

**Basic features**

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

**Display/Operation**

<b>IO-Link communication indicator</b>	Green LED
<b>Module supply indicator</b>	Green LED
<b>Switching function display</b>	LED yellow

**Electrical connection**

<b>Connection (COM 1)</b>	M12x1-Male, 4-pin, A-coded
<b>Connection slots</b>	8x M12x1-Female, 5-pin, A-coded
<b>Contact, surface protection</b>	nickel plated 2 µm/gold plated 0.4 µm

**Electrical data**

<b>Burst</b>	4A
<b>Configurable inputs/outputs</b>	no
<b>Current consumption without load, max.</b>	80 mA
<b>ESD</b>	3A
<b>IO-Link function</b>	Device
<b>IO-Link ports, number</b>	1
<b>Operating voltage U<sub>b</sub></b>	18...30.2 VDC
<b>Rated operating voltage U<sub>e</sub> DC</b>	24 V

**Environmental conditions**

<b>Ambient temperature</b>	-5...70 °C
<b>Ambient temperature UL max.</b>	45 °C
<b>Protection degree</b>	IP67 when threaded in
<b>Storage temperature</b>	-25...70 °C

**Functional safety**

<b>MTTF (40 °C)</b>	31 a
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**Material**

<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

**Mechanical data**

<b>Dimension</b>	68 x 31.8 x 181.5 mm
<b>Mounting</b>	2-hole screw mount
<b>Mounting ground strap</b>	M4 internal thread

**Output/Interface**

<b>Analog inputs</b>	8x Analog, voltage/analog, current/analog, temperature (0...10 V/-10...10 V/0...5 V/-5...5 V/5...10 V/4...20 mA/0...20 mA/Pt100/Pt1000/Thermocouple Type J/Thermocouple Type K)
<b>Cycle time min.</b>	55 ms
<b>IO-Link version</b>	1.1
<b>Interface</b>	IO-Link 1.1
<b>Process data IN</b>	22 bytes
<b>Process data OUT</b>	1 bytes
<b>Process data cycle min.</b>	55 ms
<b>Transfer rate</b>	COM2 (38.4 kBaud)

**Range/Distance**

<b>Resolution</b>	≤ 16 Bit adjustable
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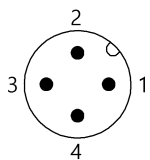
**Remarks**

See short guide

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

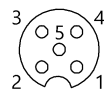
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

**Connector Drawings**



IO-Link

- PIN 1: +24V
- PIN 2: n.c.
- PIN 3: GND
- PIN 4: C/Q, IO-Link DC-Channel



Analog input port

- PIN 1: +24V, 150mA
- PIN 2: Input 2
- PIN 3: GND
- PIN 4: Input 1
- PIN 5: n.c.