

Digital module - AXL E PN DI16 M12 6M-L



1300834

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Axioline E, Digital input device, PROFINET, M12 connector (D-coded), Digital inputs: 16, 24 V DC, connection technology: 4-conductor, degree of protection: IP65/IP67

Product Description

The Axioline E device is designed for use within a PROFINET network. It is used to acquire digital signals. The device is suitable for use without a control cabinet in harsh industrial ambient conditions.

Your advantages

- Connection with M12 connectors with push-pull fast connection or screw connection
- Mapping in accordance with PROFINET specification V2.4 as PROFINET device (Conformance Class C)
- PROFINET Fast Startup function supported
- PROFINET system redundancy S2 supported
- PROFINET IRT supported with min. 1 ms cycle time
- 2 Ethernet ports (with integrated switch)
- Transmission speed of 100 Mbps
- Short-circuit and overload protection
- IP65/IP67 degree of protection

Commercial Data

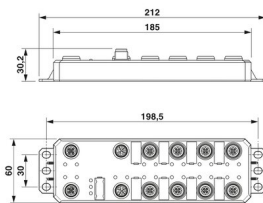
Item number	1300834
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	DRI7NA
GTIN	4063151544843

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Technical Data

Dimensions

Dimensional drawing	
Width	60 mm
Height	212 mm
Depth	30.2 mm

Material specifications

Housing material	Zinc die-cast
Color	gray

Interfaces

PROFINET

Number of interfaces	2
Connection method	M12 connector (D-coded)
Note on the connection method	Push-pull screw fast connection or screw connection
Number of positions	4
Transmission speed	100 Mbps (with auto negotiation)
System-specific protocols	PROFINET protocols LLDP PROFINET protocols MRP client PROFINET protocols DCP PROFINET protocols DCE-RPC
Protocols supported	HTTP SNMP v1

System properties

PROFINET

Device function	PROFINET device
Update rate	1 ms
Conformance Class	C

Input data

Digital

Input name	Digital inputs
Description of the input	EN 61131-2 types 1 and 3

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Number of inputs	16
Cable length	max. 30 m (to the sensor)
Connection method	M12 connector (A-coded)
Connection technology	4-conductor
Input voltage range "0" signal	0 V ... 5 V DC
Input voltage range "1" signal	11 V DC ... 30 V DC
Nominal input voltage U_{IN}	24 V DC
Nominal input current at U_{IN}	typ. 2.5 mA
Input filter time	3000 μ s
	1000 μ s (Default)
	< 100 μ s (Filter disabled)
Protective circuit	Reverse polarity protection; yes
	Short-circuit protection; yes
	Overload protection; yes

Product properties

Type	Stand-Alone
Product type	I/O component

Insulation characteristics

Pollution degree	2 (IEC 60664-1, EN 60664-1)
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Electrical properties

Supply: Sensors

Designation	Supply of the logic and sensors (U_S)
Connection method	M12 connector (L-coded)
Number of positions	4
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	typ. 65 mA
	max. 16 A

Supply: Actuators

Designation	Supply of actuators (U_A) for additional devices
Connection method	M12 connector (L-coded)
Number of positions	4
Supply voltage	24 V DC (Nominal voltage)
Supply voltage range	18 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	typ. 4 mA
	max. 16 A

Connection data

Connection method	M12 connector
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Environmental and real-life conditions

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Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °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 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

Standards and regulations

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

ECLASS

ECLASS-9.0	27242604
ECLASS-10.0.1	27242604
ECLASS-11.0	27242604

ETIM

ETIM 8.0	EC001599
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UNSPSC

UNSPSC 21.0	32151600
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