

### Basic features

<b>Approval/Conformity</b>	CE UKCA cULus WEEE
<b>Scope of delivery</b>	Module Part label (21x) Port cover M8 (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>Sensor supply US 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>	16x M8x1-Female, 3-pin
<b>Contact, surface protection</b>	nickel plated 2 µm/gold plated 0.4 µm

### Electrical data

<b>Configurable inputs/outputs</b>	no
<b>Current consumption without load, max.</b>	90 mA
<b>Current sum US, sensor</b>	4 A
<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>EN 60068-2-6, Vibration</b>	5...61 Hz, constant amplitude 1 mm 61...500 Hz, constant acceleration 15 g
<b>IP rating</b>	IP67, when threaded in
<b>Storage temperature</b>	-25...70 °C

### Functional safety

<b>MTTF (40 °C)</b>	75.9 a
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**Interface**

Cycle time min.	3.5 ms
Digital inputs	16x PNP, Type 3
Extension port	yes
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	2 bytes
Process data cycle min.	3.5 ms
Transfer rate	COM2 (38.4 kBaud)

**Material**

Gasket, material	FKM 75
Housing material	Zinc, Die casting, nickel-plated
Housing material, surface protection	nickel-plated
Housing shield	yes
Surface protection	Cu 15 µm Ni 15 µm

**Mechanical data**

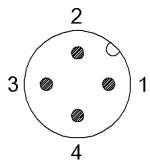
Dimension	30 x 32.8 x 220 mm
Mounting ground strap	M4 internal thread
Mounting part	2-hole screw mount

**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.

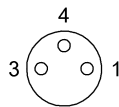
**Connector Drawings****IO-Link**

PIN 1: +24V

PIN 2: not used

PIN 3: GND, reference potential

PIN 4: IO-Link

**Input Ports**

PIN 1: +24V, 0.2A

PIN 3: 0V

PIN 4: Input