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- Related documentation
- Service and support

ctrlX CORE, Diagnostics, Reference Book

About this documentation

.About this documentation

.Editions of this documentation

Edition	Edition	Note
01	2020-06	First edition for ctrlX CORE version V-0102
02	2020-09	Revision of ctrlX CORE version V-0104
03	2021-01	Revision of ctrlX CORE version V-0106
04	2021-05	Revision of ctrlX CORE version V-0108
05	2021-07	Revision of ctrlX CORE version V-0110
06	2022-01	Revision of ctrlX CORE version V-0112
07	2022-04	Revision of ctrlX CORE version V-0114
08	2022-09	Revision of ctrlX CORE version V-0116
09	2023-01	Revision of ctrlX CORE version V-0118

Important directions on use

Intended use

Introduction

Rexroth products are developed and manufactured to the state-of-the-art.

The products are tested prior to delivery to ensure operational safety and reliability.

> **WARNING!**
>
> Personal injury and damage to property due to incorrect use of products!
> The products may only be used as intended.
>
> Failure to use the products as intended may cause situations resulting in property damage and personal injury.

> **NOTICE!**
>
> Damages resulting from unintended use
> Rexroth As the manufacturer does not assume any warranty, liability or compensatory claims for damages resulting from unintended use of the products. The user alone shall bear the risks of an unintended use of the products.
>
> Before using Rexroth products, make sure that all the prerequisites for an intended use of the products are met:
>
> - Personnel that in any way, shape or form uses Rexroth products must first read and understand the relevant safety instructions and be familiar with their intended use
> - Leave hardware products in their original state, i.e., do not make any structural modifications. It its not permitted to decompile software products or alter source codes
> - Do not install damaged or defective products or commission them
> - It has to be ensured that the products have been installed as described in the relevant documentation

Areas of use and application

Products of the ctrlX series are suitable for Motion/Logic applications.

> **!** **NOTICE!**
>
> Products of the ctrlX series may only be used with the accessories, mounting parts, and other components specified in this documentation. Components that are not expressly mentioned must neither be attached nor connected. The same applies to cables and lines.
>
> Only to be operated with the hardware component configurations and combinations expressly specified and with the software and firmware specified in the corresponding documentations and functional descriptions.

Products of the ctrlX series are suitable for single-axis as well as for multi-axis drive and control tasks. Device types with different equipment and interfaces are available for using the system in specific applications.

Typical areas of application:

- Building automation
- IoT and Security Gateway or Device
- Handling & Robotic

Controls of the ctrlX CORE series may only be operated under the mounting and installation conditions, in the position of normal use and under the ambient conditions (temperature, degree of protection, humidity, EMC, etc.) specified in the related documentations.

Unintended use

"Unintended use" refers to using the ctrlX products outside of the above-mentioned areas of application or under operating conditions and technical data other than described and specified in the documentation.

ctrlX products must not be used if they are exposed to following conditions:

- Operating conditions that do not meet the specified ambient conditions. Operation under water, under extreme temperature fluctuations or under extreme maximum temperatures is prohibited
- Applications that have not been expressly authorized by Rexroth

Safety instructions

Safety instructions

The Safety instructions contained in the available application documentation feature specific signal words (DANGER, WARNING, CAUTION or NOTICE) and, where required, a safety alert symbol (in accordance with ANSI Z535.6-2006).

The signal word is meant to draw the reader's attention to the safety instruction and identifies the hazard severity.

The safety alert symbol (a triangle with an exclamation point), which precedes the signal words DANGER, WARNING and CAUTION, is used to alert the reader to personal injury hazards.

The Safety instructions in this documentation are designed as follows:

⚠️ **DANGER!**

In case of non-compliance with this safety instruction, death or serious injury **will** occur.

⚠️ **WARNING!**

In case of non-compliance with this safety instruction, death or serious injury **could** occur.

⚠️ **CAUTION!**

In case of non-compliance with this safety instruction, minor or moderate injury could occur.

❗ **NOTICE!**

In case of non-compliance with this safety instruction, property damage could occur.

Introduction and overview

General information

General information

The diagnostic entry also consists of a main and a detailed diagnostics.

Each main and detailed diagnostics contain a diagnostic number, a diagnostic text and further information.

The diagnostic numbers are each shown as 8-digit hexadecimal number.

Simplified example of a virtual diagnostic entry:

Main diagnostics: 090F2ABC axis error

Detailed diagnostics: 0C5512EF Position beyond the limit value

To ensure that each diagnostics is unique, the following applies to the complete ctrlX AUTOMATION system:

- Each main diagnostic number may only be defined once
- Each detailed diagnostic number together with a main diagnostics may only be defined once

The detailed structure of main and detailed diagnostic numbers differs essentially.

The structure of the main diagnostic number is explained in the chapter ↘ "Main diagnostics".

The structure of the detailed diagnostic number is not explained in detail, as this detailed diagnostic number can be defined by the OEM customer and the ctrlX World & Rexroth-internal partners.

Sole exception: Using "00000000" is not permitted.

Main diagnostics

.Main diagnostics

.Structure of a main diagnostics

.General structure of a main diagnostic number

Bits	31-30	29-24	23-21	20	19 -16	15-12	11-0
Description	Reserved	Source Type	Reserved	Reset	Diagnostic class	Status code: Priority	Status code: Number
Example		09		0	F	2	00C

.Detailed structure of a main diagnostic number

Bits	Value	Description	Remarks
31-30	0b00	**Reserved**	
29-24		**Source Type**	**Defines the functional scope of the main diagnostics**
	0x00-0x0D	Reserved	
	0x0E	OEM machine-specific	To be used only by the OEM customer to create individual diagnostics Example: Machine-specific application of an OEM
	0x0F	OEM machine-HMI application	To be used only by the OEM customer to create individual diagnostics Example: Visualization of the OEM managing the machine
	0x10-0x2F	Reserved	

Bits	Value	Description	Remarks
	0x30-0x37	ctrlX World & Rexroth-internal partners	Only to be used by ctrlX World & Rexroth internal partners to create diagnostics As the diagnostic number have to remain unique in the system, the number to be used is assigned to each Bosch Rexroth partner
	0x38-0x3F	Reserved	
23-21	0x0	**Reserved**	

20	0b0/0b1	**Reset**	**Defines whether the diagnostics is still active or not active anymore.**
			
			Note: If the ctrlX CORE diagnostic interface (or the respective Data Layer interface at the address *diagnosis*) is used, the diagnostic system manages this bit. Thus, it always has to be set to "0".
			
			Only used for the classes "Warning" (0xE) and "Error" (0xF). "Messages" (0xA) are always active (0b0).
			
			- 0: Cause of the error/warning is (still) active.
			  Behavior after *Clear error*:
			  - Error: The error remains active and is still shown in the dialog Pending Diagnostics
			  - Warning: Not affected by *Clear error*
			- 1: Cause of the error/warning not active (anymore)
			  Behavior after *Clear error*:
			  - Error: The error is reset and deleted and it is not displayed anymore in Pending Diagnostics dialog
			  - Warning: Not affected by *Clear error*

19-16		**Diagnostic class**	**Defines the class and thus the type of the main diagnostics**

Bits	Value	Description	Remarks
	0xA	Message	**Use:** Information on operating states or other information **Example:** e.g. "Booting completed", "Application download completed"
	0xE	Warning	**Use:** Warning against specific states in the system **Example:** e.g. "Temperature warning", "Hard disk memory at minimum"
	0xF	Errors	**Use:** Reporting an error on specific states in the system **Example:** e.g. "Maximum temperature exceeded - System shutdown", "General error of the axis"
	Other	Reserved	

Bits	Value	Description	Remarks
15-0	0x0000 - 0xFFFF	Status code	Defines the priority and a specific number

Defines the priority and a specific number

- The status code contains 4 bits with the priority (bits 15-12) and a specific number (bits 11-0).
- The complete range of the specific number defined in the following can be used. Ensure that each main diagnostic number is unique in the ctrlX AUTOMATION system

The structures and responses described in the following differ for the diagnostic classes (0xA, 0xE, 0xF):

0xA - Status codes "Message":

Range: 0x0000 → 0x0FFF (consequently: 0xA0000 → 0xA0FFF) → max. 4096 diagnostics allowed, as only 0xA0 is valid

Priority: No priorities, but priority bits are reserved and have to be set to 0

Responses: No response

0xE - Status codes "Warning":

Range: 0x0000 → 0x0FFF (consequently: 0xE0000 → 0xE0FFF) → max. 4096 diagnostics allowed, as only 0xE0 is valid

Priority: No priorities, but priority bits are reserved and have to be set to 0

Responses: No response

0xF - Status codes "Error":

Range (per priority): 0x000 → 0xFFF (e.g for priority 2: 0xF2000 → 0xF2FFF) → max. 4096 diagnostics allowed per priority

Priority: Refer to the following table

Responses: Refer to the following table

Priority	General significance	Response and notes
0	Non-fatal error	No error response

Bits	Value	Description	Remarks		

			2	Stop of an individual axis/kinematics	■ A response is executed for:
					
					   ■ an individual axis or kinematics, managed by the ctrlX CORE Motion component
					   ■ Errors reported by all ctrlX CORE components and user components via the ctrlX CORE diagnostic interface
					   ■ Errors issued via the Data Layer diagnostic interface
					
					■ A response is only executed if the error contains the correct entity of an individual axis or kinematics

			6	Stop of all axes/kinematics	■ A response is executed for:
					
					   ■ all axes or kinematics managed by the ctrlX CORE Motion component
					   ■ Errors reported by all ctrlX CORE components and user components via the ctrlX CORE diagnostic interface
					   ■ Errors issued via the Data Layer diagnostic interface

			8	Fatal application error (exception or forced F8 error) in an app (e.g. rexroth-automationcore)	Shutdown of the ctrlX CORE Runtime (and thus all included applications)

Bits	Value	Description	Remarks		
			9	Fatal system error (exception or forced F9 error) in an app (e.g. rexroth-automationcore)	Shutdown of the ctrlX CORE Runtime (and thus all included applications)

Further information

Further information

For more information on the diagnostics, refer to:

- Chapter ctrlX diagnostic system
  ctrlX OS Runtime, Application Manual
  DOK-XCORE*-XCR***V02**-APRS-EN-P

Tables of the ctrlX diagnostic system

SourceType 0x08 - CDP (Control Device Platform)

080A000E Trace message script.manager

The component "script.manager" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A000F Trace message script.python

The component "script.python" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0042 Scheduler message

A message occurred in the scheduler system.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B4262

▶ 0C7B4277

▶ 0C7B4278

080A0100 Error cleared

The command "Clear error" was executed.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C666008

080A0101 Command "Errors cleared" executed

080A0101 Command "Errors cleared" executed

Either the command "*diagnosis/confirm/all-errors*" (Clear all errors) or the command "*diagnosis/confirm/error*" (Clear single error) was executed.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C666009

▶ 0C66600A

080A0102 No pending errors and warnings

Currently, no errors or warnings are pending in the diagnostic system. It includes active errors and warnings as well as reset errors.

