

Inspection Certificate



Certificate No **968/INS 799.01/25**

Client / Certificate Owner
Phoenix Contact Electronics GmbH
Dringenauer Str. 30
31812 Bad Pyrmont
Germany

Product
PLC modules for use in thermoprocessing systems

Type designation
Axioline

Standards applied for inspection	EN ISO 13849-1:2015	IEC 61131-2:2017
	EN ISO 13849-1:2023	IEC 61326-3-1:2017
	EN 61508 Parts 1-7:2010	EN 61000-6-7:2015
	IEC 61508 Parts 1-7:2010	

Inspection Results
The devices listed in Table 1 (see reverse side) can be used in safety related applications according to the standards EN ISO 13849-1:2015, EN ISO 13849-1:2023, EN 61508 Parts 1-7:2010, IEC 61508 Parts 1-7:2010, IEC 61131-2:2017, IEC 61326-3-1:2017, EN 61000-6-7:2015, IEC 61511-1:2017 and IEC 62061:2021.

The products in Table 1 and Table 2 (see reverse side) are considered to be suitable for use in the area of the following application standards:
NFPA 85:2023, NFPA 86:2023, NFPA 87:2024, EN 50156-1:2015, EN 50156-2:2015, EN 298:2022, 7.7.2.2, 9.3, 9.5, 9.6, 9.7, 9.8, 9.9, EN 746-2:2010, 5.7.2, EN ISO 13577-2:2023, 4.1.1, EN ISO 13577-4:2022, EN 12953-7:2002, EN 12952-8:2022, EN 267:2020, EN 676:2020, EN 1643:2022, 6.6, 6.6.4, 6.6.5, 7.7.7.2, and Annex E, and EN 13611:2019

Full compliance to the standards in most cases requires the implementation of a complete system including application programming and testing on system level. Therefore, the user is responsible for the compliance with all requirements from the application standards including requirements that influence the operation of the safety system. The end-user shall refer to the user manuals when engineering, implementing, and commissioning of the system.

Inspection Period
2024-02-01 - 2024-12-02

Cologne, 2025-09-19

TÜV Rheinland Industrie Service GmbH
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Table 1: List of safety related components

Product	Hardware Version	Software Version
AXL F PSDOR4/2 1F Axioline F safety module with safe relay outputs 1F Article no. 2702858	01	110
AXL F PSDI8/4 1F Axioline F safety module with safe digital inputs Article no. 2701559	03	312
AXL F PSDO8/3 1F Axioline F safety module with safe digital outputs Article no. 2701560	03	311
AXL F PSAI8 I 1F Axioline F safety module with safe analog inputs Article no. 1061424	00	111
AXL SE PSDI8/3 Axioline Smart Element with safe digital inputs Article no. 1079241	00	100
AXL SE PSDO4/2 2 A Axioline Smart Element with safe digital outputs Article no. 1079231	00	100
AXL E IOL SDI8 SDO4 2A M12 L Axioline E safety module with safe digital inputs and outputs for PROFINET/PROFIsafe systems Article no. 1185380	00	110 /110 (IO link Firmware not safety-relevant)
AXC F XT SPLC 1000 safety-related controller Article no. 1159811	05	1.1.0
AXC F XT SPLC 3000 safety-related controller Article no. 1160157	04	02.10.0006
RFC 4072S Remote Field Controller with integrated safety related PROFINET controller Article no. 1051328	04	02.10.0006
BPC 9102S industrial box PC with integrated safety-related controller Article no. 1246285	04	02.10.0006

The products listed in Table 2 are non-safety-related components and can be used to build up control systems. Faults in the module carrier or bus couplers are covered by diagnostic of the safety related components as listed in Table 1, e.g. by the safety protocol.

The below listed Controller – AXC F 3152 shall only be used for non-safety related purposes.

Table 2: List of non-safety related components

Product	Article no.
Bus coupler – AXL F BK PN TPS	Article no. 2403869
Bus coupler – AXL F BK PN	Article no. 2701815
Bus coupler – AXL F BK PN TPS XC	Article no. 1068857
Module carrier – AXL F BP SE4	Article no. 1088135
Module carrier – AXL F BP SE6	Article no. 1088136
Cover – AXL SE SC	Article no. 1167159
Bus connector – AXC BS L 2	Article no. 1064312
Controller – AXC F 2152	Article no. 2404267
Controller – AXC F 3152	Article no. 1069208