

## Distributed I/O device - AXL E IOL DI16 M12 6P - 2702660

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Axoline E digital input device via IO-Link in plastic housing with an IO-Link A-port and 16 inputs, 24 V DC, 4-conductor technology, M12 fast connection technology

### Product Description

The Axoline E digital input device is connected to an IO-Link master via an IO-Link A port. It is used to acquire digital signals via IO-Link. Use within different networks is possible via the IO-Link master.

### Your advantages

- Connection to an IO-Link master using M12 connectors (A-coded, 4-pos.)
- Type A port
- IO-Link specification V1.1.2
- Connection of up to 16 inputs with M12 connectors (A-coded, 5-pos.)
- Diagnostic and status indicators
- Short-circuit and overload protection of the sensor supply
- Device rating plate stored
- IP65/IP67 degree of protection



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 280103
GTIN	4055626280103
Weight per Piece (excluding packing)	300.000 g
Custom tariff number	85176200
Country of origin	Germany

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## Technical data

### Note

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

Width	60 mm
Height	141 mm
Depth	20 mm
Note on dimensions	The height is 170 mm including fixing clips. The depth is 30 mm including the connector.

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °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/IP67

### Digital inputs

Description of the input	EN 61131-2 types 1 and 3
Connection method	M12 connector
Connection technology	4-conductor
Number of inputs	16
Protective circuit	Overload protection, short-circuit protection of sensor supply
	Polarity reversal protection of the inputs
Nominal input voltage $U_{IN}$	24 V DC
Nominal input current at $U_{IN}$	typ. 2.4 mA
Input filter time	1 ms
Cable length	max. 30 m (To the sensor)
Input voltage range "0" signal	-3 V ... 5 V DC
Input voltage range "1" signal	11 V DC ... 30 V DC

### General

Housing material	Pocan®
Mounting type	Wall mounting
Color	anthracite grey RAL 7016
Net weight	295.6 g

### Electrical isolation

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## Technical data

### Electrical isolation

Test section	24 V supply / functional ground 500 V AC 50 Hz 1 min.
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### Standards and Regulations

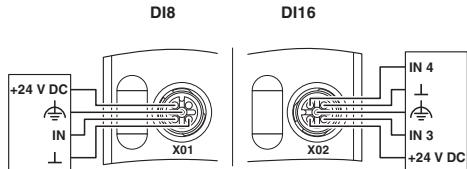
Immunity to ESD	Noise immunity test in accordance with EN 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 6 kV contact discharge, 8 kV air discharge
Immunity to EF	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion 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 B, 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
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 30g, 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

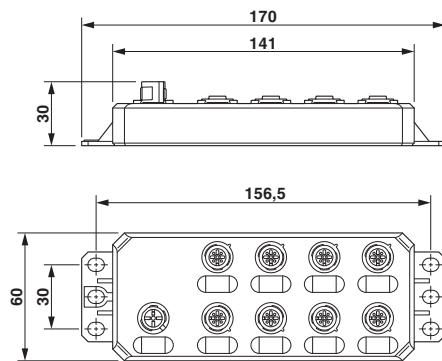
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Connection diagram



Dimensional drawing



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### Classifications

#### eCl@ss

eCl@ss 10.0.1	27242604
eCl@ss 11.0	27242604
eCl@ss 6.0	27242600
eCl@ss 7.0	27242604
eCl@ss 9.0	27242604

#### ETIM

ETIM 6.0	EC001599
ETIM 7.0	EC001599

#### UNSPSC

UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

### Approvals

#### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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#### Approval details

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UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		1 A	

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### Approvals

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
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cULus Listed	
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### Accessories

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#### Device marking

#### Snap-in markers - UCT-EM (7X10) - 0830765



Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped into marker carrier, lettering field size: 7 x 10 mm, Number of individual labels: 30

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#### Network management software

#### Software - IOL-CONF - 1083065



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

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#### Plug for cable screw gland

#### Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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### Accessories

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