080A0103 Command "Reset all pending diagnostics" executed

080A0103 Command "Reset all pending diagnostics" executed

The command "*diagnosis/reset/all-pending*" (resetting pending errors and warnings) was executed.

080A0110 Trace message common.log.diagnosis

The component "common.log.diagnosis" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080A0112 Trace message common.log.trace

The component "common.log.trace" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0300 Security: Change in user management

For the change made, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0000

▶ 0C7A0001

▶ 0C7A0002

▶ 0C7A0003

▶ 0C7A0004

▶ 0C7A0005

▶ 0C7A0006

▶ 0C7A0007

▶ 0C7A0008

▶ 0C7A0009

▶ 0C7A000A

▶ 0C7A000B

▶ 0C7A000C

▶ 0C7A000D

▶ 0C7A000E

▶ 0C7A000F

▶ 0C7A0010

▶ 0C7A0011

▶ 0C7A0012

▶ 0C7A0053

▶ 0C7A0054

▶ 0C7A0055

▶ 0C7A0056

080A0301 Security: Change in certificate management

For the change made, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0020

▶ 0C7A0021

▶ 0C7A0022

▶ 0C7A0023

▶ 0C7A0024

▶ 0C7A0025

▶ 0C7A0026

▶ 0C7A0027

▶ 0C7A0028

▶ 0C7A0029

▶ 0C7A002A

▶ 0C7A002B

▶ 0C7A002C

▶ 0C7A002D

▶ 0C7A002E

▶ 0C7A002F

▶ 0C7A0045

▶ 0C7A0046

▶ 0C7A0047

▶ 0C7A0048

▶ 0C7A0049

▶ 0C7A004A

080A0302 Security: Change in firewall configuration

For the change made, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0030

▶ 0C7A0031

▶ 0C7A0032

▶ 0C7A0033

▶ 0C7A0034

▶ 0C7A0035

▶ 0C7A0036

▶ 0C7A0037

▶ 0C7A0038

080A0303 Security: Change in vpn configuration
For the change made, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0040

▶ 0C7A0041

▶ 0C7A0042

▶ 0C7A0043

▶ 0C7A0044

080A0304 Security: Change to remote logging administration
For the change made, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0070

▶ 0C7A0071

▶ 0C7A0072

▶ 0C7A0073

▶ 0C7A0074

▶ 0C7A0075

▶ 0C7A0076

▶ 0C7A0077

080A0400 Loading configuration started
The summary task "Loading configuration" was started.

080A0401 Loading configuration successfully finished
The summary task "Loading configuration" was completed successfully.

080A0402 Saving configuration started
The summary task "Saving configuration" was started.

080A0403 Saving configuration successfully finished
The summary task "Saving configuration" was completed successfully.

080A0410 Trace message web.common.logger
The component "web.common.logger" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0420 Creating setup

Setup creation was started.

080A0421 Setup created
Setup creation was ended.

080A0422 Setup started
Setup was started.

080A0423 Setup finished
Setup was ended.

080A0450 Archive successfully created
The archive was created successfully.

080A0451 Archive successfully restored
The archive was restored successfully.

080A0500 Change in network management
For details, refer to the respective detailed diagnostics.

Detailed diagnostics
▶ 0C640000

▶ 0C640003

▶ 0C640004

▶ 0C640005

▶ 0C640006

▶ 0C640007

▶ 0C640008

▶ 0C640009

▶ 0C64000A

▶ 0C64000B

▶ 0C64000D

080A0510 PackageManager information
For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641000

▶ 0C641001

▶ 0C641002

▶ 0C641003

▶ 0C641004

▶ 0C641005

▶ 0C641006

▶ 0C641007

▶ 0C64100C

▶ 0C641014

▶ 0C641017

▶ 0C641019

080A0520 Storage management information
For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641200

▶ 0C641201

080A0530 System management change
For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641300

▶ 0C641302

▶ 0C641304

▶ 0C641306

▶ 0C6413D3

080A0600 Trace message comm.datalayer
The component "comm.datalayer" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0601 Trace message comm.datalayer.framework
The component "comm.datalayer.framework" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0602 Trace message web.automation
The component "web.automation" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0603 Trace message common.systemhandler
The component "common.systemhandler" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0604 Trace message app.automationframework
The component "app.automationframework" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080A0650 Application "Automation Core" event
080A0650 Application "Automation Core" event

An event occurred in the application "Automation Core".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7C0100

▶ 0C7C0101

▶ 0C7C0102

▶ 0C7C0104

▶ 0C7C0105

080A0FFF Trace message common.scheduler

The component "common.scheduler" issued a trace message.

For details, refer to further elements of the respective entry in the log.

080E000E Trace warning script.manager

The component "script.manager" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E000F Trace warning script.python

The component "script.python" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0017 Hardware watchdog warning

The hardware watchdog was disabled and a secure machine operation cannot be ensured.

For the exact cause and remedy, refer to the respective detailed diagnostics with regard to the hardware watchdog of the ctrlX CORE runtime software.

Detailed diagnostics

▶ 0C7B4223

080E0023 Utilization in the critical section "WARNING"

080E0023 Workload in critical range "WARNING"

The maximum load of the Scheduler cycle time exceeded the limit value for a warning.

The maximum load of the cycle time of the Scheduler results from the maximum required runtime *scheduler/admin/info/duration/total/max* related to the nominal cycle time *scheduler/admin/properties/cycletime*. The nominal cycle time of the Scheduler results from the total cycle time of the configured user tasks *scheduler/tasks*.

If the maximum load of the Scheduler exceeds the limit value projected in the *scheduler/admin/utilization/threshold-warning* node, a warning is issued.

max. degree of load = (maximum required runtime of the Scheduler) / (nominal cycle time of the scheduler) * 100%

The maximum load of the Scheduler can be reduced by increasing the cycle times of the projected user tasks. Priority

should be given to tasks with low cycle times. Another remedy for the problem is to adjust the ratios of the cycle times to the user tasks to ensure that the Scheduler task can operate at a lower cycle rate.

If the problem is caused only by a rare small exceedance of the limit value, the limit value *scheduler/admin/utilization/threshold-warning* can be increased.

If the problem occurred only once and does not cause any permanent problems during project engineering, the maximum required runtime *scheduler/admin/info/duration/total/max* can also be reset via the *scheduler/admin/info/duration/reset* node.

Detailed diagnostics

▶ 0C7B4279

080E0110 Trace warning common.log.diagnosis

The component "common.log.diagnosis" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0112 Trace warning common.log.trace

The component "common.log.trace" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0200 HTTP client error

The request was invalid and could not be processed.

For the exact cause and remedy, refer to the detailed diagnostics.

Detailed diagnostics

▶ 0C7A0202

▶ 0C7A0203

▶ 0C7A0204

▶ 0C7A0205

▶ 0C7A0206

▶ 0C7A0207

080E0300 Security: User management warning

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0050

▶ 0C7A0051

▶ 0C7A0052

▶ 0C7A0057

080E0301 Security: Certificate management warning

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0060

080E0304 Security: Warning in remote logging administration

For the exact cause and remedy, refer to the respective detailed diagnostics.

080E0305 Bootloader unlocked!

The bootloader was enabled.

The device must no longer be used in productive operation. An existing certification acc. to IEC 62443 is not valid anymore.

For more information, refer to the following documents:

- "Secure Configuration Manual ctrlX DRIVEplus" (R911411573)
- "Security Guideline Electric Drives and Controls" (R911342562)

Detailed diagnostics

▶ 0C7A00A0

080E0410 Trace warning web.common.logger

The component "web.common.logger" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0500 Warning in network management

A warning was issued in the network management.

080E0510 PackageManager warning

For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C64100A

▶ 0C64100D

▶ 0C64101B

080E0520 Storage management warning

For details, refer to the respective detailed diagnostics.

080E0530 System management warning
For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641307

080E0540 Warning detected during health monitoring
An warning occurred during the control monitoring.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C66003A

▶ 0C66003B

▶ 0C66003F

▶ 0C660040

▶ 0C660042

080E0550 License manager warning
A waning occurred in the license manager.

Detailed diagnostics

▶ 0C7A0090

▶ 0C7A0091

▶ 0C7A0092

▶ 0C7A0095

▶ 0C7A0096

080E05FF Device Administration: Warning
A warning was issued in the "Device Administration" section.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641F00

080E0600 Trace warning comm.datalayer
The component "comm.datalayer" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0601 Trace warning comm.datalayer.framework

The component "comm.datalayer.framework" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0602 Trace warning web.automation

The component "web.automation" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0603 Trace warning common.systemhandler

The component "common.systemhandler" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0604 Trace warning app.automationframework

The component "app.automationframework" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080E0FFF Trace warning common.scheduler

The component "common.scheduler" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

080F0000 Error in process handling for script instance

An error occurred in the process handling of the script instance.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270000

▶ 0C270001

▶ 0C270002

▶ 0C270003

▶ 0C270004

▶ 0C270005

080F0001 Error during backup or restoration of script manager

An error occurred during the backup or restoration of the script manager.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270100

▶ 0C270101

▶ 0C270102

▶ 0C270103

▶ 0C270104

▶ 0C270105

▶ 0C270106

080F000E Trace error script.manager

The component "script.manager" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F000F Trace error script.python

The component "script.python" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0017 Task watchdog error

A task watchdog occurred.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B1717

080F0023 Error on configuration

An error occurred during the configuration.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B4260

▶ 0C7B4261

▶ 0C7B4286

080F0042 Error in Scheduler system

An error occurred in the scheduler system.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B4201

▶ 0C7B4202

▶ 0C7B4270

▶ 0C7B4272

▶ 0C7B4273

▶ 0C7B4274

▶ 0C7B4275

▶ 0C7B4276

▶ 0C7B4282

▶ 0C7B4283

▶ 0C7B4284

▶ 0C7B4285

080F0100 Error in diagnostic system

An error occurred in the diagnostic system.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C666000

▶ 0C666001

▶ 0C666002

▶ 0C666003

▶ 0C666004

▶ 0C666005

▶ 0C666006

▶ 0C666007

▶ 0C66600B

▶ 0C66600D

▶ 0C66600E

▶ 0C66600F

▶ 0C666011

▶ 0C666012

080F0110 Trace error common.log.diagnosis

The component "common.log.diagnosis" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0112 Trace error common.log.trace

The component "common.log.trace" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0200 HTTP server error

The server could not execute a valid request.

