

1) Tightening torque



Basic features

Approval/Conformity	CE cULus WEEE UKCA
Principle of operation	Processor unit
Display/Operation	
Function indicator	System Failure Status, LED red BUS Failure Status, LED red Ready, LED green Link/Activity Port2, LED green Link/Activity Port1, LED green

Electrical connection

Connection (COM 1)	Port 1: M12x1-Female, 4-pin, D-coded
Connection (COM 2)	Port 2: M12x1-Female, 4-pin, D-coded
Connection (IO-Link/Service)	M12x1-Female, 5-pin, A-coded
Connection (supply voltage IN)	M12x1-Male, 4-pin
Connection slots	H1: M12x1-Female, 5-pin H2: M12x1-Female, 5-pin H3: M12x1-Female, 5-pin H4: M12x1-Female, 5-pin
Connector port 01, note type	for all VU/VM/VL-3... with connector, 4-pin

Electrical data

Current consumption max. at 24 V DC	2 A
Current consumption max. at 24 V DC without load	150 mA
IO-Link function	Master (max. 500 mA)
Nominal voltage	24 VDC
Operating voltage U_b	24 V DC SELV/PELV
Residual ripple max.	10 %

Environmental conditions

Altitude max.	2000 m
Ambient temperature	0...60 °C
Area of operation	Indoor
Contamination scale	2
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
IP rating	IP65, with connector
Relative humidity	0...90 %, non-condensing

Functional safety

MTTF (40 °C)	63.7 a
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Interface

Auxiliary interfaces, number	1x IO-Link
IO-Link version	1.1
Interface	Profinet I/O (IRT) 2 port Switch

Material

Housing material	Zinc, Die casting
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Mechanical data

Application weight	750.00 g
Dimension	48 x 62 x 172 mm

Remarks

When installing, the technical standards and regulations of the corresponding countries must be observed.
Values are under rated conditions unless otherwise specified.

Current consumption when 4 read/write heads and IO-Link device are connected to the IO-Link port max. 2 A

The devices must be installed permanently.

1. Determine a suitable mounting position.
2. Fasten the device with suitable mounting material.

This device is intended to be supplied by a UL-listed or CSA-certified power supply unit with "Class 2" or LPS power source.

The device can be cleaned with a slightly damp cloth.

Regularly check the function of the device and all associated components through visual and functional tests.

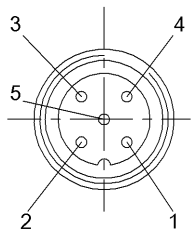
- Shut down the device in the event of malfunctions.
- Secure the system against unauthorized use.
- Check fastening and tighten if necessary.

The product is maintenance-free.

For more information about MTTF and B10d see MTTF / B10d Certificate

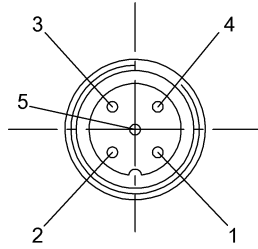
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



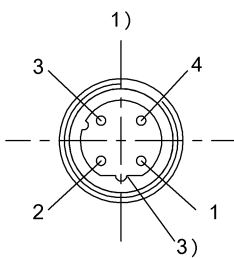
- 1) 2)
IO-Link/ Service
 1 — VP (+ 24V DC)
 2 — USB-
 3 — 0V
 4 — Q/C (IO/Link)
 5 — USB+

- 1) View towards connector
 2) Female 5-pin/ Function



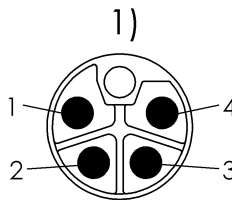
- 1) 2)
H1...H4
 1 — VP (+24V DC)
 2 — A (RS485)
 3 — 0V
 4 — B (RS485)
 5 — N.C.

- 1) View towards connector
 2) Female 5-pin/ Function



- 1)
PROFINET Port 1/2
 2)
 1 — +TX
 2 — +RX
 3 — -TX
 4 — -RX

- 1) View towards connector
 2) Female 4-pin/ Function
 3) Coding D



- 2)
Power
 1 — +24V DC
 2 — n.c.
 3 — 0V, Us
 4 — n.c.