

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Phoenix Contact GmbH & Co. KG
Address	Flachsmarktstr. 8, Blomberg, 32825, Germany
Type	Control Units
Description	The pluggable Axioline Smart Elements are system-free modules without bus communication. The individual element only supports the I/O function. Only in combination with a backplane, which functions similarly to an adapter, bus communication for the respective I/O system is realized. Refer to the Appendix for further details.
Trade Name	Axioline Smart Elements
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 (suitable for use in general power distribution zones) as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2021.
Specified Standard	Manufacturer's specification
Ratings	Power supply: 24 V DC
Additional Tests	Low temperature (-15°C/16h)

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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document HPC2362048-23/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

TYPES

Order No.	Type	HW Version	Description
1079231	AXL SE PSDO4/2 2A	00	digital output module, safe digital outputs: 4 (1-channel assignment), 2 (2-channel assignment)
1079241	AXL SE PSDI8/3	00	digital input module, safe digital inputs: 8 (1-channel assignment), 4 (2-channel assignment)
1088062	AXL SE AI4 I 4-20	01	Analog input module, Analog inputs: 4, 4 mA ... 20 mA
1088106	AXL SE RTD4 PT100	01	Temperature recording module, Analog RTD inputs: 4 (Pt 100)
1088123	AXL SE AO4 I 4-20	01	Analog output module, Analog outputs: 4, 4 mA ... 20 mA
1088123	AXL SE AO4 I 4-20	02	Analog output module, Analog outputs: 4, 4 mA ... 20 mA
1088127	AXL SE DI16/1	02	Digital input module, Digital inputs: 16
1088127	AXL SE DI16/1	01	Digital input module, Digital inputs: 16
1088128	AXL SE RS485	02	Communication module, interface: RS-485
1088129	AXL SE DO16/1	02	Digital output module, Digital outputs: 16
1088129	AXL SE DO16/1	01	Digital output module, Digital outputs: 16
1588884	AXL SE BP SE4-M	00	Backplane
1588887	AXL SE BP SE6-M	00	Backplane
1167159	AXL SE SC	01	Slot cover
1088134	AXL SE SC-A	01	Slot cover, Diagnostic function