5022**
Alarm message	I0.10: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5023 / F 5024**
Alarm message	I0.11: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5025 / F 5026**
Alarm message	I0.12: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5027 / F 5028**
Alarm message	I0.13: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5029 / F 5030**
Alarm message	I0.14: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5031 / F 5032**
Alarm message	I0.15: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5051 / F 5052**
Alarm message	I0.0: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5053 / F 5054**
Alarm message	I0.1: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5055 / F 5056**
Alarm message	I0.2: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5057 / F 5058**
Alarm message	I0.3: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5059 / F 5060**
Alarm message	I0.4: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5061 / F 5062**
Alarm message	I05.: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5063 / F 5064**
Alarm message	I0.6: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5065 / F 5066**
Alarm message	I0.7: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5067 / F 5068**
Alarm message	I0.8: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5069 / F 5070**
Alarm message	I0.9: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5071 / F 5072**
Alarm message	I0.10: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5073 / F 5074**
Alarm message	I0.11: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5075 / F 5076**
Alarm message	I0.12: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5077 / F 5078**
Alarm message	I0.13: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5079 / F 5080**
Alarm message	I0.14: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5081 / F 5082**
Alarm message	I0.15: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5201 / F 5202**
Alarm message	I0.16: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5203 / F 5204**
Alarm message	I0.17: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5205 / F 5206**
Alarm message	I0.18: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5207 / F 5208**
Alarm message	I0.19: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5209 / F 5210**
Alarm message	I0.20: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5211 / F 5212**
Alarm message	I0.21: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5213 / F 5214**
Alarm message	I0.22: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5215 / F 5216**
Alarm message	I0.23: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5217 / F 5218**
Alarm message	I0.24: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5219 / F 5220**
Alarm message	I0.25: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5221 / F 5222**
Alarm message	I0.26: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5223 / F 5224**
Alarm message	I0.27: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5225 / F 5226**
Alarm message	I0.28: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5227 / F 5228**
Alarm message	I0.29: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5229 / F 5230**
Alarm message	I0.30: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5231 / F 5232**
Alarm message	I0.31: inactive check faulty SDI Test inactive switched off by UDI
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5251 / F 5252**
Alarm message	I0.16: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5253 / F 5254**
Alarm message	I0.17: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5255 / F 5256**
Alarm message	I0.18: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5257 / F 5258**
Alarm message	I0.19: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5259 / F 5260**
Alarm message	I0.20: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5261 / F 5262**
Alarm message	I0.21: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5263 / F 5264**
Alarm message	I0.22: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5265 / F 5266**
Alarm message	I0.23: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5267 / F 5268**
Alarm message	I0.24: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5269 / F 5270**
Alarm message	I0.25: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5271 / F 5272**
Alarm message	I0.26: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5273 / F 5274**
Alarm message	I0.27: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5275 / F 5276**
Alarm message	I0.28: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5277 / F 5278**
Alarm message	I0.29: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5279 / F 5280**
Alarm message	I0.30: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 5281 / F 5282**
Alarm message	I0.31: inactive check faulty SDI Test inactive switched off by DIN_Test
Cause	Internal inactive check over UDI faulty
Remedy	• Check voltage supply IO • Check digital Input wiring

Fatal Error Code	**F 6801 / F 6802**
Alarm message	AWL Kernel: Op Code invalid
Cause	The operator of an AWL instruction is invalid or not supported.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Power Cycle • Replace device

Fatal Error Code	**F 6803 / F 6804**
Alarm message	AWL Kernel: Cache CRC invalid
Cause	The cache of the AWL code differs in both channels.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Power Cycle • Replace device

Fatal Error Code	**F 6805 / F 6806**
Alarm message	AWL Kernel: Index sum invalid
Cause	The AWL program was not fully processed, interrupted or includes errors.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Power Cycle • Replace device

Fatal Error Code	**F 6821 / F 6822**
Alarm message	AWL Kernel Fastchannel: Op Code invalid
Cause	The operator of one Fastchannel AWL instruction is invalid or not supported.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Power Cycle • Replace device

