

**Basic features**

Approval/Conformity	cULus CE UKCA ODVA WEEE
Scope of delivery	Part label (20x) Port cover M12 (4x) Grounding strap Lock washer Short guide M4x6 screw
Style	Two-row
Supported web browsers	Google Chrome Mozilla Firefox

**Display/Operation**

Actuator supply UA, indicator	Green LED
Sensor supply US indicator	Green LED
Switching function display	LED yellow

**Electrical connection**

Connection (COM 1)	M12x1-Female, 4-pin, D-coded
Connection (COM 2)	M12x1-Female, 4-pin, D-coded
Connection (supply voltage IN)	7/8"-Male, 4-pin
Connection (supply voltage OUT)	7/8"-Female, 4-pin
Connection slots	8x M12x1-Female, 5-pin, A-coded
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

**Electrical data**

Address range	IPV4
Configurable inputs/outputs	yes
Current sum UA, actuator	9.0 A
Current sum US, sensor	9.0 A
Input current max. at 24 V	130 mA
Operating voltage Ub	18...30.2 VDC
Output current max.	2 A
Rated operating voltage Ue DC	24 V
Transfer rate	10/100 Mbit/s

## Environmental conditions

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

## Functional safety

MTTF (40 °C)	32 a
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## Interface

Digital inputs	16x PNP, Type 2
Digital outputs	16x PNP
Interface	Ethernet/IP
Quick Connect	Class A

## 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 37.9 x 224 mm
Mounting ground strap	M4
Mounting part	2-hole screw mount

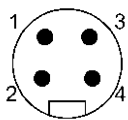
## Remarks

See short guide

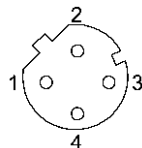
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

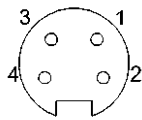
## Connector Drawings



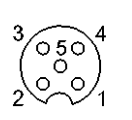
Power IN  
 PIN 1: +24V  
 PIN 2: +24V  
 PIN 3: 0V  
 PIN 4: 0V



Ethernet IP  
 PIN 1: Tx+  
 PIN 2: Rx+  
 PIN 3: Tx-  
 PIN 4: Rx-



Power OUT  
 PIN 1: +24V  
 PIN 2: +24V  
 PIN 3: 0V  
 PIN 4: 0V



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