AXL E IOL DO8 M12 6P - Digital module

2702659

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Axioline E, Digital output device, IO-Link ports Class B: 1, connection method: M12 connector, A-coded, connection technology: 5-conductor, Digital outputs: 8, 24 V DC, 500 mA, connection technology: 3-conductor, Plastic housing, degree of protection: IP65/IP67

Product description

The Axioline E digital output device is connected to an IO-Link master via an IO-Link B-port. It is used to output digital signals via IO-Link. 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.)
- Type B port with additional power supply
- IO-Link specification V1.1.2
- Connection up to 8 outputs 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

ELEKTROGERÄTE RÜCKNAHME

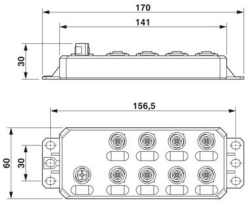
Commercial data

Item number	2702659
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR04
Product key	DRI7DF

GTIN	4055626279695
Weight per piece (including packing)	297.4 g
Weight per piece (excluding packing)	302 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Dimensions

Dimensional drawing	
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.

Notes

Note on application

Note on application	Only for industrial use

Mounting

Mounting type	Screw mounting

Material specifications

Color (Housing)	anthracite gray (RAL 7016)
Housing material	Pocan®

Input data

IO-Link

Number of ports	1
Connection method	M12 connector, A-coded
Connection technology	5-conductor
Port type	Class B
Specification	V1.1.2
Reverse polarity protection	yes
Transmission speed	230.4 kbps (COM3)
Cycle Time	< 1 ms
Amount of process data	16 bit (Output data)

Output data

Digital:

Output name	Digital outputs
Connection method	M12 connector

Connection technology	3-conductor
Number of outputs	8
Protective circuit	Overload protection, short-circuit protection of outputs; Electronic
Output voltage	24 V DC
Limitation of the voltage induced on circuit interruption	-28 V ... -15 V
Output current	max. 500 mA (per port)
	max. 4 A (per device)
Nominal output voltage	24 V DC (from voltage U_A)
Load min.	10 kΩ
Output voltage when switched off	max. 1 V
Output current when switched off	max. 300 µA
Nominal load, inductive	max. 12 VA (1.2 H, 48 Ω, with nominal voltage)
Nominal load, lamp	max. 12 W (at nominal voltage)
Nominal load, ohmic	max. 12 W (48 Ω, with nominal voltage)
Behavior with overload	Auto restart
Behavior with inductive overload	Output can be destroyed
Switching frequency	max. 1000 per second
	max. 1 per second (with inductive load)
	max. 16 per second (with nominal lamp load)
Reverse voltage resistance to short pulses	limited protection up to 0.5 A for 1 s
Signal delay	max. 100 µs (when switched on)
	max. 100 µs (when switched off, with at least 50 mA load current)
Overcurrent shut-down	as of 0.7 A
Output current with ground connection interrupt when switched off	< 1 mA

Product properties

Product type	I/O component
Product family	Axioline E
Type	Stand-alone
Special properties	Plastic housing

Electrical properties

Supply: IO-Link

Designation	IO-Link port supply (L+)
Nominal voltage for I/O supply	24 V DC (Provided via the IO-Link interface of the IO-Link master.)
Supply voltage range	20 V DC ... 30 V DC (including all tolerances, including ripple)
Nominal current per device	approx. 15 mA
Permissible cable length	max. 20 m
Protective circuit	Reverse polarity protection; yes

Supply: Actuators

Designation	Supply of actuators (U_A)
Supply voltage	24 V DC (Nominal voltage)

Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 500 mA (per port)
	max. 4 A (Device dependent; observe the current of the IO-Link master that is made available via U_A.)

