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AXL E IOL AO1 I M12 S - Analog module

2700351

https://www.phoenixcontact.com/gb/products/2700351

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Axioline E IO-Link/analog converter for connecting an analog actuator, 4 mA ... 20 mA, M12 connectors, straight version

Product description

The IO-Link/analog converter is an IO-Link device that converts the IO-Link protocol into analog signals. It therefore enables you to transmit signals to analog actuators via an IO-Link master.

Your advantages

- Connection to an IO-Link master with M12 connector (A-coded, 4-pos.)
- 1 IO-Link interface
- IO-Link A port
- IO-Link specification V1.1.1
- Straight version
- 1 analog output
- Connection of the actuator in 3-conductor technology via M12 connector (A-coded, 5-pos.)
- Current range: 4 mA ... 20 mA
- Functional ground connection for local connection to functional ground
- Supply of the module electronics and the actuator via the IO-Link interface of the IO-Link master
- Local status indicator
- IP65/IP67 degree of protection

Commercial data

Item number	2700351
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRI7Z5
Product key	DRI7Z5
Catalog page	Page 183 (C-6-2019)
GTIN	4046356782654
Weight per piece (including packing)	51.1 g
Weight per piece (excluding packing)	34 g
Customs tariff number	85176200
Country of origin	DE

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Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

Product properties

Product type	Interface converter
Product family	Axioline E
Type	Stand-Alone
	Axioline E
Type	straight
Diagnostics messages	Short circuit Message in the diagnostic code (in the IB IL format)
	Configuration invalid Message in the diagnostic code (in the IB IL format)
	Module faulty Message in the diagnostic code (in the IB IL format)

Insulation characteristics

Pollution degree	2

Electrical properties

Supply: IO-Link

Nominal voltage for I/O supply	24 V DC (This supply voltage is provided via the IO-Link interface of the IO-Link master.)
Nominal current for every IO-Link port	max. 100 mA
Current consumption	typ. 16.5 mA ±15 % (at 24 V DC)
	max. 135 mA
Protective circuit	Reverse polarity protection
	Short-circuit protection
	Overload protection

Input data

IO-Link

Number of ports	1
Connection method	M12 connector, A-coded
Connection technology	3-conductor
Specification	V1.1.1
Reverse polarity protection	yes
Cycle Time	min. 2 ms
Process data update	2 ms
Amount of process data	16 bit (Input data)
	16 bit (Output data)

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Output data

Analog:

Output name	Analog output
Connection method	M12 connector, A-coded
Connection technology	3-conductor
Number of outputs	1 (current)
D/A converter resolution	12 bit
Data formats	IB IL, S7-compatible
Current output signal	4 mA ... 20 mA
Load/output load current output	max. 500 Ω
Permissible cable length	max. 30 m (Shielded cable)

Signaling

Diagnostic messages

Diagnostics	Short circuit
Message	Message in the diagnostic code (in the IB IL format)

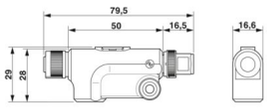
Diagnostic messages

Diagnostics	Configuration invalid
Message	Message in the diagnostic code (in the IB IL format)

Diagnostic messages

Diagnostics	Module faulty
Message	Message in the diagnostic code (in the IB IL format)

Dimensions

Dimensional drawing	
Width	16.6 mm
Height	29 mm
Depth	79.5 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP65/IP67
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)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %

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Permissible humidity (storage/transport)	5 % ... 95 %

Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

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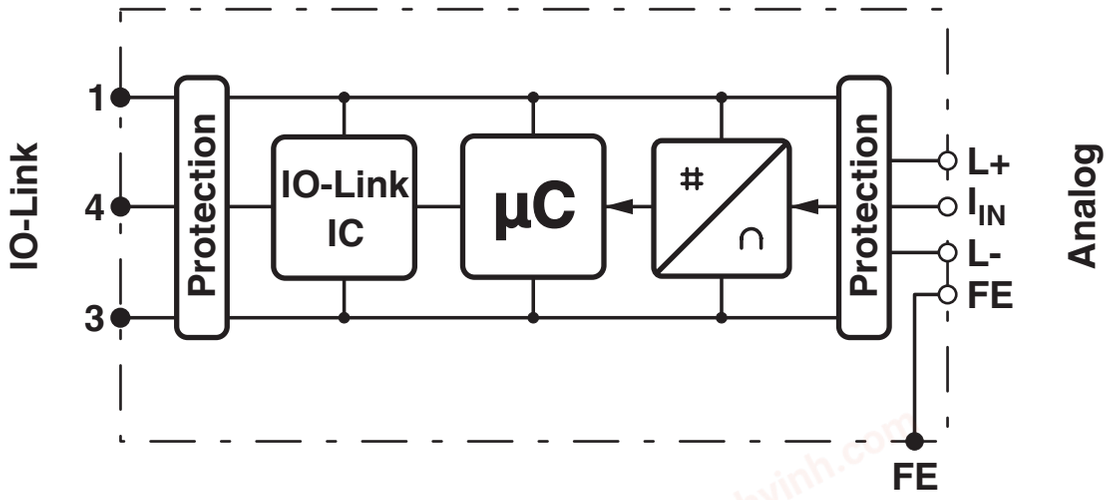
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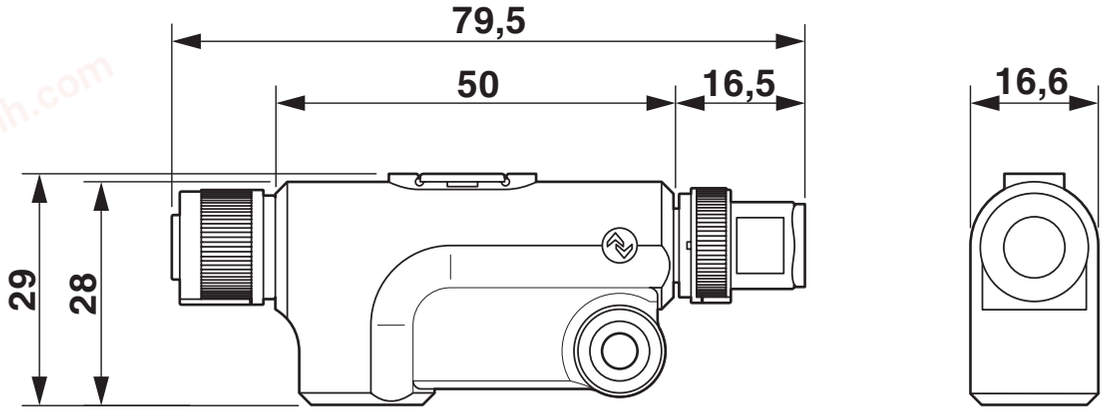
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Drawings

Block diagram



Dimensional drawing



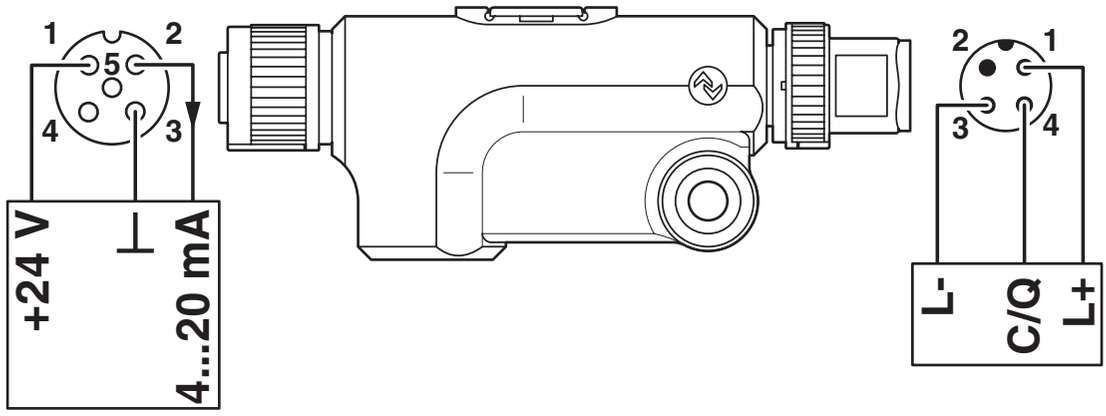
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Connection diagram



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2700351

UL Listed
Approval ID: FILE E 140324

cUL Listed
Approval ID: FILE E 140324

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27242601
ECLASS-12.0	27242601
ECLASS-13.0	27242601

ETIM

ETIM 9.0	EC001596

UNSPSC

UNSPSC 21.0	32151600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	4632fb0e-2bd0-46c8-8a15-b06db310e552

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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk