

Display/Operation

Actuator supply UA, indicator	Green LED
IO-Link communication 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, 5-pin
Connection (supply voltage OUT)	7/8"-Female, 5-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
IO-Link function	Master
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
EN 60068-2-6, Vibration	5...61 Hz, constant amplitude 1 mm 61...500 Hz, constant acceleration 15 g
IP rating	IP67 when threaded in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	49 a
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General data

Approval/Conformity	CE
	cULus
	IO-Link
	WEEE
Scope of delivery	Part label (20x)
	Blind plugs M12 (4x)
	Grounding strap
	Lock washer
	Short guide
Style	M4x6 screw
	Two-row

Material

Gasket, material	FKM 75
Housing material	Zinc, die-cast
Housing shield	yes
Surface protection	Cu 15 µm
	Ni 15 µm

Mechanical data

Dimension	68 x 37.9 x 224 mm
Mounting	2-hole screw mount
Mounting ground strap	M4

Output/Interface

Auxiliary interfaces	8x IO-Link
Conformity class	B (CC-B)
Digital inputs	16x PNP, Type 3
Digital outputs	16x PNP
Fast Start-Up (FSU)	yes
IO-Link version	1.1
Interface	Profinet I/O
Netload class	III
Port-class	Type A

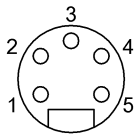
Remarks

See short guide

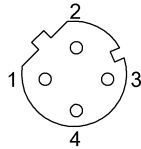
For further information about the MTTF and B10d see MTTF / B10d certificate

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.

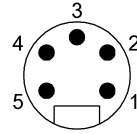
Connector Drawings



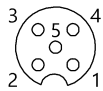
PIN 1: 0V
 PIN 2: 0V
 PIN 3: Function ground
 PIN 4: Sensor and bus supply.
 PIN 5: Actuator supply
 Power Out



PIN 1: TD+
 PIN 2: RD+
 PIN 3: TD-
 PIN 4: RD-
 Profinet Port



PIN 1: 0V
 PIN 2: 0V
 PIN 3: Function ground
 PIN 4: Sensor and bus supply.
 PIN 5: Actuator supply
 Power IN



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