For the exact cause and remedy, refer to the detailed diagnostics.

Detailed diagnostics

▶ 0C7A0200

▶ 0C7A0201

080F0300 Security: Error in certificate management

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0061

▶ 0C7A0062

▶ 0C7A0063

080F0304 Security: Error in remote logging administration

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0080

▶ 0C7A0081

▶ 0C7A0082

080F0400 Loading configuration failed

Loading failed at least for one device involved in the summary task "Loading configuration".

Summary task "Loading configuration" starts due to the last issued diagnostic message 080A0400 ↘ 080A0400.

There can be further diagnostic messages between the start message and this error message. The diagnostic messages can provide detailed information on the problems resulting for the devices while loading.

080F0402 Saving configuration failed

Saving failed at least for one device involved in the summary task "Saving configuration".

Summary task "Saving configuration" starts due to the last issued diagnostic message ↘ 080A0402.

There can be further diagnostic messages between the start message and this error message. The diagnostic messages can provide detailed information on the problems resulting for the devices while saving.

080F0410 Trace error web.common.logger

The component "web.common.logger" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0420 Creating setup failed

Setup creation failed.

080F0422 Setup failed

Setup failed.

080F0450 Backup failed

An error occurred when creating the archive.

For details, refer to further elements of the respective entry in the log.

080F0451 Restore operation failed

An error occurred when restoring the archive.

For details, refer to further elements of the respective entry in the log.

080F0452 Restore operation failed completely

An error occurred when resetting the control to its initial state.

For details, refer to further elements of the respective entry in the log.

080F0500 Error in network management

An error occurred in the network management.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C640001

▶ 0C640002

▶ 0C64000C

080F0510 PackageManager error

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641008

▶ 0C641009

▶ 0C64100B

▶ 0C64100E

▶ 0C64100F

▶ 0C641010

▶ 0C641011

▶ 0C641012

▶ 0C641013

▶ 0C641015

▶ 0C641016

▶ 0C641018

▶ 0C64101A

▶ 0C64101C

▶ 0C64101D

▶ 0C64101E

▶ 0C64101F

▶ 0C641020

▶ 0C641021

▶ 0C641022

▶ 0C641023

▶ 0C641024

▶ 0C641025

▶ 0C641026

▶ 0C641027

▶ 0C641028

▶ 0C641029

▶ 0C64102A

▶ 0C64102B

▶ 0C64102C

▶ 0C64102D

▶ 0C64102E

▶ 0C64102F

▶ 0C641030

080F0520 Storage management error

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641202

080F0530 System management error

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641301

▶ 0C641303

▶ 0C641305

080F0540 Failure detected during health monitoring

An error occurred during the control monitoring.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C660038

▶ 0C660039

▶ 0C66003D

▶ 0C66003E

▶ 0C660043

080F0550 Error in license management

An error occurred in the license management.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0091

▶ 0C7A0092

▶ 0C7A0095

▶ 0C7A009B

080F0560 Error in device discovery

An error occurred in the device detection.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C641404

▶ 0C641414

▶ 0C641424

▶ 0C641434

080F0600 Trace error comm.datalayer

The component "comm.datalayer" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0601 Trace error comm.datalayer.framework

The component "comm.datalayer.framework" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0602 Trace error web.automation

The component "web.automation" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0603 Trace error common.systemhandler

The component "common.systemhandler" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0604 Trace error app.automationframework

The component "app.automationframework" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F0650 Application "Automation Core" error

080F0650 Application "Automation Core" error

An error occurred in the application "Automation Core".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7C0103

▶ 0C7C0106

080F0E00 Loading configuration not possible in current state

Loading the configuration is not possible in the current state.

For the exact cause and remedy, refer to the respective detailed diagnostics.

080F0FFF Trace error common.scheduler

The component "common.scheduler" issued a trace error.

For details, refer to further elements of the respective entry in the log.

080F2000 Error while running script

Error while processing the script.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270200

▶ 0C270201

▶ 0C270202

▶ 0C270203

▶ 0C270204

▶ 0C270205

▶ 0C270206

▶ 0C270207

▶ 0C270208

▶ 0C270209

▶ 0C27020A

▶ 0C27020B

▶ 0C270308

▶ 0C270400

080F2001 Error in task/requ. comm. between script manager/instance

A communication fault occurred between the script manager and the script instance.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270300

▶ 0C270301

▶ 0C270302

▶ 0C270303

▶ 0C270304

▶ 0C270305

▶ 0C270306

▶ 0C270307

▶ 0C270309

080F2002 Error in Data Layer of script manager

An error occurred in the Data Layer of the script manager.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270202

▶ 0C270207

▶ 0C270308

▶ 0C270400

080F2003 Error in system configuration

The system configuration is incorrect.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270500

080F6017 Task watchdog error

A task watchdog occurred.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B2317

080F6019 Utilization in the critical section "FATAL"

080F6019 Workload in critical range "FATAL"

The maximum load of the Scheduler cycle time exceeded the limit value for a fatal error. The Motion is switched to the SERVICE state.

The maximum load of the cycle time of the Scheduler results from the maximum required runtime *scheduler/admin/info/duration/total/max* related to the nominal cycle time *scheduler/admin/properties/cycletime*. The nominal cycle time of the Scheduler results from the total cycle time of the configured user tasks *scheduler/tasks*.

If the maximum required runtime *scheduler/admin/info/duration/total/max* exceeds the nominal cycle time *scheduler/admin/properties/cycletime*, an error is issued and the system is switched to the SERVICE state. The projected user tasks are not called any further. All installed applications are stopped and they are subsequently in an initial state.

max. degree of load = (maximum required runtime of the Scheduler) / (nominal cycle time of the scheduler) * 100%

The maximum load of the Scheduler can be reduced by increasing the cycle times of the projected user tasks. Priority should be given to tasks with low cycle times. Another remedy for the problem is to adjust the ratios of the cycle times to the user tasks to ensure that the Scheduler task can operate at a lower cycle rate.

If the problem occurred only once and does not cause any permanent problems during project engineering, the maximum required runtime *scheduler/admin/info/duration/total/max* can also be reset via the *scheduler/admin/info/duration/reset* node.

Detailed diagnostics

▶ 0C7B4281

080F6023 Utilization in the critical section "ERROR"

080F6023 Workload in critical range "ERROR"

The maximum load of the Scheduler cycle time exceeded the limit value for an error.

The maximum load of the cycle time of the Scheduler results from the maximum required runtime *scheduler/admin/info/duration/total/max* related to the nominal cycle time *scheduler/admin/properties/cycletime*. The nominal cycle time of the Scheduler results from the total cycle time of the configured user tasks *scheduler/tasks*.

If the maximum load of the Scheduler exceeds the limit value projected in the *scheduler/admin/utilization/threshold-error* node, an error is issued.

max. degree of load = (maximum required runtime of the Scheduler) / (nominal cycle time of the scheduler) * 100%

The maximum load of the Scheduler can be reduced by increasing the cycle times of the projected user tasks. Priority should be given to tasks with low cycle times. Another option to solve the problem is to adjust the ratios between the cycle times and the user tasks to ensure that the Scheduler task can operate at a lower cycle rate.

If the problem is caused only by a rare small exceedance of the limit value, the limit value *scheduler/admin/utilization/threshold-error* can be increased.

If the problem occurred only once and does not cause any permanent problems during project engineering, the maximum required runtime *scheduler/admin/info/duration/total/max* can also be reset via the *scheduler/admin/info/duration/reset* node.

Detailed diagnostics

▶ 0C7B4280

080F6042 Error in Scheduler system
An error occurred in the scheduler system.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B4226

▶ 0C7B4250

▶ 0C7B4264

▶ 0C7B4265

▶ 0C7B4269

▶ 0C7B4271

080F6550 Critical error in license management
A critical n error occurred in the license management.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0091

▶ 0C7A0092

080F8017 Hardware watchdog error

A hardware watchdog occurred.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B4217

▶ 0C7B4218

▶ 0C7B4219

▶ 0C7B4221

▶ 0C7B4222

▶ 0C7B4227

▶ 0C7B4228

▶ 0C7B4267

▶ 0C7B4268

080F8042 Error in Scheduler system

An error occurred in the scheduler system.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7B4200

▶ 0C7B4210

▶ 0C7B4220

▶ 0C7B4224

▶ 0C7B4225

▶ 0C7B4230

▶ 0C7B4242

▶ 0C7B4266

▶ 0C7B4267

080F9540 Critical failure detected during health monitoring

An critical error occurred during the control monitoring.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C66003C

▶ 0C660041

080F9550 Fatal error in license management

A fatal error occurred in the license management.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C7A0091

▶ 0C7A0092

▶ 0C7A0093

▶ 0C7A0094

SourceType 0x09 - Motion Application

090A0000 Commanded dynamic parameters exceed axis limits

The commanded dynamic parameters exceed the configured axis limits.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550145

▶ 0C550531

▶ 0C550532

090A0001 Commanded dynamic parameters exceed kinematic limits

The commanded dynamic parameters exceed the configured kinematic limits.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550145

090A0002 Configuration modified booting

Booting changed the configuration.

For the exact cause, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560450

090A0003 Motion object error level set by application

The application commanded a runtime error for the Motion object.

Detailed diagnostics

▶ 0C570006

090A0004 Waiting for motion license

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560275

090A0010 Message in the jog command of the axis

A message was issued in the axis jog command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550147

090A0011 Message in the jog command of the kinematics

A message was issued in the kinematic jog command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550147

090A0201 AxisProfile booting message

While booting, a message was issued in the axis profile.

Detailed diagnostics

▶ 0C580700

▶ 0C580701

▶ 0C580702

▶ 0C580703

▶ 0C580704

▶ 0C580705

▶ 0C580706

▶ 0C580707

▶ 0C580708

▶ 0C580709

▶ 0C58070A

▶ 0C58070B

090A02FF Trace message common.axisprofile
The component "common.axisprofile" issued a trace message.

For details, refer to further elements of the respective entry in the log.

090A04FF Trace message plc.cmp.motion
The component "plc.cmp.motion" issued a trace message.

For details, refer to further elements of the respective entry in the log.

090A0500 Axis limits exceeded
The axis limits was exceeded.

