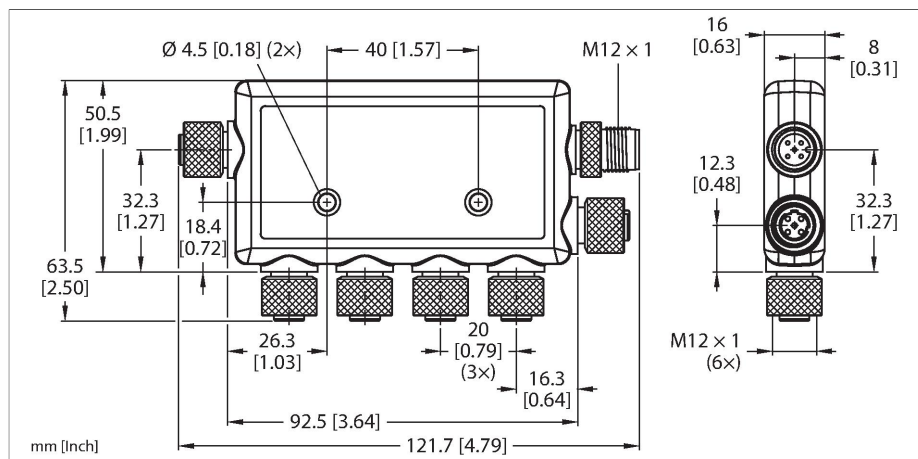


DXMR90-4K

Network Controller – 4 IO-Link Master Ports

Modbus RTU and Ethernet Interface



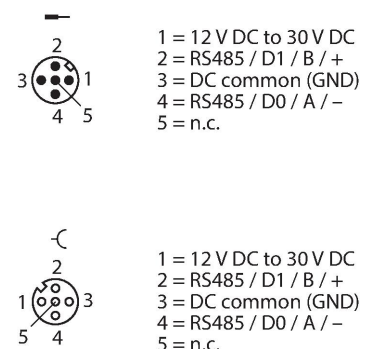
Technical data

Type	DXMR90-4K
ID	3813874
Wireless data	
Device type	IO-Link master
I/O data	
Number of channels	4
Number of channels	4
Communication protocol	RS485 Modbus RTU EtherNet/IP Modbus TCP PROFINET
Electrical data	
Runs with battery	No
Operating voltage U_B	18...30 VDC
DC rated operating current I_o	≤ 120 mA
Power-on indication	LED, Green
Mechanical data	
Design	Rectangular, DXMR90
Dimensions	16 x 121.7 x 63.5 mm
Housing material	Plastic, PC, Grey
Electrical connection	Connector, M12 x 1, 5-pin
Antenna connection	No radio participant
Ambient temperature	-40...+70 °C
Storage temperature	-40...+80 °C
Relative humidity	0...90 %
Protection class	IP67

Features

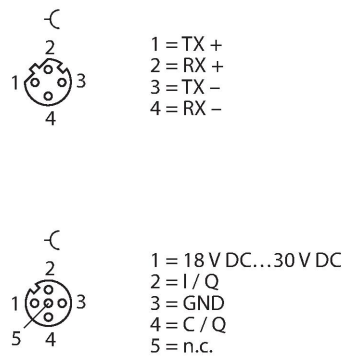
- Protection class IP67
- Flat, compact housing
- Configurable LEDs
- Logic functions, supports ScriptBasic
- Supports MQTT, TLS, SSL, HTTPS
- Email and cloud function, timing and data logger
- Can be configured via DXM Configuration Software
- Operating voltage: 18...30 VDC
- Inline RS485 connection, supports Modbus RTU
- Four independent IO-Link master ports via 4-pin M12 x 1 female connectors
- Ethernet interface: M12 x 1 female connector, 4-pin, D-coded
- Supports EtherNet/IP, Modbus TCP and - PROFINET

Wiring diagram



Technical data

Tests/approvals	
Vibration resistance	Acc. to IEC 60068-2-6 requirements (vibration: 10 Hz to 55 Hz, 1.0 mm amplitude, 5 minutes sweep, 30 minutes dwell)
Shock test	Acc. to IEC 60068-2-27 requirements (shock: 30 G, 11 ms duration, half sinewave)
Approvals	CE UKCA



Functional principle

The DXM network controller offers a variety of functions. This small control unit works with various bus protocols and allows the processing of data with logic functions, timed actions and registry manipulations. Up to four independent IO-Link masters with separate ports can be configured. Emails, push notifications, etc. can be sent via Ethernet if required, and much more. The controller is configured using PC software.

Accessories

Dimension drawing	Type	ID	
Keine Maßzeichnung vorhanden! No drawing available!	STP-M12D-406	3806414	Extension cable, M12 ×1 male connector, D-coded to RJ45, cable length: 1.83 m
Keine Maßzeichnung vorhanden! No drawing available!	STP-M12D-430	3806416	Extension cable, M12 ×1 male connector, D-coded to RJ45, cable length: 9.14 m
Keine Maßzeichnung vorhanden! No drawing available!	STP-M12D-415	3806415	Extension cable, M12 ×1 male connector, D-coded to RJ45, cable length: 4.57 m