

Overview

- Suitable for field use with IP67
- 8 flexibly assignable ports enable various control concepts
- Interface diversity with 2x PROFINET, Modbus TCP and OPC UA



Technical data

General data

Degree of protection	IP67
LED Indicators	Digital Input Ethernet Port Status IO-Link Module status Network status Power supply
Communication Interfaces	Ethernet IO-Link
Protocols	PROFINET OPC UA Modbus TCP
Software	Integrated webserver for configuration

Electrical data

Connector	Female M12 5-Pol, A-coded Female M12 5-Pol, L-coded, (Supply output) Female M12 4-Pole, D-coded Male M12 5-Pol, L-coded, (Supply input)
Power supply	20 - 30 VDC
Power Consumption	120 mA
Current supply	UA 16 A (Actuators) US 16 A (Master and Sensors)

Communication interface Ethernet

Number of connections	2
Connector	Female M12 4-Pole, D-coded
Standards	IEEE 802.3: 10Base-T / IEEE 802.3u: 100Base-TX
Transmission rate	10 MBit/s
Cable length	100 m
Protocols	PROFINET OPC UA Modbus TCP

Communication interface IO-Link

IO-Link port type	Class A
Number of connections	8

Communication interface IO-Link

Number of input and outputs	8 x IO-Link Digital Output (DO) Digital Input (DI)
Output current L+/L-	1,6 A (Port 1) 1,0 A (Port 3) 500 mA (Port 2, 4-8)
Output current C/Q	200 mA
Output current Master max.	6,7 A
Short-circuit-proof	Yes
Reverse polarity protected	Yes

Communication interface Digital input

Standards	IEC 61131-2 Typ 1 and Typ 3 conform
Thresholds Pin 2	High: 6,8 VDC Low: 5,2 VDC
Thresholds Pin 4	High: 10,5 VDC Low: 8,0 VDC
Input current	3 mA

Communication interface Digital output

Output voltage	24 VDC
Output current max.	20 mA
Output function	NPN PNP Push-Pull
Connector	Female M12 5-Pol, A-coded
Output current L+/L-	1,6 A (Port 1) 1,0 A (Port 3) 500 mA (Port 2, 4-8)
Output current C/Q	200 mA
Output current Master max.	6,7 A
short-circuit-proof	Yes
Reverse polarity protected	Yes

Mechanical data

Model	Cubic
Enclosure	Polyamid 66
Width	65 mm

Technical data

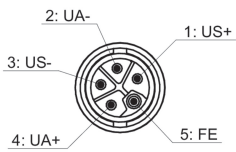
Mechanical data

Height	212 mm
Depth	30 mm
Weight	454 g

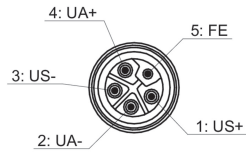
Environmental conditions

Operating temperature	- 25 °C ... + 60 °C
Storage temperature	- 40 °C ... + 70 °C

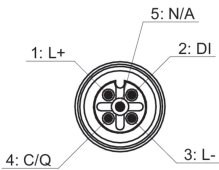
Connection diagram



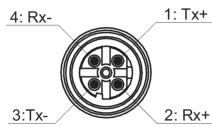
Connection: Input: Power supply



Connection: Output: Power supply



Connection: IO-Link Dual-Channel



Connection: Ethernet

Dimensional drawings (mm)