Detailed diagnostics

▶ 0C550531

090A0501 Command message for the synchronized position motion
A command message on the synchronized position motion occurred.

Detailed diagnostics

▶ 0C550532

090A0FFD Trace message motion.script
The component "motion.script" issued a trace message.

For details, refer to further elements of the respective entry in the log.

090A0FFE Trace message motion.collisionavoidance
The component "motion.collisionavoidance" issued a trace message.

For details, refer to further elements of the respective entry in the log.

090A0FFF Trace message motion.core
The component "motion.core" issued a trace message.

For details, refer to further elements of the respective entry in the log.

090E0000 Commanded dynamic parameters exceed axis limits
The commanded dynamic parameters exceed the configured axis limits.

Detailed diagnostics

▶ 0C550530

▶ 0C560100

▶ 0C560101

▶ 0C560102

▶ 0C560103

▶ 0C560104

090E0001 Commanded dynamic parameters exceed kinematic limits
The commanded dynamic parameters exceed the configured kinematic limits.

Detailed diagnostics

▶ 0C560100

▶ 0C560101

▶ 0C560102

▶ 0C560103

▶ 0C560104

090E0002 Gantry configuration inconsistent
The Gantry configuration is inconsistent.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560242

▶ 0C560243

▶ 0C560244

▶ 0C560245

▶ 0C560246

▶ 0C560247

▶ 0C560248

▶ 0C560249

090E0010 Warning in jog command of the axis
A warning was issued in the axis jog command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550145

090E0011 Warning in the jog command of the kinematics
A warning was issued in the kinematic jog command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550145

090E0201 AxisProfile booting warning
A warning was issued while the axis profile was booting.

Detailed diagnostics

▶ 0C580500

▶ 0C580501

▶ 0C580502

▶ 0C580503

▶ 0C580504

▶ 0C580505

▶ 0C580506

090E02FF Trace warning common.axisprofile

The component "common.axisprofile" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

090E04FF Trace warning plc.cmp.motion

The component "plc.cmp.motion" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

090E0500 Warning: Axis limits exceeded

A warning was issued stating that the axis limits were exceeded.

Detailed diagnostics

▶ 0C550530

090E0FFD Trace warning motion.script

The component "motion.script" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

090E0FFE Trace warning motion.collisionavoidance

The component "motion.collisionavoidance" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

090E0FFF Trace warning motion.core

The component "motion.core" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

090F0000 General AxisProfile error

090F0000 General axis profile error

A general error occurred.

Detailed diagnostics

▶ 0C580001

▶ 0C580002

▶ 0C580402

▶ 0C580403

090F0001 AxisProfile configuration error

090F0001 Axis profile configuration error

The configuration is incorrect.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C580030

▶ 0C580061

▶ 0C580062

▶ 0C580063

▶ 0C580064

▶ 0C580065

▶ 0C580071

▶ 0C580072

▶ 0C580073

▶ 0C580080

▶ 0C580081

▶ 0C580082

▶ 0C580083

▶ 0C580090

▶ 0C580091

▶ 0C580097

090F0002 AxisProfile profile error

090F0002 Profile error in axis profile

An error occurred in a profile.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C580098

▶ 0C580100

▶ 0C580101

090F0003 AxisProfile Data Layer provider error

090F0003 Data Layer provider error in axis profile

An error occurred in a node of the Data Layer.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▸ 0C580000

▸ 0C580001

▸ 0C580003

▸ 0C580004

▸ 0C580005

▸ 0C580006

▸ 0C580030

▸ 0C580031

▸ 0C580032

▸ 0C580050

▸ 0C580051

▸ 0C580052

▸ 0C580060

▸ 0C580070

▸ 0C580071

▸ 0C580092

▸ 0C580093

▸ 0C580094

▸ 0C580095

▸ 0C580096

▸ 0C580200

090F0004 AxisProfile state machine error
An error occurred in the state machine.

Detailed diagnostics

▶ 0C580053

▶ 0C580054

090F0005 AxisProfile error on connected device
An axis profile error occurred at the connected device.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C580300

▶ 0C580301

090F0006 Error in axis profile of the touch probe
An error occurred in the axis profile of the touch probe.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C580350

▶ 0C580351

▶ 0C580352

090F0050 License for current configuration missing
The license is missing for the configuration.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C55052E

▶ 0C55052F

▶ 0C56020F

▶ 0C560210

090F0051 Axis configuration error
An error occurred in the axis configuration.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550183

▶ 0C550184

▶ 0C550185

▶ 0C550501

▶ 0C550541

▶ 0C560200

▶ 0C560230

▶ 0C560231

▶ 0C560232

▶ 0C560233

▶ 0C560234

▶ 0C560235

▶ 0C560236

▶ 0C560240

▶ 0C560241

▶ 0C56024A

▶ 0C56024B

▶ 0C56024C

▶ 0C560254

▶ 0C560255

▶ 0C560256

▶ 0C570002

▶ 0C570101

090F0052 Kinematic configuration error

An error occurred in the kinematic configuration.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550273

▶ 0C550272

▶ 0C560230

▶ 0C560231

▶ 0C560232

▶ 0C560233

▶ 0C560234

▶ 0C560235

▶ 0C560236

▶ 0C560240

▶ 0C560250

▶ 0C560253

▶ 0C560254

▶ 0C560255

▶ 0C560256

▶ 0C560257

▶ 0C560258

▶ 0C560259

▶ 0C560260

▶ 0C560261

▶ 0C560262

▶ 0C560263

▶ 0C560264

▶ 0C560265

▶ 0C570002

▶ 0C570101

090F0053 Error in system configuration

090F0053 Error in configuration of the Motion system

An error occurred in the system configuration.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560201

▶ 0C560203

▶ 0C560204

▶ 0C560205

▶ 0C560206

▶ 0C560207

▶ 0C560208

▶ 0C560209

▶ 0C56020A

▶ 0C56020B

▶ 0C56020C

▶ 0C56020D

▶ 0C56020E

▶ 0C560211

▶ 0C570101

090F0054 Error during backup or restoration

Error occurred while backing up or restoring.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550606

▶ 0C560201

▶ 0C560202

▶ 0C560220

▶ 0C560222

▶ 0C560223

▶ 0C560224

▶ 0C560225

▶ 0C560226

▶ 0C560227

▶ 0C560228

▶ 0C560229

▶ 0C56022A

▶ 0C570101

090F02FF Trace error common.axisprofile

The component "common.axisprofile" issued a trace error.

For details, refer to further elements of the respective entry in the log.

090F0400 Error in plc data

An error occurred in the PLC data.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C570450

090F04FF Trace error plc.cmp.motion

The component "plc.cmp.motion" issued a trace error.

For details, refer to further elements of the respective entry in the log.

090F0500 Error when loading the calculation pipeline

An error occurred when loading the calculation pipeline.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550501

▶ 0C550502

▶ 0C550503

▶ 0C550504

▶ 0C550505

▶ 0C550506

▶ 0C550507

▶ 0C550508

▶ 0C550509

▶ 0C55050A

▶ 0C55050B

▶ 0C55050C

090F0501 Error when configuring the calculation pipeline

An error occurred when configuring the calculation pipeline.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550501

▶ 0C550502

▶ 0C550503

▶ 0C550504

▶ 0C550505

▶ 0C550506

▶ 0C550507

▶ 0C550508

▶ 0C550509

▶ 0C55050A

▶ 0C55050B

▶ 0C55050C

090F0502 Non-fatal error when validating the calculation pipeline

A non-fatal error occurred when validating the calculation pipeline.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C55050D

▶ 0C55050E

▶ 0C55050F

▶ 0C550510

▶ 0C550511

▶ 0C550512

▶ 0C550513

▶ 0C550514

▶ 0C550515

▶ 0C550516

090F0503 Non-fatal error in axis command "GearInPos"

090F0503 Non-fatal error in axis command "GearInPos"

A non-fatal error occurred in the axis command "GearInPos".

For the exact cause and remedy, refer to the respective detailed diagnostics.

090F0504 Non-fatal error in calculation pipeline

A non-fatal error occurred in the calculation pipeline.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550522

▶ 0C550535

▶ 0C550600

▶ 0C550601

▶ 0C550602

▶ 0C550603

▶ 0C550604

▶ 0C550605

▶ 0C550606

▶ 0C550607

▶ 0C550608

▶ 0C550609

▶ 0C55060A

▶ 0C55060B

▶ 0C55060C

▶ 0C55060D

▶ 0C55060E

▶ 0C55060F

▶ 0C550610

▶ 0C550611

▶ 0C550612

▶ 0C550613

▶ 0C550614

▶ 0C550615

▶ 0C550616

▶ 0C550617

▶ 0C550618

▶ 0C550619

▶ 0C55061A

▶ 0C55061B

▶ 0C55061C

▶ 0C55061D

▶ 0C55061E

▶ 0C55061F

▶ 0C550620

▶ 0C550621

▶ 0C550622

▶ 0C550623

▶ 0C550624

▶ 0C550628

090F0505 Error when calling calculation step by the Data Layer

An error occurred when the Data Layer started the calculation step.

For the exact cause and remedy, refer to the respective detailed diagnostics.

090F0506 Error when calling calculation step param by the Data Layer

An error occurred when the Data Layer started the calculation step param.

For the exact cause and remedy, refer to the respective detailed diagnostics.

090F0507 MAIN_DIAG_MOTION_CORE_GEARINVEL_CMD_ERROR_F0

For the exact cause and remedy, refer to the respective detailed diagnostics.

090F0FFD Trace error motion.script

The component "motion.script" issued a trace error.

For details, refer to further elements of the respective entry in the log.

090F0FFE Trace error motion.collisionavoidance

The component "motion.collisionavoidance" issued a trace error.

For details, refer to further elements of the respective entry in the log.

090F0FFF Trace error motion.core

The component "motion.core" issued a trace error.

For details, refer to further elements of the respective entry in the log.

