

**Basic features**

<b>Approval/Conformity</b>	CE UKCA 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>	Two-row

**Display/Operation**

<b>Actuator supply UA, indicator</b>	Green LED
<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>Configurable inputs/outputs</b>	yes
<b>Current consumption without load, max.</b>	50 mA
<b>Current sum UA, actuator</b>	4 A
<b>Current sum US, sensor</b>	4 A
<b>IO-Link function</b>	Device
<b>IO-Link ports, number</b>	1
<b>Operating voltage Ub</b>	18...30.2 VDC
<b>Rated operating voltage Ue DC</b>	24 V
<b>Switching current</b>	16x 200 mA

**Environmental conditions**

<b>Ambient temperature</b>	-5...55 °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>	38.7 a
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**IO-Link**

<b>IO-Link Profil IDs</b>	N/A
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**Interface**

<b>Cycle time min.</b>	6.2 ms
<b>Digital inputs</b>	16x PNP, Type 3
<b>Digital outputs</b>	16x PNP
<b>Extension port</b>	yes
<b>IO-Link version</b>	1.1
<b>Interface</b>	IO-Link 1.1
<b>Process data IN</b>	8 bytes
<b>Process data OUT</b>	2 bytes
<b>Process data cycle min.</b>	6.2 ms
<b>Single-channel monitoring</b>	yes
<b>Transfer rate</b>	COM2 (38.4 kBaud)

**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 ground strap</b>	M4 internal thread
<b>Mounting part</b>	2-hole screw mount

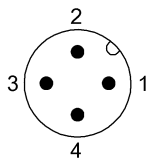
**Remarks**

See short guide

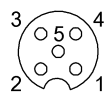
For more information about MTTF and B10d see MTTF / B10d Certificate

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: +24V  
 PIN 3: GND  
 PIN 4: C/Q, IO-Link DC-Channel



**I/O ports**  
 PIN 1: +24V  
 PIN 2: Input/Output 2  
 PIN 3: GND  
 PIN 4: Input/Output 1  
 PIN 5: Function ground