

## Overview

- IP67 field device
- 8 ports for integrating sensors via IO-Link or I/O
- 2 PROFINET ports
- Supports 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 Modbus TCP OPC UA
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 V DC
Power Consumption	155 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 100 MBit/s
Cable length	100 m
Protocols	PROFINET Modbus TCP OPC UA

### 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 - 8.0 V DC Low: 5.2 - 6.4 V DC
Thresholds Pin 4	High: 10.5 - 13.0 V DC Low: 8.0 - 11.5 V DC
Input current	3 mA
Cable length	30 m

### Communication interface Digital output

Output voltage	24 V DC
Output current max.	200 mA
Output function	NPN PNP Push-Pull
Cable length	30 m
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	Polyamide 66

**Technical data**

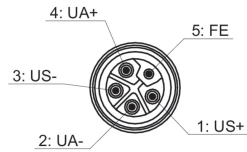
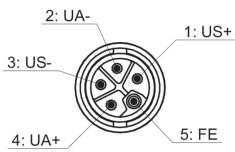
**Mechanical data**

Width	65 mm
Height	212 mm
Depth	30 mm
Weight	454 g

**Environmental conditions**

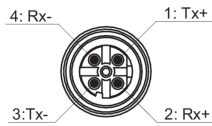
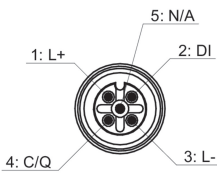
Operating temperature	- 25 °C ... + 60 °C
Storage temperature	- 40 °C ... + 70 °C

**Connection diagram**



Connection: Input: Power supply

Connection: Output: Power supply



Connection: IO-Link Dual-Channel

Connection: Ethernet

**Dimensional drawings (mm)**