Fatal Error Code	**F 6823 / F 6824**
Alarm message	AWL Fastchannel Kernel: Cache CRC invalid
Cause	The Cache of the AWL Fastchannel code differs in both channels.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Power Cycle • Replace device

Fatal Error Code	**F 6825 / F 6826**
Alarm message	AWL Fastchannel Kernel: Index sum invalid
Cause	The AWL Fastchannel program was not fully processed, interrupted or includes errors.
Remedy	• Make sure, a compatible programming software was used • Make sure the projected device matches with the connected device. • Power Cycle • Replace device

Fatal Error Code	**F 7001 / F 7002**
Alarm message	Faulty FSoE Slave processing
Cause	Faulty activation of FSoE Slave stack
Remedy	• Make sure, a compatible programming software was used • Check FSoE Slave configuration. • Power Cycle • Replace device

Fatal Error Code	**F 7003 / F 7004**
Alarm message	Faulty FSoE Slave instance
Cause	Faulty FSoE Slave configuration
Remedy	• Make sure, a compatible programming software was used • Check FSoE Slave configuration. • Power Cycle • Replace device

Fatal Error Code	**F 8201 / F 8202**
Alarm message	Performance Trace: Cycle time falls below minimum
Cause	The previous cycle time falls under its absolute minimum.
Remedy	• Make sure, a compatible programming software was used • Power Cycle • Replace device

Fatal Error Code	**F 8203 / F 8204**
Alarm message	Performance Trace: Cycle time exceeds maximum
Cause	The previous cycle time exceeds its absolute maximum
Remedy	• Check voltage supply at XG31 and XG33 • Make sure, a compatible programming software was used • Reduce the amount of AWL blocks • Reduce the amount of monitoring functions • Power Cycle • Replace device

Fatal Error Code	**F 8205 / F 8206**
Alarm message	Performance Trace: Cycle time of complementary channel falls below minimum
Cause	The cycle time of complementary channel falls under its absolute minimum.
Remedy	• Make sure, a compatible programming software was used • Power Cycle • Replace device

Fatal Error Code	**F 8207 / F 8208**
Alarm message	Performance Trace: Cycle time of complementary channel exceeds maximum
Cause	The cycle time of complementary channel exceeds its absolute maximum.
Remedy	• Make sure, a compatible programming software was used • Reduce the number of used AWL blocks • Reduce the number of used monitoring functions • Power Cycle • Replace device

Fatal Error Code	**F 8209 / F 8210**
Alarm message	Performance Trace: PPI Interrupt cycle falls below minimum
Cause	The Interrupt Sample Rate lays underneath the minimum.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8211 / F 8212**
Alarm message	Performance Trace: PPI Interrupt cycle exceeds maximum
Cause	The Interrupt Sample Rate exceeds the maximum.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8213 / F 8214**
Alarm message	Performance Trace: LPLZ invalid
Cause	The logical program run counter doesn't align with expected value.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8215 / F 8216**
Alarm message	Performance Trace: LPLZI invalid
Cause	The logical interrupt program run counter doesn't align with expected value.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8217 / F 8218**
Alarm message	Performance Trace: LPLZ FSoE Master invalid
Cause	The logical program run counter doesn't align with expected value.
Remedy	• Power Cycle • Check FSoE Master configuration • Replace device

Fatal Error Code	**F 8219 / F 8220**
Alarm message	Performance Trace: LPLZ FSoE Slave invalid
Cause	The logical program run counter doesn't align with expected value.
Remedy	• Power Cycle • Check FSoE Slave configuration • Replace device