090F2000 Device error

An error occurred at a connected device.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550001

▶ 0C550102

▶ 0C560245

▶ 0C560246

090F2001 General command error

A general command error occurred.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C570000

▶ 0C570003

▶ 0C570004

▶ 0C570005

▶ 0C570008

▶ 0C570009

▶ 0C570100

▶ 0C570101

▶ 0C57010B

090F2002 General axis command error

An error occurred while commanding an axis.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550100

▶ 0C550101

▶ 0C550270

▶ 0C550271

▶ 0C560000

▶ 0C560001

▶ 0C570007

▶ 0C570100

▶ 0C570103

▶ 0C570105

▶ 0C570106

▶ 0C570107

▶ 0C570108

▶ 0C57010F

▶ 0C570160

▶ 0C570164

090F2003 Error in axis command "AddToKin"

090F2003 Error in axis command "AddToKin"

An error occurred during the axis command "AddToKin".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550110

▶ 0C550112

▶ 0C550113

▶ 0C550114

▶ 0C550120

▶ 0C570100

▶ 0C57010A

▶ 0C57010C

090F2004 Error in axis command "RemoveFromKin"

090F2004 Error in axis command "RemoveFromKin"

An error occurred during the axis command "RemoveFromKin".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550110

▶ 0C550120

▶ 0C570100

090F2005 Error in axis command "AddToMaster"

090F2005 Error in axis command "AddToMaster"

An error occurred during the axis command "AddToMaster".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550130

090F2006 Axis limit exceeded
The limit value of the axis is exceeded.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560100

▶ 0C560101

▶ 0C560102

▶ 0C560103

▶ 0C560104

▶ 0C560105

▶ 0C560106

▶ 0C560107

▶ 0C56024A

▶ 0C570160

▶ 0C570161

▶ 0C570162

▶ 0C570163

▶ 0C570164

090F2007 Error in axis jog command

An error occurred while jogging the axis.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550140

▶ 0C550141

▶ 0C550142

▶ 0C550145

▶ 0C570160

▶ 0C570164

090F2008 Error in axis Gantry command

An error occurred during the axis gantry command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550150

▶ 0C550151

▶ 0C550152

▶ 0C550153

▶ 0C550154

▶ 0C550156

▶ 0C550157

▶ 0C550159

▶ 0C55015A

090F2009 Error in axis command "AddToGantry"

090F2009 Error in axis command "AddToGantry"

An error occurred during the axis command "AddToGantry".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550155

▶ 0C550158

▶ 0C570100

▶ 0C57010A

▶ 0C57010C

090F200A Error in axis command "RemoveFromGantry"

090F200A Error in axis command "RemoveFromGantry"

An error occurred during the axis command "RemoveFromGantry".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550158

▶ 0C55015B

▶ 0C570100

090F200B Axis configuration error

The axis configuration is incorrect.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560200

▶ 0C560230

▶ 0C560231

▶ 0C560232

▶ 0C560233

▶ 0C560234

▶ 0C560235

▶ 0C560236

▶ 0C560240

▶ 0C560241

▶ 0C560254

▶ 0C560255

▶ 0C560256

▶ 0C570002

▶ 0C570101

090F200C General axis command error

An error occurred while commanding an axis.

090F200D Error in abort command of the axis

An error occurred in the abort command of the axis.

Detailed diagnostics

▶ 0C550180

▶ 0C550181

▶ 0C550182

▶ 0C560102

▶ 0C560104

▶ 0C57010D

090F200E Error in axis reset command

An error occurred in the axis command "Reset".

For the exact cause, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550100

▶ 0C550160

▶ 0C550161

▶ 0C550162

▶ 0C550163

▶ 0C550164

▶ 0C550180

▶ 0C550181

▶ 0C550182

090F200F Error in axis command MoveVelocity

An error occurred in the axis command "MoveVelocity".

For the exact cause, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550170

▶ 0C550171

▶ 0C550172

▶ 0C550173

▶ 0C550174

▶ 0C550180

▶ 0C550181

▶ 0C550182

090F2010 Kinematic configuration error

The kinematic configuration is incorrect.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560230

▶ 0C560231

▶ 0C560232

▶ 0C560233

▶ 0C560234

▶ 0C560235

▶ 0C560236

▶ 0C560240

▶ 0C560250

▶ 0C560253

▶ 0C560254

▶ 0C560255

▶ 0C560256

▶ 0C560257

▶ 0C560258

▶ 0C560259

▶ 0C560260

▶ 0C560261

▶ 0C570002

▶ 0C570101

090F2011 General kinematic command error

An error occurred in the kinematic command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560001

▶ 0C560050

▶ 0C570007

▶ 0C570100

▶ 0C570101

▶ 0C570102

▶ 0C570103

▶ 0C570105

▶ 0C570108

▶ 0C570109

▶ 0C570160

▶ 0C570164

▶ 0C5701A1

▶ 0C5701A2

090F2012 Kinematic limit exceeded

The limit value of the kinematics is exceeded.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560100

▶ 0C560101

▶ 0C560102

▶ 0C560103

▶ 0C560104

▶ 0C560105

▶ 0C560106

▶ 0C560107

▶ 0C560108

▶ 0C560109

▶ 0C56010A

▶ 0C560262

▶ 0C570160

▶ 0C570161

▶ 0C570162

▶ 0C570163

▶ 0C570164

090F2013 Error in kinematic jog command

An error occurred in the kinematic jog command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550120

▶ 0C550141

▶ 0C550142

▶ 0C550143

▶ 0C550144

▶ 0C550145

▶ 0C550146

▶ 0C550148

▶ 0C550230

▶ 0C550231

▶ 0C550232

▶ 0C550233

▶ 0C550234

▶ 0C550235

▶ 0C550236

▶ 0C550237

▶ 0C550238

▶ 0C550239

▶ 0C55023A

▶ 0C570160

▶ 0C570164

▶ 0C5701A0

090F2014 Error in kinematic raw ipo command

An error occurred in the rough interpolator command of the kinematics.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560120

▶ 0C560121

▶ 0C560122

▶ 0C560123

▶ 0C560124

▶ 0C570101

090F2015 Error in additional command channel

An error occurred in the additional variant.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C570150

▶ 0C570151

▶ 0C570152

090F2016 General command error

A command error occurred in the basic kinematics.

090F2017 Override error

An override error occurred.

Detailed diagnostics

▶ 0C550400

▶ 0C550401

090F2018 Error in kinematic command "Group"

090F2018 Error in kinematic command "Group"

An error occurred during the kinematic command "Group".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550200

090F2019 Error in kinematic command "Move"

090F2019 Error in kinematic command "Move"

An error occurred during the kinematic command "Move".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550210

▶ 0C550211

▶ 0C550230

▶ 0C550231

▶ 0C550232

▶ 0C550233

▶ 0C550234

▶ 0C550235

▶ 0C550236

▶ 0C550237

▶ 0C550238

▶ 0C550239

▶ 0C55023A

▶ 0C550340

▶ 0C550341

▶ 0C570003

▶ 0C570160

▶ 0C570164

090F201A Error in kinematic command "Contour"

090F201A Error in kinematic command "Contour"

An error occurred in the kinematic command "Contour".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C570220

▶ 0C570221

090F2020 Error in system configuration

090F2020 Error in configuration of the Motion system

A system configuration error occurred.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560201

▶ 0C560203

▶ 0C560204

▶ 0C560205

▶ 0C560206

▶ 0C560207

▶ 0C560208

▶ 0C560209

▶ 0C56020A

▶ 0C56020B

▶ 0C56020C

▶ 0C56020D

▶ 0C56020E

▶ 0C570101

090F2021 Error during backup or restoration

Error occurred while backing up or restoring.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560201

▶ 0C560202

▶ 0C560220

▶ 0C560222

▶ 0C560223

▶ 0C560224

▶ 0C560225

▶ 0C560226

▶ 0C560227

▶ 0C560228

▶ 0C560229

▶ 0C56022A

▶ 0C570101

090F2030 Error in command options

An error occurred in the command options.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C570007

▶ 0C570100

▶ 0C5701B0

▶ 0C5701B1

▶ 0C5701B2

090F2031 Error in command option "Blending"

090F2031 Error in command option "Blending"

An error occurred in the command option "Blending".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550300

▶ 0C550301

▶ 0C5701B1

090F2032 Error in command option product coordinate system

An error occurred in the command options of the product coordinate system.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C5502E0

090F2033 Error in command option of machine coordinate system

An error occurred in the command options of the machine coordinate system.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550310

▶ 0C550311

▶ 0C550312

▶ 0C550313

▶ 0C550314

090F2034 Error in cmd opt "SafeZones" (safe zones and working areas)

090F2034 Error in cmd opt "SafeZones" (safe zones and working areas)

An error occurred in the command option "SafeZones".

For the exact cause, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550330

▶ 0C550331

▶ 0C550332

▶ 0C550333

▶ 0C550334

▶ 0C550335

090F2035 Error in command option "PolyTrans"

090F2035 Error in command option "PolyTrans"

An error occurred in the command option "PolyTrans".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C5701B1

▶ 0C5701B3

090F2040 System error

090F2040 System error in the Motion system

A system error occurred.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560270

▶ 0C560271

▶ 0C560272

▶ 0C560273

▶ 0C560274

▶ 0C560276

▶ 0C570100

▶ 0C570101

090F2050 Error while running script

Error while processing the script.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270600

▶ 0C270601

▶ 0C270602

▶ 0C270603

▶ 0C270604

▶ 0C270605

▶ 0C270606

▶ 0C270607

090F2051 Error in task/request comm. between script manager/instance

A communication fault occurred between the script manager and the script instance.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270608

090F2052 Error in the system configuration

090F2052 Error in the configuration of the Motion system

The system configuration is incorrect.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C270609

▶ 0C27060A

090F2060 Error in axis command "EStop"

090F2060 Error in axis command "EStop"

An error occurred during the axis command "EStop".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550180

▶ 0C550181

▶ 0C550182

090F2061 Error in axis command "PosAbs/PosRel/PosAdd"

090F2061 Error in axis command "PosAbs/PosRel/PosAdd"

An error occurred during the axis command "PosAbs/PosRel/PosAdd".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550180

▶ 0C550181

▶ 0C550182

090F2062 Error in axis command "Power"

090F2062 Error in axis command "Power"

An error occurred during the axis command "Power".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550180

▶ 0C550181

▶ 0C550182

090F2063 Error in axis command "Homing"

090F2063 Error in axis command "Homing"

An error occurred during the axis command "Homing".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560460

▶ 0C560461

▶ 0C560462

▶ 0C560463

▶ 0C570101

090F2064 Error regarding to the touch probe command of the Motion

090F2064 Error in the Motion touch probe command

An error occurred with regard to the touch probe command of the Motion.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560480

▶ 0C560481

▶ 0C560482

▶ 0C560483

▶ 0C560484

▶ 0C560485

▶ 0C560486

▶ 0C560487

▶ 0C560488

▶ 0C560489

▶ 0C56048A

▶ 0C56048B

090F2500 Error in axis command "GearInPos"

090F2500 Error in axis command "GearInPos"

An error occurred in the axis command "GearInPos".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550170

