

## Basic features

<b>Approval/Conformity</b>	CLPA CE cULus WEEE EAC
<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>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 (COM 2)</b>	M12x1-Female, 4-pin, A-coded
<b>Connection (supply voltage IN)</b>	7/8"-Male, 5-pin
<b>Connection (supply voltage OUT)</b>	7/8"-Female, 5-pin
<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>Address range</b>	1 - 64
<b>Configurable inputs/outputs</b>	yes
<b>Current sum UA, actuator</b>	9.0 A
<b>Current sum US, sensor</b>	9.0 A
<b>Occupied stations</b>	4
<b>Operating voltage Ub</b>	18...30.2 VDC
<b>Output current max.</b>	2 A
<b>Rated operating voltage Ue DC</b>	24 V
<b>Transfer rate</b>	156/10 Mbit/s

## Environmental conditions

<b>Ambient temperature</b>	-5...70 °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>	51 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 37.9 x 224 mm
<b>Mounting ground strap</b>	M4
<b>Mounting part</b>	2-hole screw mount

## Output/Interface

<b>Auxiliary interfaces</b>	4x IO-Link
<b>Digital inputs</b>	16x PNP, Type 2
<b>Digital outputs</b>	16x PNP
<b>IO-Link version</b>	1.1
<b>Interface</b>	CC-Link V1.1
<b>Port-class</b>	Type A

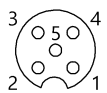
## Remarks

See short guide

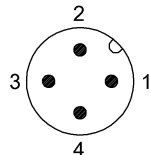
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

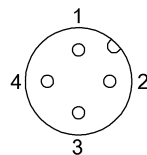
## Connector Drawings



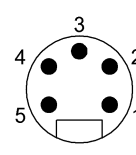
**IO-Link**  
 PIN 1: +24V  
 PIN 2: In-/output/Diagnostics  
 PIN 3: 0V  
 PIN 4: IO-Link/In-/Output  
 PIN 5: n.c.



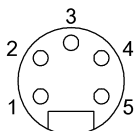
**Bus in**  
 PIN 1: SLD  
 PIN 2: DB  
 PIN 3: DG  
 PIN 4: DA



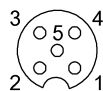
**Bus out**  
 PIN 1: SLD  
 PIN 2: DB  
 PIN 3: DG  
 PIN 4: DA



**Power IN**  
 PIN 1: GND  
 PIN 2: GND  
 PIN 3: Function ground  
 PIN 4: Sensor and bus supply.  
 PIN 5: Actuator supply



**Power Out**  
 PIN 1: GND  
 PIN 2: GND  
 PIN 3: Function ground  
 PIN 4: Sensor and bus supply.  
 PIN 5: Actuator supply



**I/O ports**  
 PIN 1: +24V, 0.2A  
 PIN 2: In-/output 1.6A  
 PIN 3: GND  
 PIN 4: In-/output 1.6A  
 PIN 5: Function ground