Fatal Error Code	**F 8221 / F 8222**
Alarm message	PPI: PPI Interrupt Timeout
Cause	The PPI interrupt did not get triggered.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8223 / F 8224**
Alarm message	PPI: PPI Interrupt Handshake
Cause	The PPI crosscomparison could not be performed correctly because the complementary channel did not respond correctly.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8225 / F 8226**
Alarm message	PPI: PPI Core program monitoring
Cause	The program counter of the core program did not increase as expected.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8227 / F 8228**
Alarm message	System: PPI Interrupt Timeout
Cause	The core program could not start correctly due to a PPI timeout.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8229 / F 8230**
Alarm message	System: Timeout at cycle begin
Cause	The core program could not start correctly due to a timeout.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8233 / F 8234**
Alarm message	PPI Handshake error: Timeout
Cause	Timeout at PPI synchronization after complementary channel did not respond in time.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8235 / F 8236**
Alarm message	PPI Handshake error: cycle
Cause	Different cycle in complementary channel recognized during PPI synchronization.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8237 / F 8238**
Alarm message	PPI Handshake error: Counter
Cause	Different interrupt counter in complementary channel recognized during PPI synchronization.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 8301 / F 8302**
Alarm message	Main: System could not leave status„Init“ correctly
Cause	The status „Init“was active for longer than 10 seconds.
Remedy	• Power Cycle • Check power supplies • Replace device

Fatal Error Code	**F 8303 / F 8304**
Alarm message	Main: System could not leave status„Startup“ correctly
Cause	The status „Startup“was active for longer than 10 seconds.
Remedy	• Power Cycle • Check power supplies • Send configuration again • Replace device

Fatal Error Code	**F 8305 / F 8306**
Alarm message	Main: System could not leave status„Run Safe“ correctly
Cause	The status „Run Safe“was active for longer than 10 seconds.
Remedy	• Power Cycle • Replace device • Send configuration again

Fatal Error Code	**F 9001 / F 9002**
Alarm message	CPU self-check: Internal CPU command set check faulty.
Cause	The CPU self-check could not be completed without error.
Remedy	• Check EMV and environmental requirements • Power Cycle • Replace device

Fatal Error Code	**F 9003 / F 9004**
Alarm message	CPU self-check: CPU temperature falls below minimum (-25° C)
Cause	The CPU self-check could not be completed without error.
Remedy	• Check EMV and environmental requirements • Power Cycle • Replace device

Fatal Error Code	**F 9005 / F 9006**
Alarm message	CPU self-check: CPU temperature exceeds maximum (125° C)
Cause	The CPU self-check could not be completed without error.
Remedy	• Check EMV and environmental requirements • Power Cycle • Replace device

Fatal Error Code	**F 9009 / F 9010**
Alarm message	CPU self-check: The checksum of the Firmware Image in incorrect.
Cause	The CPU self-check could not be completed without error.
Remedy	• Make sure a previous Firmware update was completely and correctly performed. • Power Cycle • Replace device

Fatal Error Code	**F 9011 / F 9012**
Alarm message	CPU self-check: The checksum of the Firmware Image of the complementary channel does not align with expectation.
Cause	The CPU self-check could not be completed without error.
Remedy	• Make sure a previous Firmware update was completely and correctly performed. • Power Cycle • Replace device

Fatal Error Code	**F 9013 / F 9014**
Alarm message	CPU self-check: System Stack Test faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9015 / F 9016**
Alarm message	CPU self-check: Register Test faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9017 / F 9018**
Alarm message	CPU self-check: Internal RAM Test faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9019 / F 9020**
Alarm message	CPU self-check: FCE Kernel 0 faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9021 / F 9022**
Alarm message	CPU self-check: FCE Kernel 1 faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9023 / F 9024**
Alarm message	CPU self-check: FCE Kernel 2 faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9025 / F 9026**
Alarm message	CPU self-check: FCE Kernel 3 faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9027 / F 9028**
Alarm message	CPU self-check: Internal RAM Read-/Write check faulty
Cause	The CPU self-check could not be completed without error.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9031 / F 9032**
Alarm message	CPU self-check: Hard-Fault Trap
Cause	A CPU-Trap was triggered.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9033 / F 9034**
Alarm message	CPU self-check: Mem Fault Trap
Cause	A CPU-Trap was triggered.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9035 / F 9036**
Alarm message	CPU self-check: Bus Fault Trap
Cause	A CPU-Trap was triggered.
Remedy	• Power Cycle • Replace device

Fatal Error Code	**F 9037 / F 9038**
Alarm message	CPU self-check: Usage Fault Trap
Cause	A CPU-Trap was triggered.
Remedy	• Power Cycle • Replace device

4 ctrlX SAFETY^{link}-error and -diagnostics

Error-Code can be read in the Log Book.

