

# Certificate



## Functional Safety Management

### FS Management (TÜV Rheinland)

IEC 61508 Parts 1-7:2010 - E/E/PE Safety Related System Realization (Phase 10)  
FSM 103 - Centralized Group Certification

#### Certificate No.

968/FSM 103.16/20

#### Certified Company & Location

Phoenix Contact Electronics GmbH  
Dringenauer Str. 30  
31812 Bad Pyrmont  
Germany



#### Scope of Certification

**Centralized Group Certification for IEC 61508 Parts 1-7:2010**  
considered following Safety Life-Cycle Phase

#### Phase 10 - Manufacturer - E/E/PE safety related System Realization

Details and limitations regarding the **Technical Scope and Local Scope of Certification** of committed Business Units are listed in the attached **Certificate Appendix 968/FSM103.16/20**, which forms integral part of this certificate.

The certified company has successfully demonstrated during an audit process that a Functional Safety Management System has been implemented and applied accordingly.

Purpose of the audit is to obtain evidence of compliance with the organizational requirements related to the following aspects, **Management of Functional Safety, Documentation, Functional Safety Assessment** and Safety Lifecycle Phases according to the Technical Scope of Certification up to and including **Safety Integrity Level 3 (SIL3)** and **Systematic Capability 3 (SC3)**.

It does not replace approval or certification for specific safety E/E/PE-safety related systems or product developments.

#### Validity

This certificate is valid until 2022-06-30

Cologne, 2020-12-16

Dr.-Ing. Thorsten Gantevoort

TÜV Rheinland Industrie Service GmbH

Bereich Automation  
Funktionale Sicherheit  
Am Grauen Stein, 51105 Köln

TÜV Rheinland  
Industrie Service GmbH  
Automation and Functional Safety  
Am Grauen Stein  
51105 Cologne - Germany

Certification Body Safety & Security for Automation & Grid  
Further information referring to the scope of certification, see <http://www.tuvasi.com>

## Certificate Appendix

This appendix forms integral part of Certificate No. 968/FSM 103.16/20, dated 2020-12-16

<b>Certificate Holder and Legal Responsibility</b>	<b>PHOENIX CONTACT Electronics GmbH (PxCE)</b> Dringenauer Str. 30 31812 Bad Pyrmont Germany
<b>Overall FSM Responsibility - FSM Central Office</b>	<b>PHOENIX CONTACT Electronics GmbH (PxCE)</b> BU Automation System (BU AS)  Dringenauer Str. 30 31812 Bad Pyrmont Germany

### Details and limitations regarding the Local Scope of Certification \*:

This FSM Certification only refers to company locations, as listed below, and their involved departments, which comply with the organizational FSM requirements for the considered Scope of Certification.

### Details and limitations regarding the Technical Scope of Certification \*\*::

This FSM Certification is related for Manufacturer **limited to the development of E/E/PE safety related products**, up to and including Systematic Capability 3 (SC3) and Safety Integrity Level 3 (SIL3):

**Full phase responsibility for realization of E/E/PE-safety related systems, including the development of safety related Hardware (E/E/PES safety lifecycle) and the development of safety related Software (Software safety lifecycle) according to IEC 61508 Parts 1-7:2010, Safety Life-Cycle Phase 10 - E/E/PE safety related Systems Realisation,**

considering the following phase activities:

- Management of Functional Safety
- Documentation
- Functional Safety Assessment
- Relationship E/E/PES and SW SLC
- E/E/PE Safety Lifecycle
- SW Safety Lifecycle

As part of the audit process organizational and informational exchange / supply related to other respective Safety Lifecycle Phases between the Certified Companies and its customer is considered.

### Levels of Certification \*\*\*:

Regarding the definition of **Maturity Levels** see latest **Certification Regulation** or information published on <https://www.certipedia.com/fs-products>.

Certified company locations:				
Country	# of Offices	* Local Scope of Certification	** Technical Scope of Certification	*** Maturity Level
Germany	3	PHOENIX CONTACT Electronics GmbH (PxCE) BU Automation System (BU AS)  Dringenauer Str. 30 31812 Bad Pyrmont  Germany	Developmant of Hardware and Firmware for E/E/PE- safety related System Realization, IEC 61508:2010 – Phase 10.	5
		PHOENIX CONTACT Software GmbH (PxCSW)  Langenbruch 6 32657 Lemgo  Germany	Developmant of Software and Firmware for E/E/PE- safety related System Realization, IEC 61508:2010 – Phase 10.	5
		PHOENIX CONTACT Electronics GmbH (PxCE) BU Automation Infrastructure (BU AI)  Dringenauer Str. 30 31812 Bad Pyrmont  Germany	Developmant of Hardware and Firmware for E/E/PE- safety related System Realization, IEC 61508:2010 – Phase 10.	3

Further Test Location(s) considered:	
Local Business Unit	Address
--	No further test locations considered.

Important Notes:
Further information and validity of certification can be found on <a href="https://www.certipedia.com/fs-products">https://www.certipedia.com/fs-products</a> .

Head of Certification Body for Certification of Management Processes
TÜV Rheinland Industrie Service GmbH Automation - Functional Safety & Cyber Security Am Grauen Stein 51105 Cologne – Germany <b>Email:</b> <a href="mailto:FSM.Services@de.tuv.com">FSM.Services@de.tuv.com</a> Template Version: V1.0, 2020-11-20