

AXL E IOL AO1 U M12 R - Analog module



2700278

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Axioline E IO-Link/analog converter for connecting an analog actuator, 0 V ... 10 V, M12 connectors, angled 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
- Angled version
- 1 analog output
- Connection of the actuator in 3-conductor technology via M12 connector (A-coded, 5-pos.)
- Voltage range: 0 V ... 10 V
- 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 | 2700278 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DR04 |
| Product key | DRI7Z5 |
| GTIN | 4046356782593 |
| Weight per piece (including packing) | 50 g |
| Weight per piece (excluding packing) | 34 g |
| Customs tariff number | 85176200 |
| Country of origin | DE |

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Technical data

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Product properties

| | |
|----------------------|--|
| Product type | Interface converter |
| Product family | Axioline E |
| Type | Stand-alone Axioline E |
| 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 \pm 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 |
| Amount of process data | 16 bit (Input data) 16 bit (Output data) |

Output data

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Analog:

| | |
|---------------------------------|----------------------------|
| Output name | Analog output |
| Connection method | M12 connector, A-coded |
| Connection technology | 3-conductor |
| Number of outputs | 1 (voltage) |
| D/A converter resolution | 12 bit |
| Data formats | IB IL, S7-compatible |
| Voltage output signal | 0 V ... 10 V |
| Load/output load voltage output | min. 2 kΩ |
| 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) |

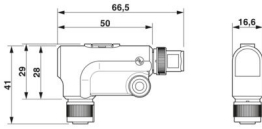
Diagnostic messages

| | |
|-------------|--|
| 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 | 42 mm |
| Depth | 66.5 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 % |
| Permissible humidity (storage/transport) | 5 % ... 95 % |

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Standards and regulations

Protection class

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

Mounting

Mounting type

Screw mounting (M12 thread)

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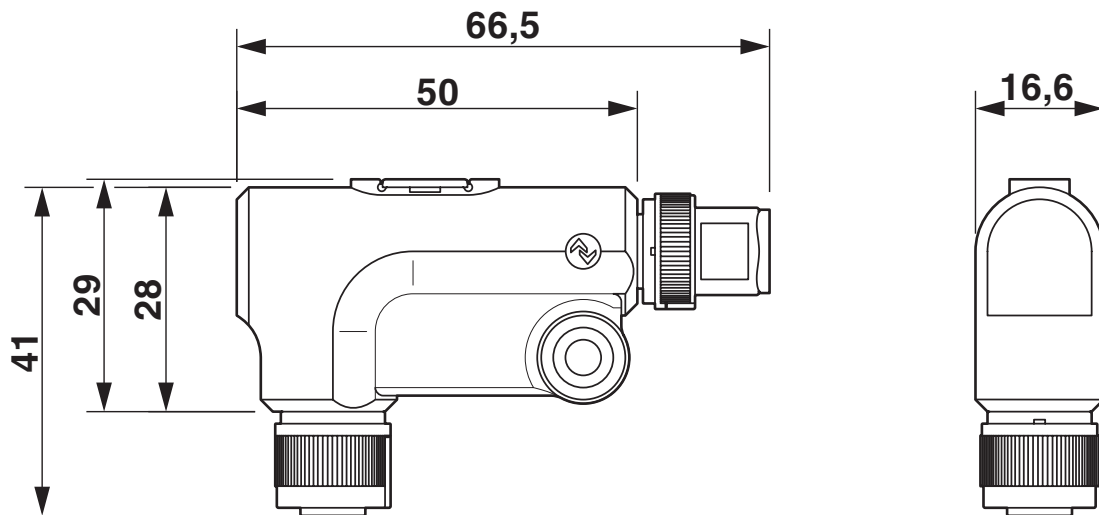
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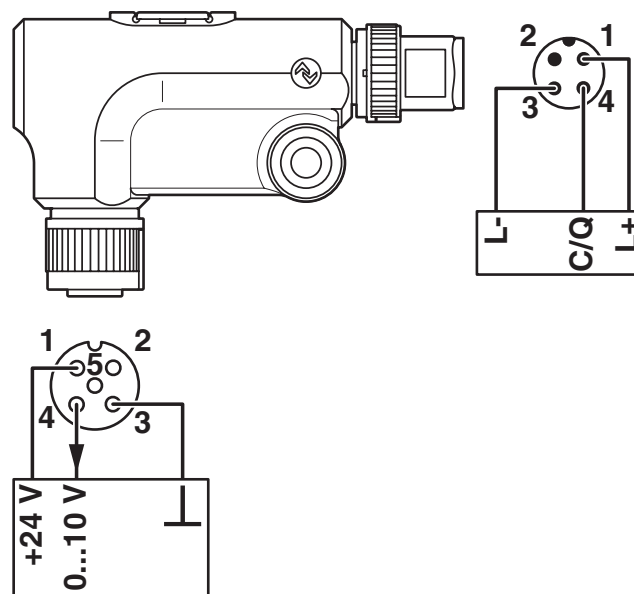


Drawings

Dimensional drawing



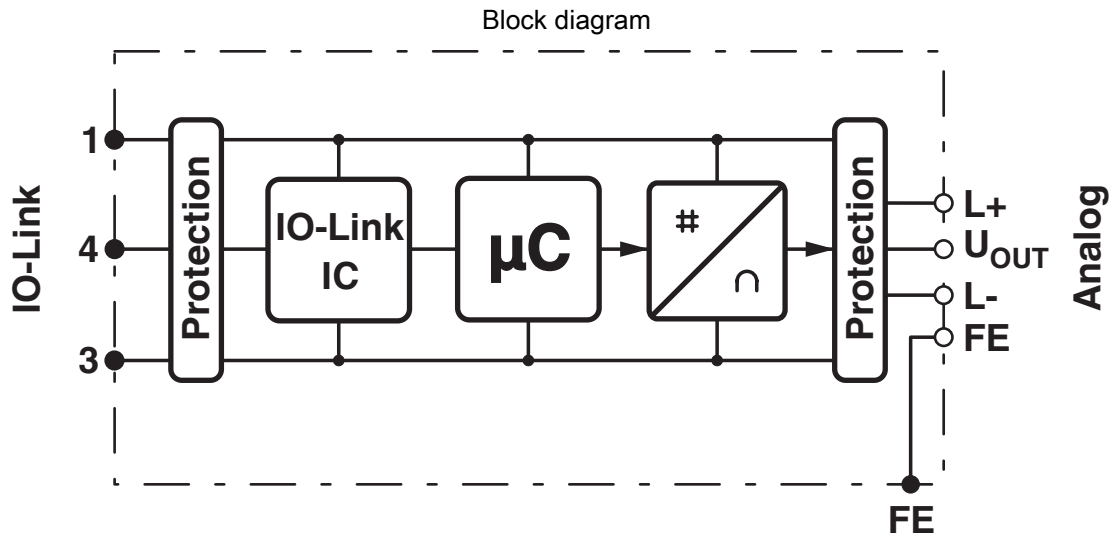
Connection diagram



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Approvals

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cULus Listed

Approval ID: E140324

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27242601 |
| ECLASS-15.0 | 27242601 |

ETIM

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|-----------|----------|
| ETIM 10.0 | EC001596 |
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UNSPSC

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| 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 | 8154ff83-8f9b-43ed-87f6-37acccd97aa6 |

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