Item description

Description:

Increase availability in central ship alarm systems with WAGO's Application-Based Controller Redundancy (ACR).

The licensed software library (2759-245/211-1000) and an *e!COCKPIT* redundancy framework allows you to easily program and operate redundant master PLCs in single point of failure (SPOF) tolerant systems.

A large number of the available 750 Series I/O Modules can be integrated into the system via Smart Couplers. These decentralized PLCs automatically recognize the input and output modules, which makes commissioning easy. The redundant communication of the two Master PLCs and the Smart Couplers is performed either via two separate networks (Dual-LAN) or a ring topology.

These Master PLCs (2nd generation PFC200) communicate with higher-level SCADA systems, for example, via the Modbus TCP protocol.

The application notes (a2020003 and a2020004) describe the practical use of the library and define the application area and the maximum number of participants within the system.

Advantages:

- Easy commissioning of the entire system with WAGO's standard hardware
- Simple/slow control loops can be mapped (Alarm & Monitoring, Data Acquisition, Slow Running Processes)
- Low switchover time (per marine classification society requirements)
- Use of complex modules such as HART or DALI

Benefits:

- With the application redundancy concept, WAGO provides you with a redundant framework for simple and economical system integration in ship technology.
- You save engineering effort and can focus on your application.

Subject to changes. Please also observe the further product documentation!

Licensing:

To use the "WagoAppRedundancyMaster.library," a "Library Controller Redundancy Master" license (2759-245/211-1000) must be purchased for each Master PLC. An SD card image in the redundancy framework is available for the Smart Couplers.

Use:

Enter the "Library Controller Redundancy Master" license into *e!COCKPIT*, assign it to a device and load both the license and project into the device. No other installation steps are required.

Note:

Register hier to download the redundancy framework and test ACR free of charge for 30 days.

Recommended Controller:

PFC200; G2; 2ETH RS 750-8212

Data
Software data

Supported devices	750-8212: PFC200; G2; 2ETH RS

Delivery

Delivery type	License certificate per email
License type (note)	A single license allows installation on one computer.
License type (note) (2)	A PC with both Internet connection and *e!COCKPIT* may be required for license activation.
Licence Generation	DRM

Commercial data

ETIM 8.0	EC001435
ETIM 7.0	EC001435
PU (SPU)	1 pcs
Country of origin	QU
GTIN	4055143982825
Customs tariff number	88888888888

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads
Documentation

System Description

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

Solutions, General Product Information

		pdf	Download
		315.5 kB	

Software Solutions (Applications)

Application-Based Controller Redundancy

Application-Based Controller Redundancy	2023-05-02	zip	Download
	2023 May 2	816.5 MB	

Increase availability in central ship alarm systems with WAGO's Application-Based Controller Redundancy (ACR).

The licensed software library (2759-0245/0211-1000) and an *e!COCKPIT* redundancy framework (LINK) allows you to easily program and operate redundant master PLCs in single point of failure (SPOF) tolerant systems.

A large number of the available 750 Series I/O Modules can be integrated into the system via Smart Couplers. These decentralized PLCs automatically recognize the input and output modules, which makes commissioning easy. The redundant communication of the two Master PLCs and the Smart Couplers is performed either via two separate networks (Dual-LAN) or a ring topology.

These Master PLCs (2nd generation PFC200) communicate with higher-level SCADA systems, for example, via the Modbus TCP protocol.

The application notes (a2020003 and a2020004) describe the practical use of the library and define the application area and the maximum number of participants within the system.

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2759-245/211-1000	URL	Download
Library Controller Redundancy Master; Single License; Online activation		

Installation Notes

Subject to changes. Please also observe the further product documentation!