Electrical isolation/isolation of the voltage ranges

Test voltage: 24 V supply (logic supply)/24 V supply (actuator supply)	500 V AC, 50 Hz, 1 min
Test voltage: 24 V supply (logic supply) / FE	500 V AC, 50 Hz, 1 min
Test voltage: 24 V supply (actuator supply)/FE	500 V AC, 50 Hz, 1 min

Connection data

Connection method	M12 connector
Note on the connection method	in accordance with IEC 61076-2-101, M12 connection technology

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 ... 70 °C
Permissible humidity (storage/transport)	5 % ... 95 %

Mechanical test

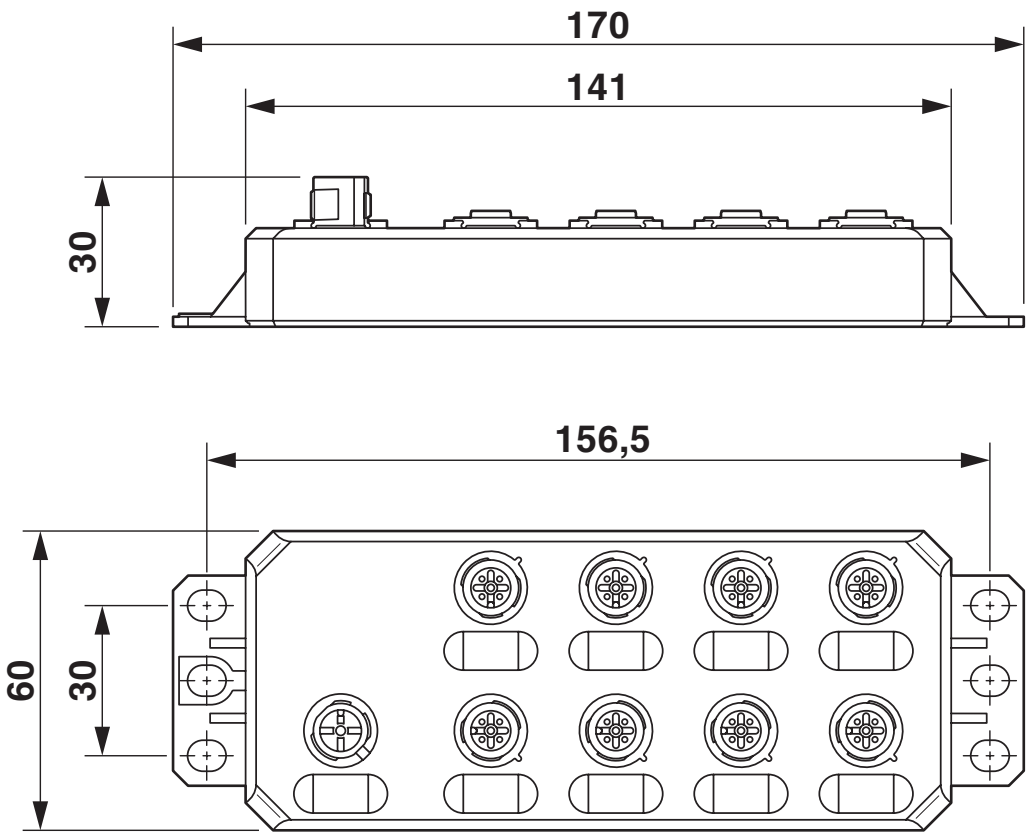
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	30g, 11 ms period, half-sine shock pulse
Continuous shock in accordance with EN 60068-2-27/IEC 60068-2-27	10g

Standards and regulations

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

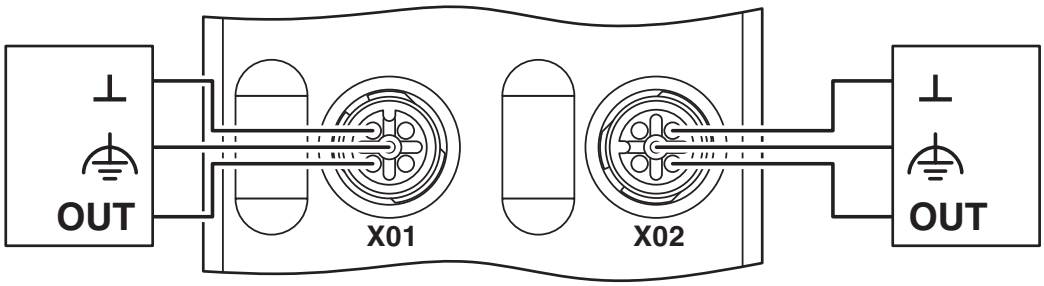
Drawings

Dimensional drawing



Dimensions (in mm)

Connection diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2702659

cULus Listed
Approval ID: E238705

Classifications

ECLASS

ECLASS-13.0	27242604
ECLASS-15.0	27242604

ETIM

ETIM 10.0	EC001599

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

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	e8612b1c-0818-441a-8f68-42dd81113a4a

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com