▶ 0C550171

▶ 0C550174

▶ 0C550181

▶ 0C550183

▶ 0C550184

▶ 0C550185

▶ 0C550240

▶ 0C550241

▶ 0C550242

▶ 0C550243

▶ 0C550244

▶ 0C550245

▶ 0C550246

▶ 0C550249

▶ 0C550500

▶ 0C55050D

▶ 0C55050E

▶ 0C55050F

▶ 0C550510

▶ 0C550511

▶ 0C550512

▶ 0C550513

▶ 0C550514

▶ 0C550515

▶ 0C550516

▶ 0C550517

▶ 0C550518

▶ 0C550519

▶ 0C550520

▶ 0C550521

▶ 0C550522

▶ 0C550523

▶ 0C550524

▶ 0C550525

▶ 0C550526

▶ 0C550528

▶ 0C550529

▶ 0C55052A

▶ 0C55052B

▶ 0C55052C

▶ 0C55052D

▶ 0C550533

▶ 0C550534

▶ 0C550536

▶ 0C550538

▶ 0C570007

▶ 0C570101

▶ 0C570160

▶ 0C570164

090F2501 Error in axis command "SyncPosGeneric"

090F2501 Error in axis command "SyncPosGeneric"

An error occurred in the axis command "SyncPosGeneric".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550181

▶ 0C550500

▶ 0C550516

▶ 0C550521

▶ 0C550522

▶ 0C55052D

▶ 0C550533

▶ 0C550534

▶ 0C550536

▶ 0C550538

▶ 0C550600

▶ 0C550601

▶ 0C550602

▶ 0C550603

▶ 0C550604

▶ 0C550605

▶ 0C550606

▶ 0C550607

▶ 0C550608

▶ 0C550609

▶ 0C55060A

▶ 0C55060B

▶ 0C55060C

▶ 0C55060D

▶ 0C55060E

▶ 0C55060F

▶ 0C550610

▶ 0C550611

▶ 0C550612

▶ 0C550613

▶ 0C550614

▶ 0C550615

▶ 0C550616

▶ 0C550617

▶ 0C550618

▶ 0C550619

▶ 0C55061A

▶ 0C55061B

▶ 0C55061C

▶ 0C55061D

▶ 0C55061E

▶ 0C55061F

▶ 0C550620

▶ 0C550621

▶ 0C550622

▶ 0C550623

▶ 0C550624

▶ 0C550628

▶ 0C570007

▶ 0C570101

090F2502 Error in the synchronized Motion command

An error occurred in the synchronized Motion command.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550181

▶ 0C550537

090F2503 Error in the axis command "gearInVel"

090F2503 Error in the axis command "gearInVel"

An error occurred in the axis command "gearInVel".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550170

▶ 0C550171

▶ 0C550174

▶ 0C550181

▶ 0C550183

▶ 0C550184

▶ 0C550185

▶ 0C550240

▶ 0C550241

▶ 0C550242

▶ 0C550243

▶ 0C550244

▶ 0C550245

▶ 0C550246

▶ 0C550249

▶ 0C550500

▶ 0C55050D

▶ 0C55050E

▶ 0C55050F

▶ 0C550510

▶ 0C550511

▶ 0C550512

▶ 0C550513

▶ 0C550514

▶ 0C550515

▶ 0C550517

▶ 0C550518

▶ 0C550519

▶ 0C550520

▶ 0C550521

▶ 0C550522

▶ 0C550523

▶ 0C550524

▶ 0C550525

▶ 0C550526

▶ 0C550529

▶ 0C55052A

▶ 0C55052B

▶ 0C55052C

▶ 0C55052D

▶ 0C550533

▶ 0C550534

▶ 0C550536

▶ 0C550539

▶ 0C570007

▶ 0C570101

▶ 0C570160

▶ 0C570164

090F2504 Error in the axis command "SyncVelGeneric"

090F2504 Error in the axis command "SyncVelGeneric"

An error occurred in the axis command "SyncVelGeneric".

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C550181

▶ 0C550500

▶ 0C550516

▶ 0C55052D

▶ 0C550533

▶ 0C550534

▶ 0C550536

▶ 0C550539

▶ 0C570007

▶ 0C570101

090F6000 Error in the Sequence Manager

090F6000 Error when resolving motion calculation dependencies

An error occurred in the Sequence Manager.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560470

090F6001 Forced stop of the ctrlX Motion

090F6001 Forced stop of the Motion system

Stopping the ctrlX Motion was forced.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C560300

090F6010 PLC detected error event

The PLC detected an error event.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C570300

▶ 0C570301

▶ 0C570302

090F8011 General error in CXA_Motion

A general error occurred in the PLC library CXA_Motion.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C570400

SourceType 0x0A - PLC Application

0A0A0001 PLC log message

The runtime system of the PLC issued a message.

0A0A0115 PLC IEC info

Info, warning and error diagnostics are available to the user to send diagnostics from the IEC program using the CXAC_Diagnostics library.

These diagnostic messages are already registered and do not need to be registered by the user.

0A0A0FF0 Trace message plc.cmp.datalayer

The component "plc.cmp.datalayer" issued a trace message.

For details, refer to further elements of the respective entry in the log.

0A0A0FFF Trace message plc.system

The component "plc.system" issued a trace message.

For details, refer to further elements of the respective entry in the log.

0A0E0001 PLC log warning

The runtime system of the PLC reported a warning.

0A0E0115 PLC IEC warning

Info, warning and error diagnostics are available to the user to send diagnostics from the IEC program using the CXAC_Diagnostics library.

These diagnostic messages are already registered and do not need to be registered by the user.

0A0E0FF0 Trace warning plc.cmp.datalayer

The component "plc.cmp.datalayer" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

0A0E0FFF Trace warning plc.system

The component "plc.system" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

0A0F0001 PLC log error

The runtime system of the PLC detected an error during program processing.

0A0F0002 PLC log exception

The runtime system of the PLC detected an exception during program processing.

The application was stopped.

0A0F0010 PLC license error

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C280010

▶ 0C280011

▶ 0C280012

▶ 0C280013

▶ 0C280014

▶ 0C280015

0A0F0020 Error in PLC configuration

For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C280100

▶ 0C280101

▶ 0C280102

0A0F0030 PLC state error

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C280130

0A0F0040 Error in PLC retain memory

An error occurred in the PLC retain memory.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C280140

▶ 0C280141

0A0F0100 Error in library CXA_Utilities

An error occurred in a function block of the PLC library CXA_Utilities.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the error-generating function block.

Detailed diagnostics

▶ 0C230000

▶ 0C230001

▶ 0C230011

▶ 0C230021

▶ 0C230022

▶ 0C230031

▶ 0C230032

▶ 0C230041

▶ 0C230042

▶ 0C230043

▶ 0C230044

▶ 0C230045

▶ 0C230046

▶ 0C230047

▶ 0C230048

▶ 0C230049

▶ 0C23004A

▶ 0C23004B

▶ 0C23004C

▶ 0C23004D

▶ 0C230051

▶ 0C230052

▶ 0C230053

▶ 0C230054

▶ 0C230055

▶ 0C230056

▶ 0C230057

0A0F0101 Error in the library CXA_SocketComm

An error occurred in a function block of the library CXA_SocketComm.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the function block generating errors.

Detailed diagnostics

▶ 0C230001

▶ 0C231000

▶ 0C231001

▶ 0C231002

▶ 0C231003

▶ 0C231004

▶ 0C231005

▶ 0C231006

▶ 0C231007

▶ 0C231008

▶ 0C231009

▶ 0C23100A

▶ 0C23100B

▶ 0C23100C

▶ 0C23100F

▶ 0C231010

▶ 0C231012

▶ 0C231013

▶ 0C231015

▶ 0C231016

▶ 0C231017

▶ 0C231018

▶ 0C231019

▶ 0C23101A

▶ 0C232001

▶ 0C232002

▶ 0C23FFFE

▶ 0C23FFFF

0A0F0102 Error in the library CXA_FileAsync

An error occurred in a function block of the library CXA_FileAsync.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the function block generating errors.

Detailed diagnostics

▶ 0C231001

▶ 0C231002

▶ 0C231003

0A0F0103 Error in the library CXA_PLCOpen
An error occurred in a function block of the library CXA_PLCOpen.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the function block generating errors.

Detailed diagnostics

▶ 0C238004

▶ 0C238005

▶ 0C238006

▶ 0C238007

▶ 0C238008

▶ 0C238009

0A0F0104 Error in the library CXA_LoopControl
An error occurred in a function block of the library CXA_LoopControl.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the function block generating errors.

Detailed diagnostics

▶ 0C230001

▶ 0C230002

▶ 0C230003

▶ 0C230004

▶ 0C230005

▶ 0C230006

▶ 0C230007

▶ 0C230011

▶ 0C230012

▶ 0C230013

▶ 0C230014

▶ 0C230015

▶ 0C230016

▶ 0C230017

▶ 0C230018

▶ 0C230019

▶ 0C23001C

▶ 0C230021

▶ 0C230022

▶ 0C230024

▶ 0C230025

▶ 0C230031

▶ 0C230032

▶ 0C230033

▶ 0C230034

▶ 0C230036

▶ 0C230037

▶ 0C230038

▶ 0C230039

▶ 0C23003A

▶ 0C23003C

▶ 0C230041

▶ 0C230042

▶ 0C230043

▶ 0C230044

▶ 0C230045

▶ 0C230046

▶ 0C230047

▶ 0C230048

▶ 0C230049

▶ 0C23004A

▶ 0C23004B

▶ 0C23004C

▶ 0C23004D

▶ 0C23004E

▶ 0C23004F

▶ 0C230052

▶ 0C230053

▶ 0C230054

▶ 0C230055

▶ 0C230056

▶ 0C230061

▶ 0C230062

▶ 0C230063

▶ 0C230064

▶ 0C230065

▶ 0C230066

▶ 0C230067

▶ 0C230068

▶ 0C230071

▶ 0C230072

▶ 0C230073

▶ 0C230074

▶ 0C230075

▶ 0C230076

▶ 0C230077

▶ 0C230078

▶ 0C230079

▶ 0C23007A

▶ 0C23007B

▶ 0C23007C

▶ 0C23007D

▶ 0C23007E

▶ 0C230082

▶ 0C230083

▶ 0C230085

▶ 0C231000

0A0F0107 Error in CXA_MotionInterface library

An error occurred in a function block or in the program of the PLC library - either CXA_MotionInterface or CXA_MotionInterfaceUser.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the error-generating function block or program.

