

### Display/Operation

Actuator supply UA, indicator	Green LED
Sensor supply US indicator	Green LED
Switching function display	LED yellow

### Electrical connection

Connection (COM 1)	Bus in: M12x1-Male, 5-pin, B-coded
Connection (COM 2)	Bus out: M12x1-Female, 5-pin, B-coded
Connection (supply voltage IN)	7/8"-Male, 5-pin
Connection ports	4x M12x1-Female, 5-pin, A-coded
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

### Electrical data

Address range	0 - 99
Configurable inputs/outputs	yes
Current sum UA, actuator	9.0 A
Current sum US, sensor	9.0 A
Operating voltage Ub	18...30.2 VDC
Output current max.	2 A
Rated operating voltage Ue DC	24 V
Transfer rate	9.6...12 Mbit/s

### Environmental conditions

Ambient temperature	-5...70 °C
EN 60068-2-6, Vibration	5...61 Hz, constant amplitude 1 mm 61...500 Hz, constant acceleration 15 g
IP rating	IP67 when threaded in
Storage temperature	-25...70 °C

### Functional safety

MTTF (40 °C)	69 a
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## General data

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<b>Approval/Conformity</b>	CE CSA cULus WEEE
<b>Scope of delivery</b>	Part label (20x) Port cover M12 (4x) Grounding strap Lock washer Short guide M4x6 screw
<b>Style</b>	single-row

## Material

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<b>Gasket, material</b>	FKM 75
<b>Housing material</b>	Zinc, Die casting
<b>Housing shield</b>	yes
<b>Surface protection</b>	Cu 15 µm Ni 15 µm

## Remarks

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See short guide

For further information about the 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.

## Mechanical data

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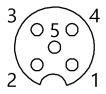
<b>Dimension</b>	37 x 32.4 x 224 mm
<b>Mounting</b>	2-hole screw mount
<b>Mounting ground strap</b>	M4

## Output/Interface

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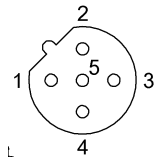
<b>Auxiliary interfaces</b>	4x IO-Link
<b>Digital inputs</b>	8x PNP, Type 2
<b>Digital outputs</b>	8x PNP
<b>IO-Link version</b>	1
<b>Interface</b>	Profibus DP EN 50170
<b>Port-class</b>	Type A

## Connector Drawings

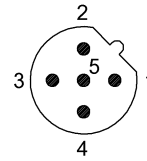


**IO-Link**

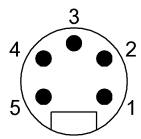
- PIN 1: +24V
- PIN 2: In-/output/Diagnostics
- PIN 3: 0V
- PIN 4: IO-Link/In-/output
- PIN 5: n.c.



- PIN 1: Supply voltage +
- PIN 2: A-conductor
- PIN 3: DGND
- PIN 4: B-conductor
- PIN 5: Shield



- PIN 1: Supply voltage +
- PIN 2: A-conductor
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**Power IN**

- PIN 1: 0V
- PIN 2: 0V
- PIN 3: Function ground
- PIN 4: Sensor and bus supply.
- PIN 5: Actuator supply