Error-Code	**10100**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 1
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10101**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 2
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10102**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 3
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10103**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 4
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10104**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 5
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10105**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 6
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10106**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 7
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10107**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 8
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10108**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 9
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10109**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM • Slave-Topology-Address 10
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10110**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 11
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10111**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 12
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10112**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 13
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10113**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 14
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10114**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 15
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10115**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 16
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10116**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 17
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10117**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 18
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10118**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 19
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10119**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 20
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10120**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 21
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10121**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 22
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10122**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 23
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10123**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 24
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10124**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM 1Slave-Topology-Adress 25
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10125**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 26
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10126**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 27
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10127**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 28
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10128**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 29
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10129**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 30
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10130**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 31
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10131**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_CYCL_COM Slave-Topology-Address 32
Cause	Timeout cyclic communication
Remedy	• Check SAFETYlink connection • Check configuration

Error-Code	**10132**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 1
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10133**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 2
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10134**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 3
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10135**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 4
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10136**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 5
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10137**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 6
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10138**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 7
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10139**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 8
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10140**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 9
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10141**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 10
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10142**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 11
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10143**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 12
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10144**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 13
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10145**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 14
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10146**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 15
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10147**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 16
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10148**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 17
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10149**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 18
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10150**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 19
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10151**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 20
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10152**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 21
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10153**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 22
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10154**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 23
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10155**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 24
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10156**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 25
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10157**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 26
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10158**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 27
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10159**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 28
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10160**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 29
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10161**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 30
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10162**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 31
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10163**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_CYCL_COM • Slave-Topology-Address 32
Cause	CRC error data in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10164**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 1
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10165**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 2
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10166**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 3
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10167**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 4
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10168**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 5
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10169**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 6
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10170**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 7
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10171**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 8
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10172**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 9
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10173**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 10
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10174**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 11
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10175**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 12
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10176**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 13
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10177**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 14
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10178**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 15
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10179**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 16
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10180**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 17
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10181**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 18
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10182**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 19
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10183**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 20
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10184**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 21
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10185**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 22
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10186**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 23
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10187**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 24
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10188**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 25
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10189**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 26
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10190**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 27
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10191**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 28
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10192**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 29
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10193**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 30
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10194**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 31
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10195**
Alarm message	ctrlX SAFETYlink: EC_ZB_TELCNT_CYCL_COM • Slave-Topology-Address 32
Cause	Faulty telegram counter in cyclic operation
Remedy	• Check SAFETYlink connection

