

Distributed I/O device - AXL E IOL TC4/K M12 - 2702983

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Axioline E IO-Link/analog converter with 4 analog TC inputs (type K/J), 2-conductor connection technology, 1 IO-Link A port, 24 V DC, degree of protection IP65

Product Description


The Axioline E IO-Link/analog converter is an IO-Link device that transfers analog signals from thermocouples (TCs) via the IO-Link protocol. The device offers you the option of using an IO-Link master to record the analog signals of conventional Type K thermocouples (TC). It supports type K/J thermocouples in accordance with DIN EN 60584-1. The measured values are depicted in standardized representation format. The device is connected to an IO-Link master via an IO-Link A port. Use within different networks is possible via the IO-Link master.

Your advantages

- ✓ Connection to an IO-Link master with M12 connector (A-coded, 4-pos.)
- ✓ IO-Link A port
- ✓ IO-Link specification V1.1.2
- ✓ Status indicators
- ✓ 4 differential inputs for thermocouples
- ✓ Measuring range type K: -270°C ... +1,372°C
- ✓ Measuring range type J: -210°C ... +1,200°C
- ✓
- ✓ Connection of sensors in 2-conductor technology
- ✓
- ✓ Diagnostic information in the process data word
- ✓
- ✓ IP65 degree of protection



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 447261
GTIN	4055626447261

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Weight per Piece (excluding packing)	380.000 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	150 mm
Height	54 mm
Depth	118 mm
Note on dimensions	When installing, note the length of the M12 connector for the IO-Link cable and the bending radii of the TC cables.

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP65

General

Housing material	Polycarbonate
Color	light grey RAL 7035
Net weight	384.3 g

Electrical isolation

Test section	IO-Link bus logic 500 V AC 50 Hz 1 min.
	Thermocouple I/O devices 500 V AC 50 Hz 1 min.
	Functional ground 500 V AC 50 Hz 1 min.

Standards and Regulations

Immunity to ESD	Noise immunity test in accordance with EN 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion A, 6 kV contact discharge, 8 kV air discharge
Immunity to EF	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion A, 2 kV
Immunity to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V

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Technical data

Standards and Regulations

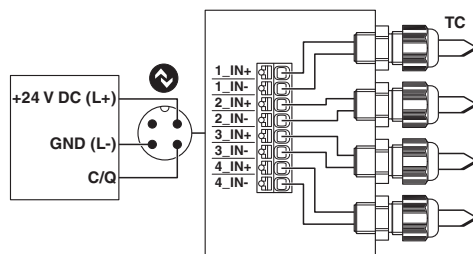
Interference emission	Noise emission test as per EN 61000-6-4 Class A
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 50g, 11 ms period, half-sine shock pulse
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

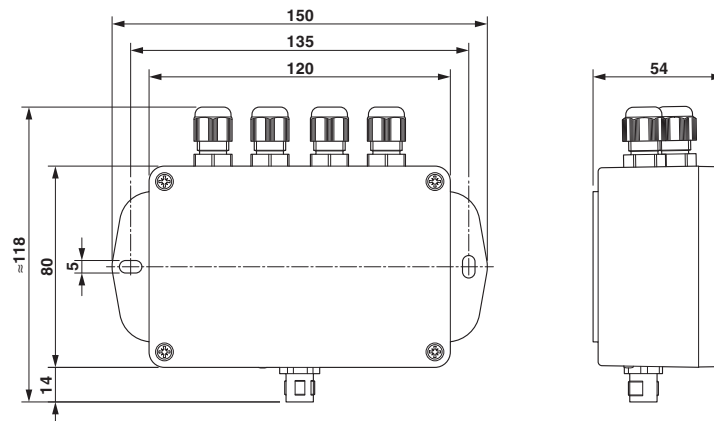
REACH SVHC	Lead 7439-92-1
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Drawings

Connection diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27242601
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Classifications

eCl@ss

eCl@ss 11.0	27242601
eCl@ss 6.0	27242600
eCl@ss 7.0	27242601
eCl@ss 9.0	27242601

ETIM

ETIM 6.0	EC001596
ETIM 7.0	EC001596

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cULus Listed			
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Accessories

Accessories

Network management software

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Accessories

Software - IOL-CONF - 1083065



IOL-CONF is a browser-based configuration software tool for the easy startup of IO-Link devices

Sealing plugs

Closing cap - SEALING PLUG 5X12 RD - 1400253



Closing cap, material: PA, color: red

Shield connection

Shield connection - AXL E TC4 SHIELD SET - 1065793



Axioline E shield connection set (includes 5 shield braid clips for receiving shielded TC compensating lines)