Detailed diagnostics

▶ 0C230101

▶ 0C230103

▶ 0C230110

▶ 0C230111

▶ 0C230113

▶ 0C230115

▶ 0C230116

- ▶ 0C230117
- ▶ 0C230118
- ▶ 0C230119
- ▶ 0C23011A
- ▶ 0C230140
- ▶ 0C230141
- ▶ 0C230142
- ▶ 0C230143
- ▶ 0C230144
- ▶ 0C230150
- ▶ 0C230151
- ▶ 0C230153
- ▶ 0C230154
- ▶ 0C230155
- ▶ 0C230156
- ▶ 0C230157
- ▶ 0C230158
- ▶ 0C230159
- ▶ 0C23015A
- ▶ 0C230180
- ▶ 0C230181
- ▶ 0C230182
- ▶ 0C230183
- ▶ 0C230184
- ▶ 0C230185
- ▶ 0C230186

▶ 0C230187

▶ 0C230188

▶ 0C230190

▶ 0C2301A0

▶ 0C2301B0

▶ 0C2301C0

▶ 0C2301C1

▶ 0C2301C2

▶ 0C2301C3

▶ 0C2301C4

▶ 0C2301C5

▶ 0C2301C6

▶ 0C2301C7

▶ 0C2301C8

▶ 0C2301C9

▶ 0C2301D0

▶ 0C2301E0

▶ 0C2301F0

0A0F010A Error in library CXA_DriveUtil

An error occurred in a function block of the PLC library CXA_DriveUtil.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the error-generating function block.

Detailed diagnostics

▶ 0C230201

▶ 0C230202

▶ 0C230203

▶ 0C230204

▶ 0C230205

▶ 0C230206

▶ 0C230207

0A0F010B Error in library CXA_S20

An error occurred in a function block of the PLC library CXA_S20.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the error-generating function block.

0A0F0111 Error in library CXA_ModbusRTU

An error occurred in a function block of the PLC library CXA_ModbusRTU.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the error-generating function block.

0A0F0112 Error in library CXA_KNX

An error occurred in a function block of the PLC library CXA_KNX.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the error-generating function block.

0A0F0113 Error in library CXA_DALI

An error occurred in a function block of the PLC library CXA_DALI.

For more information, refer to the detailed diagnostics in the output ErrorIdent.Additional2 of the error-generating function block.

0A0F0115 PLC IEC F0 error

Info, warning and error diagnostics are available to the user to send diagnostics from the IEC program using the CXAC_Diagnostics library.

These diagnostic messages are already registered and do not need to be registered by the user.

0A0F0FF0 Trace error plc.cmp.datalayer

The component "plc.cmp.datalayer" issued a trace error.

For details, refer to further elements of the respective entry in the log.

0A0F0FFF Trace error plc.system

The component "plc.system" issued a trace error.

For details, refer to further elements of the respective entry in the log.

0A0F2115 PLC IEC F2 error -> Stopping single axis

Info, warning and error diagnostics are available to the user to send diagnostics from the IEC program using the CXAC_Diagnostics library.

These diagnostic messages are already registered and do not need to be registered by the user.

0A0F6115 PLC IEC F6 error -> Stopping all axes

Info, warning and error diagnostics are available to the user to send diagnostics from the IEC program using the CXAC_Diagnostics library.

These diagnostic messages are already registered and do not need to be registered by the user.

0A0F8115 PLC IEC F8 error -> System error/stopping the app

Info, warning and error diagnostics are available to the user to send diagnostics from the IEC program using the CXAC_Diagnostics library.

These diagnostic messages are already registered and do not need to be registered by the user.

0A0F9115 PLC IEC F9 error -> System error/system stop

Info, warning and error diagnostics are available to the user to send diagnostics from the IEC program using the CXAC_Diagnostics library.

These diagnostic messages are already registered and do not need to be registered by the user.

SourceType 0x0B - IOT Application

0B0A0000 Telegraf Server Agent: Information

For details, refer to the respective detailed diagnostics.

0B0A0100 Remote Agent information

For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C6F0003

▶ 0C6F0004

▶ 0C6F0005

▶ 0C6F0006

▶ 0C6F0007

▶ 0C6F0009

▶ 0C6F000A

▶ 0C6F000B

▶ 0C6F000C

▶ 0C6F000D

▶ 0C6F000E

▶ 0C6F0010

▶ 0C6F0011

▶ 0C6F0016

▶ 0C6F0017

0B0E0000 Telegraf Server Agent: Warning

For details, refer to the respective detailed diagnostics.

0B0E0100 Remote Agent warning

For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C6F0014

▶ 0C6F0015

▶ 0C6F0020

▶ 0C6F0022

0B0F0000 Telegraf Server Agent: Error

For details, refer to the respective detailed diagnostics.

0B0F0100 Remote Agent error

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C6F0000

▶ 0C6F0001

▶ 0C6F0002

▶ 0C6F0008

▶ 0C6F000F

▶ 0C6F0012

▶ 0C6F0013

▶ 0C6F0018

▶ 0C6F0019

▶ 0C6F0021

SourceType 0x0C - Field bus communication

0C0A00FF Trace message comm.ethercat.master

The component "comm.ethercat.master" issued a trace message.

For details, refer to further elements of the respective entry in the log.

0C0A0200 Profinet device: Status

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C780004

▶ 0C780005

▶ 0C780006

▶ 0C780007

▶ 0C780255

▶ 0C780256

▶ 0C780258

▶ 0C780259

0C0E0000 Warning in EtherCAT master

A waning occurred in the EtherCAT master.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C884085

▶ 0C884086

0C0E00FF Trace warning comm.ethercat.master

The component "comm.ethercat.master" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

0C0E0200 Profinet device: Warning
For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics
- ▶ 0C780001
- ▶ 0C780255
- ▶ 0C780256
- ▶ 0C780257

0C0F0000 Error in EtherCAT master
An error occurred in the EtherCAT master.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics
- ▶ 0C71E7F0
- ▶ 0C850001
- ▶ 0C850002
- ▶ 0C850003
- ▶ 0C850005
- ▶ 0C850006
- ▶ 0C850007
- ▶ 0C850008
- ▶ 0C850009
- ▶ 0C85000A
- ▶ 0C85000B
- ▶ 0C85000C
- ▶ 0C85000D
- ▶ 0C85000E
- ▶ 0C85000F

▶ 0C850010

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▶ 0C850017

▶ 0C850018

▶ 0C85001A

▶ 0C85001B

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▶ 0C85001D

▶ 0C85001E

▶ 0C85001F

▶ 0C850020

▶ 0C850021

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▶ 0C850024

▶ 0C850025

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▶ 0C85002F

▶ 0C850030

▶ 0C850031

▶ 0C850032

▶ 0C850033

▶ 0C850034

▶ 0C850035

▶ 0C850036

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▶ 0C850038

▶ 0C850039

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- ▶ 0C85004E

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- ▶ 0C850050

- ▶ 0C850051

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- ▶ 0C850054

- ▶ 0C850055

- ▶ 0C850056

- ▶ 0C850057

- ▶ 0C850058

- ▶ 0C850059

- ▶ 0C85005A

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- ▶ 0C85005D

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- ▶ 0C850060

- ▶ 0C850061

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- ▶ 0C850065

- ▶ 0C850066

- ▶ 0C850067

- ▶ 0C850068

- ▶ 0C850069

- ▶ 0C85006A

- ▶ 0C85006B

- ▶ 0C85006C

- ▶ 0C85006D

- ▶ 0C85006F

- ▶ 0C850070

- ▶ 0C850071

- ▶ 0C850072

- ▶ 0C850073

- ▶ 0C850074

- ▶ 0C850075

- ▶ 0C850076

- ▶ 0C850077

- ▶ 0C850078

- ▶ 0C850079

- ▶ 0C85007A

- ▶ 0C85007B

- ▶ 0C85007C

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- ▶ 0C85007E

- ▶ 0C85007F

- ▶ 0C850080

- ▶ 0C850081
- ▶ 0C850082
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- ▶ 0C850088
- ▶ 0C850089
- ▶ 0C85008A
- ▶ 0C85008B
- ▶ 0C85008C
- ▶ 0C85008D
- ▶ 0C85008E
- ▶ 0C85008F
- ▶ 0C850090
- ▶ 0C850091
- ▶ 0C850092
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- ▶ 0C850099
- ▶ 0C85009A

- ▶ 0C85009B
- ▶ 0C85009C
- ▶ 0C85009D
- ▶ 0C85009E
- ▶ 0C85009F
- ▶ 0C850100
- ▶ 0C850101
- ▶ 0C850102
- ▶ 0C850103
- ▶ 0C850104
- ▶ 0C850105
- ▶ 0C850106
- ▶ 0C850107
- ▶ 0C850108
- ▶ 0C850109
- ▶ 0C85010A
- ▶ 0C85010B
- ▶ 0C85010C
- ▶ 0C85010D
- ▶ 0C85010E
- ▶ 0C85010F
- ▶ 0C850110
- ▶ 0C850111
- ▶ 0C850112
- ▶ 0C85011E
- ▶ 0C85011F

▶ 0C850120

▶ 0C850121

▶ 0C850122

▶ 0C850123

▶ 0C850124

▶ 0C850125

▶ 0C850126

▶ 0C850127

▶ 0C850128

▶ 0C850129

▶ 0C850130

▶ 0C850131

▶ 0C850132

▶ 0C850133

▶ 0C850134

▶ 0C850135

▶ 0C850136

▶ 0C850137

▶ 0C850138

▶ 0C850139

▶ 0C85013B

▶ 0C85013C

▶ 0C85013D

▶ 0C85013E

▶ 0C85013F

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▶ 0C888024

▶ 0C888025

▶ 0C888026

▶ 0C88FFFD

▶ 0C88FFFE

▶ 0C88FFFF

0C0F00FF Trace error comm.ethercat.master

The component "comm.ethercat.master" issued a trace error.

For details, refer to further elements of the respective entry in the log.

0C0F0200 Error in Profinet device

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C780104

▶ 0C780105

▶ 0C780106

▶ 0C780107

▶ 0C780108

▶ 0C780109

▶ 0C780110

▶ 0C780120

▶ 0C780121

▶ 0C780124

▶ 0C780130

▶ 0C780131

▶ 0C780140

▶ 0C780147

▶ 0C780148

▶ 0C780199

▶ 0C780260

▶ 0C780299

▶ 0C784281

SourceType 0x0D - Process Communication

0D0A0000 Trace message OPC UA
The OPC UA component issued a trace message.

For the exact cause and remedy, refer to the respective detailed diagnostics.