Error-Code	**10196**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 1
Cause	Faulty time stamp of data in cyclic operation X: {1} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10197**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 2
Cause	Faulty time stamp of data in cyclic operation X: {2} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10198**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 3
Cause	Faulty time stamp of data in cyclic operation X: {3} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10199**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 4
Cause	Faulty time stamp of data in cyclic operation X: {4} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10200**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 5
Cause	Faulty time stamp of data in cyclic operation X: {5} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10201**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 6
Cause	Faulty time stamp of data in cyclic operation X: {6} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10202**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 7
Cause	Faulty time stamp of data in cyclic operation X: {7} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10203**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 8
Cause	Faulty time stamp of data in cyclic operation X: {8} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10204**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 9
Cause	Faulty time stamp of data in cyclic operation X: {9} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10205**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 10
Cause	Faulty time stamp of data in cyclic operation X: {10} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10206**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 11
Cause	Faulty time stamp of data in cyclic operation X: {1...32} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10207**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 12
Cause	Faulty time stamp of data in cyclic operation X: {12} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10208**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 13
Cause	Faulty time stamp of data in cyclic operation X: {13} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10209**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 14
Cause	Faulty time stamp of data in cyclic operation X: {14} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10210**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 15
Cause	Faulty time stamp of data in cyclic operation X: {15} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10211**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 16
Cause	Faulty time stamp of data in cyclic operation X: {16} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10212**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 17
Cause	Faulty time stamp of data in cyclic operation X: {17} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10213**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 18
Cause	Faulty time stamp of data in cyclic operation X: {18} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10214**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 19
Cause	Faulty time stamp of data in cyclic operation X: {19} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10215**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 20
Cause	Faulty time stamp of data in cyclic operation X: {20} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10216**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 21
Cause	Faulty time stamp of data in cyclic operation X: {21} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10217**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 22
Cause	Faulty time stamp of data in cyclic operation X: {22} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10218**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 23
Cause	Faulty time stamp of data in cyclic operation X: {23} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10219**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 24
Cause	Faulty time stamp of data in cyclic operation X: {24} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10220**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 25
Cause	Faulty time stamp of data in cyclic operation X: {25} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10221**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 26
Cause	Faulty time stamp of data in cyclic operation X: {26} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10222**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 27
Cause	Faulty time stamp of data in cyclic operation X: {27} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10223**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 28
Cause	Faulty time stamp of data in cyclic operation X: {28} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10224**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 29
Cause	Faulty time stamp of data in cyclic operation X: {29} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10225**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 30
Cause	Faulty time stamp of data in cyclic operation X: {30} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10226**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 31
Cause	Faulty time stamp of data in cyclic operation X: {31} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10227**
Alarm message	ctrlX SAFETYlink: EC_ZB_DATAAGE_CYCL_COM • Slave-Topology-Address 32
Cause	Faulty time stamp of data in cyclic operation X: {32} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10228**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 1
Cause	Data transfer Slave Unit faulty. X: {1} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10229**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 2
Cause	Data transfer Slave Unit faulty. X: {2} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10230**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 3
Cause	Data transfer Slave Unit faulty. X: {3} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10231**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 4
Cause	Data transfer Slave Unit faulty. X: {4} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10232**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 5
Cause	Data transfer Slave Unit faulty. X: {5} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10233**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 6
Cause	Data transfer Slave Unit faulty. X: {6} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10234**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 7
Cause	Data transfer Slave Unit faulty. X: {7} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10235**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 8
Cause	Data transfer Slave Unit faulty. X: {8} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10236**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 9
Cause	Data transfer Slave Unit faulty. X: {9} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10237**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 10
Cause	Data transfer Slave Unit faulty. X: {10} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10238**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 11
Cause	Data transfer Slave Unit faulty. X: {11} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10239**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 12
Cause	Data transfer Slave Unit faulty. X: {12} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10240**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 13
Cause	Data transfer Slave Unit faulty. X: {13} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10241**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 14
Cause	Data transfer Slave Unit faulty. X: {14} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10242**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 15
Cause	Data transfer Slave Unit faulty. X: {15} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10243**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 16
Cause	Data transfer Slave Unit faulty. X: {16} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10244**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 17
Cause	Data transfer Slave Unit faulty. X: {17} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10245**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 18
Cause	Data transfer Slave Unit faulty. X: {18} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10246**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 19
Cause	Data transfer Slave Unit faulty. X: {19} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10247**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 20
Cause	Data transfer Slave Unit faulty. X: {20} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10248**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 21
Cause	Data transfer Slave Unit faulty. X: {21} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10249**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 22
Cause	Data transfer Slave Unit faulty. X: {22} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10250**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 23
Cause	Data transfer Slave Unit faulty. X: {23} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10251**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 24
Cause	Data transfer Slave Unit faulty. X: {24} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10252**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 25
Cause	Data transfer Slave Unit faulty. X: {25} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10253**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 26
Cause	Data transfer Slave Unit faulty. X: {26} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10254**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 27
Cause	Data transfer Slave Unit faulty. X: {27} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10255**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 28
Cause	Data transfer Slave Unit faulty. X: {28} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10256**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 29
Cause	Data transfer Slave Unit faulty. X: {29} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10257**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 30
Cause	Data transfer Slave Unit faulty. X: {30} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10258**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 31
Cause	Data transfer Slave Unit faulty. X: {31} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10259**
Alarm message	ctrlX SAFETYlink: Crosscomparison of data or CMD data faulty • Slave-Topology-Address 32
Cause	Data transfer Slave Unit faulty. X: {32} Slave-Topology-Address
Remedy	• Check SAFETYlink connection

