

## 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>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>	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>	90 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

Ambient temperature	-5...70 °C
Ambient temperature UL max.	45 °C
EN 60068-2-6, Vibration	5...61 Hz, constant amplitude 1 mm 61...500 Hz, constant acceleration 15 g
Protection degree	IP67 when threaded in
Storage temperature	-25...70 °C

## Functional safety

MTTF (40 °C)	89 a
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## Material

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

## Mechanical data

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

## Output/Interface

Cycle time min.	3.0 ms
Digital inputs	16x PNP, Type 2
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	2 bytes
Process data cycle min.	3.0 ms
Transfer rate	COM2 (38.4 kBaud)

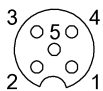
## Remarks

See short guide

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

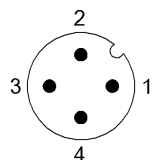
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Connector Drawings



### Input Ports

PIN 1: +24V, 100mA  
 PIN 2: Input 2  
 PIN 3: GND  
 PIN 4:  
 Input 1  
 PIN 5: Function ground



### IO-Link

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