0D0A0100 OPC UA Server message
For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C761000

▶ 0C761001

▶ 0C761002

▶ 0C761003

▶ 0C761007

▶ 0C761009

▶ 0C761011

▶ 0C761013

0D0A0200 OPC UA Client message

For details, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C762000

▶ 0C762001

▶ 0C762002

▶ 0C762003

▶ 0C762004

▶ 0C762007

▶ 0C762008

▶ 0C762009

▶ 0C762011

▶ 0C762012

▶ 0C762013

▶ 0C762015

0D0A0201 OPC UA status code of connected server

For the exact cause and remedy, refer to the respective detailed diagnostics.

0D0A0300 OPC UA PubSub message

OPC-UA PubSub issued a message.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C763000

▶ 0C763001

▶ 0C763003

▶ 0C763005

▶ 0C763009

▶ 0C763010

▶ 0C763012

▶ 0C763014

0D0E0000 Trace warning OPC UA

The OPC UA component issued a trace warning.

For the exact cause and remedy, refer to the respective detailed diagnostics.

0D0E0100 OPC UA Server warning

The OPC UA Server issued a warning.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C761008

0D0E0200 OPC UA Client warning

The OPC UA Client issued a warning.

For the exact cause and remedy, refer to the respective detailed diagnostics.

0D0E0300 OPC UA PubSub warning

OPC UA PubSub issued a warning.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C763015

0D0F0000 Trace error OPC UA

The OPC UA component issued a trace error.

For the exact cause and remedy, refer to the respective detailed diagnostics.

0D0F0200 OPC UA Client error

The OPC UA Client issued an error.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C762005

▶ 0C762006

▶ 0C762010

▶ 0C762014

▶ 0C762015

0D0F0100 OPC UA Server error

The OPC UA Server issued an error.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C761004

▶ 0C761005

▶ 0C761006

▶ 0C761009

▶ 0C761010

▶ 0C761012

▶ 0C761013

0D0F0300 OPC UA PubSub error

OPC UA PubSub issued an error.

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C763002

▶ 0C763004

▶ 0C763006

▶ 0C763007

▶ 0C763008

▶ 0C763011

▶ 0C763013

▶ 0C763014

SourceType 0x0E - Machine specific

0E0A0ABC Trace message SDK example

The component "SDK" issued an exemplary trace message.

For details, refer to further elements of the respective entry in the log.

0E0E0ABC Trace warning SDK example

The component "SDK" issued an exemplary trace warning.

For details, refer to further elements of the respective entry in the log.

0E0F0ABC Trace error SDK example

The component "SDK" issued an exemplary trace error.

For details, refer to further elements of the respective entry in the log.

SourceType 0x10 - Miscellaneous

100A0030 Oscilloscope: General message

100A0030_VX01.xml

The oscilloscope issued a message.

For details, refer to further elements of the respective entry in the log.

100A003F Trace message common.oscilloscope

The component "common.oscilloscope" issued a trace message.

For details, refer to further elements of the respective entry in the log.

100A0FFF Trace message <userUnitName>

100A0FFF Trace message <userUnitName>

The user component <userUnitName> in the diagnostic text issued a trace message.

For details, refer to further elements of the respective entry in the log.

100E0020 Oscilloscope: General warning

100E0020_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100E0021 Oscilloscope: License warning

100E0021_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100E003F Trace warning common.oscilloscope

The component "common.oscilloscope" issued a trace warning.

For details, refer to further elements of the respective entry in the log.

100E0FFF Trace warning <userUnitName>

100E0FFF Trace warning <userUnitName>

The user component <userUnitName> in the diagnostic text issued a trace warning.

For details, refer to further elements of the respective entry in the log.

100F0000 Oscilloscope: General error

100F0000_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0001 Oscilloscope: Configuration error

100F0001_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0002 Oscilloscope: Instance error

100F0002_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0003 Oscilloscope: Data Layer provider error

100F0003_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0004 Oscilloscope: State machine error

100F0004_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0005 Oscilloscope: Command error

100F0005_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0006 Oscilloscope: Channel error

100F0006_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0007 Oscilloscope: Diagram error

100F0007_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0008 Oscilloscope: View error

100F0008_VX01.xml

For the exact cause and remedy, refer to the respective detailed diagnostics.

100F0009 Oscilloscope: Save or load error

For the exact cause and remedy, refer to the respective detailed diagnostics.

Detailed diagnostics

▶ 0C310002

▶ 0C310393

▶ 0C310394

▶ 0C310395

▶ 0C310396

▶ 0C310397

100F003F Trace error common.oscilloscope

The component "common.oscilloscope" issued a trace error.

For details, refer to further elements of the respective entry in the log.

100F0FFF Trace error <userUnitName>

100F0FFF Trace error <userUnitName>

The user component <userUnitName> in the diagnostic text issued a trace error.

For details, refer to further elements of the respective entry in the log.

Related documentation

.Related documentation

.Overview

Fig. 38: Overview on further documentations

.ctrlX AUTOMATION

No.	Documentation
1	**ctrlX WORKS First Steps** Quick Start Guide **Web documentation link** .Ordering information: ■ DOK-XWORKS-F*STEP*****-QURS-EN-P ■ R911403760

.ctrlX WORKS

No.	Documentation

No.	Documentation
2	**ctrlX WORKS Basic System**
	Application Manual
	Web documentation link
	.Ordering information:
	■ DOK-XWORKS-***********-APRS-EN-P
	■ R911403761
3	**ctrlX PLC Engineering - PLC Programming System**
	Application Manual
	Web documentation link
	.Ordering information:
	■ DOK-XPLC**-ENGINEERING-APRS-EN-P
	■ R911403764
3	**ctrlX PLC Engineering - PLC Libraries**
	Reference
	Web documentation link
	.Ordering information:
	■ DOK-XPLC**-LIBRARY****-RERS-EN-P
	■ R911403766

.ctrlX CORE

No.	Documentation

No.	Documentation
4	**ctrlX CORE - Runtime** Application Manual Web documentation link .Ordering information: ■ DOK-XCORE*-BASE*******-APRS-EN-P ■ R911403768 **ctrlX CORE - Diagnostics** Reference Web documentation link .Ordering information: ■ DOK-XCORE*-DIAG*******-RERS-EN-P ■ R911403770

.ctrlX CORE apps

Nr.	Dokumentation
5	**PLC App - PLC Runtime Environment for ctrlX CORE** Application Manual Web documentation link .Ordering information: ■ DOK-XCORE*-PLC********-APRS-EN-P ■ R911403787

Nr.	Dokumentation
6	**Motion App - Motion Runtime Environment for ctrlX CORE**
	Application Manual
	Web documentation link
	.Ordering information:
	▪ DOK-XCORE*-MOTION*****-APRS-EN-P
	▪ R911403791
7	**OPC UA Server App - OPC UA Server for ctrlX CORE**
	Application Manual
	Web documentation link
	.Ordering information:
	▪ DOK-XCORE*-OPCUA*SERV*-APRS-EN-P
	▪ R911403778
8	**OPC UA Client App - OPC UA Client for ctrlX CORE**
	Application Manual
	Web documentation link
	.Ordering information:
	▪ DOK-XCORE*-OPCUA*CLIEN-APRS-EN-P
	▪ R911403781
9	**EtherCAT Master App - EtherCAT master for ctrlX CORE**
	Application Manual
	Web documentation link
	.Ordering information:
	▪ DOK-XCORE*-ETHERCAT***-APRS-EN-P
	▪ R911403773

Nr.	Dokumentation
10	**VPN Client App - Remote Support Software for ctrlX CORE** Application Manual Web documentation link .Ordering information: ■ DOK-XCORE*-VPN********-APRS-EN-P ■ R911403775
11	**Firewall App - Security Functions for ctrlX CORE** Application Manual Web documentation link .Ordering information: ■ DOK-XCORE*-FIREWALL***-APRS-EN-P ■ R911403783
12	**Remote Agent App - ctrlX Device Portal Connection for ctrlX Devices** Application Manual Web documentation link .Ordering information: ■ DOK-XCORE*-REMOTE*AG**-APRS-EN-P ■ R911403785
13	**Oscilloscope App - Oscilloscope Function for ctrlX Devices** Application Manual Web documentation link .Ordering information: ■ DOK-XCORE*-OSCI*******-APRS-EN-P ■ R911409806

Nr.	Dokumentation
14	**IDE App - Integrated Development Environment**

Application Manual

Web documentation link

.Ordering information:

- DOK-XCORE*-IDE********-APRS-EN-P
- R911410625

15	**Node RED App - Graphic Programming for ctrlX CORE**

Application Manual

Web documentation link

.Ordering information:

- DOK-XCORE*-NODE*RED***-APRS-EN-P
- R911403789

16	**3D Viewer App - Browser-based 3D Kinematic Simulation for ctrlX CORE**

Application Manual

Web documentation link

.Ordering information:

- DOK-XCORE*-3D*VIEWER**-APRS-EN-P
- R911416124

17	**Telegraf App - Server Agent for Collecting Data in the Data Layer**

Application Manual

Web documentation link

.Ordering information:

- DOK-XCORE*-TELEGRAF***-APRS-EN-P
- R911416836

Nr.	Dokumentation
18	**PROFINET device App - PROFINET device for ctrlX CORE**

Application Manual

[Web documentation link](#)

.Bestellinformationen:

- DOK-XCORE*-PROFINET***-APRS-EN-P
- R911417857

19	**Container Engine App - Use of Docker® Images on ctrlX CORE**

Application Manual

[Web documentation link](#)

.Ordering information:

- DOK-XCORE*-DOCKER*****-APRS-EN-P
- R911417855

Service and support

Service and support

Our worldwide service network provides an optimized and efficient support. Our experts provide you with advice and assistance. You can contact us **24/7**.

Service Germany

Our technology-oriented Competence Center in Lohr, Germany, is responsible for all your service-related queries for electric drive and controls.

Contact the **Service Hotline** and **Service Helpdesk** under:

Phone:	**+49 9352 40 5060**
Fax:	**+49 9352 18 4941**
Email:	service.svc@boschrexroth.de
Internet:	http://www.boschrexroth.com

Additional information on service, repair (e.g. delivery addresses) and training can be found on our internet sites.

Service worldwide

Outside Germany, please contact your local service office first. For hotline numbers, refer to the sales office addresses on the internet.

Preparing information

To be able to help you more quickly and efficiently, please have the following information ready:

- Detailed description of malfunction and circumstances
- Type plate specifications of the affected products, in particular type codes and serial numbers
- Your contact data (phone and fax number as well as your e-mail address)