Error-Code	**10260**
Alarm message	ctrlX SAFETYlink: EC_ZB_TIMEOUT_INIT
Cause	Timeout during initializing phase
Remedy	• Check SAFETYlink connection

Error-Code	**10261**
Alarm message	Amount of Slaves not correct
Cause	The amount of Slaves in SAFETYlink is different from the parameterized authorized number of slaves
Remedy	• Check amount of Slave Units in the configuration • Check amount of connected Slave Units

Error-Code	**10262**
Alarm message	ctrlX SAFETYlink: EC_ZB_CRC_INIT
Cause	CRC-error data during initializing phase
Remedy	• Check SAFETYlink connection

Error-Code	**10264**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 1
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10265**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 2
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10266**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 3
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10267**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 4
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10268**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 5
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10269**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 6
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10270**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 7
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10271**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 8
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10272**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 9
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10273**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 10
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10274**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 11
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10275**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 12
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10276**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 13
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10277**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 14
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10278**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 15
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10279**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 16
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10280**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 17
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10281**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 18
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10282**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 19
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10283**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 20
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10284**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 21
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10285**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 22
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10286**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 23
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10287**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 24
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10288**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 25
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10289**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 26
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10290**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 27
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10291**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 28
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10292**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 29
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10293**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 30
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10294**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 31
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10295**
Alarm message	ctrlX SAFETYlink: EC_ZB_DOUBLESAFEADDR • Slave-Topology-Address 32
Cause	Two Safety addresses during startup
Remedy	Check SAFETYlink connection

Error-Code	**10296**
Alarm message	Faulty telegram address • Slave-Topology-Address 1
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10297**
Alarm message	Faulty telegram address • Slave-Topology-Address 2
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10298**
Alarm message	Faulty telegram address • Slave-Topology-Address 3
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10299**
Alarm message	Faulty telegram address • Slave-Topology-Address 4
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10300**
Alarm message	Faulty telegram address • Slave-Topology-Address 5
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10301**
Alarm message	Faulty telegram address • Slave-Topology-Address 6
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10302**
Alarm message	Faulty telegram address • Slave-Topology-Address 7
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10303**
Alarm message	Faulty telegram address • Slave-Topology-Address 8
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10304**
Alarm message	Faulty telegram address • Slave-Topology-Address 9
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10305**
Alarm message	Faulty telegram address • Slave-Topology-Address 10
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10306**
Alarm message	Faulty telegram address • Slave-Topology-Address 11
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10307**
Alarm message	Faulty telegram address • Slave-Topology-Address 12
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10308**
Alarm message	Faulty telegram address • Slave-Topology-Address 13
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10309**
Alarm message	Faulty telegram address • Slave-Topology-Address 14
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10310**
Alarm message	Faulty telegram address • Slave-Topology-Address 15
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10311**
Alarm message	Faulty telegram address • Slave-Topology-Address 16
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10312**
Alarm message	Faulty telegram address • Slave-Topology-Address 17
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10313**
Alarm message	Faulty telegram address • Slave-Topology-Address 18
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10314**
Alarm message	Faulty telegram address • Slave-Topology-Address 19
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10315**
Alarm message	Faulty telegram address • Slave-Topology-Address 20
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10316**
Alarm message	Faulty telegram address • Slave-Topology-Address 21
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10317**
Alarm message	Faulty telegram address • Slave-Topology-Address 22
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10318**
Alarm message	Faulty telegram address • Slave-Topology-Address 23
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10319**
Alarm message	Faulty telegram address • Slave-Topology-Address 24
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10320**
Alarm message	Faulty telegram address • Slave-Topology-Address 25
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10321**
Alarm message	Faulty telegram address • Slave-Topology-Address 26
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10322**
Alarm message	Faulty telegram address • Slave-Topology-Address 27
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10323**
Alarm message	Faulty telegram address • Slave-Topology-Address 28
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10324**
Alarm message	Faulty telegram address • Slave-Topology-Address 29
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

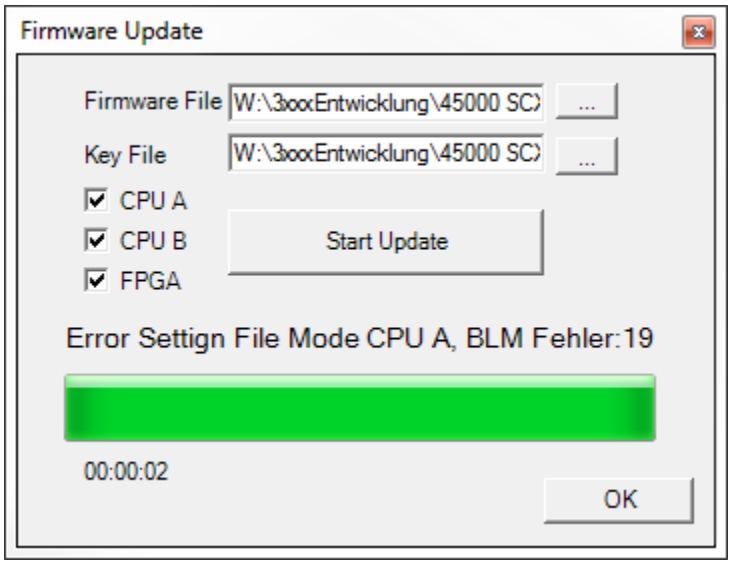
Error-Code	**10325**
Alarm message	Faulty telegram address • Slave-Topology-Address 30
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10326**
Alarm message	Faulty telegram address • Slave-Topology-Address 31
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

Error-Code	**10327**
Alarm message	Faulty telegram address • Slave-Topology-Address 32
Cause	Faulty telegram address received from Slave Unit
Remedy	Check SAFETYlink connection

5 Alarm messages Firmware update

Alarm messages are only displayed in the Firmware Update window.



BLM error	Description
15	Keyfile invalid (Data in Keyfile not readable)
16	Keyfile invalid (Checksum in Keyfile incorrect)
17	Keyfile doesn't align with Unit ID (wrong Unit type)
18	Keyfile doesn't align with serial number of unit
19	Keyfile doesn't align with FW version on unit

BLM error	**15**
Alarm message	Keyfile invalid (Data in Keyfile not readable)
Cause	Faulty Keyfile
Remedy	• Request new Keyfile

BLM error	**16**
Alarm message	Keyfile invalid (Checksum in Keyfile incorrect)
Cause	Faulty Keyfile
Remedy	• Request new Keyfile

BLM error	**17**
Alarm message	Keyfile doesn't align with Unit ID (wrong Unit type)
Cause	Faulty Keyfile
Remedy	• Request new Keyfile • Select correct Keyfile for unit

BLM error	**18**
Alarm message	Keyfile doesn't align with serial number of unit
Cause	Faulty Keyfile
Remedy	• Request new Keyfile • Select correct Keyfile for unit

BLM error	**19**
Alarm message	Keyfile doesn't align with FW version on unit
Cause	Faulty Keyfile
Remedy	• Request new Keyfile • Select correct Keyfile for unit

6 Info Logbook

6.1 General Information

Code	**10001**
Alarm message	LOG_DOWNLOAD
Cause	Download configuration data

Code	**10002**
Alarm message	LOG_VALIDIERUNG
Cause	Validation of configuration data performed

Code	**10003**
Alarm message	LOG_MUTING
Cause	Muting error

Code	**10004**
Alarm message	LOG_STATE_POR
Cause	POR Unit

Code	**10005**
Alarm message	LOG_STATE_START
Cause	Unit in RUN

Code	**10006**
Alarm message	LOG_STATE_STOP
Cause	Unit in STOP

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