

Basic features

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

Display/Operation

Actuator supply UA, indicator	Green LED
IO-Link communication indicator	Green LED
Module supply indicator	Green LED
Sensor supply US indicator	Green LED
Switching function display	LED yellow

Electrical connection

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

Electrical data

Burst	4A
Configurable inputs/outputs	yes
Current consumption without load, max.	50 mA
ESD	2A
IO-Link function	Device
IO-Link ports, number	1
Operating voltage U_b	18...30.2 VDC
Output current max.	500 mA
Rated operating voltage U_e DC	24 V
Switching current	16x 200 mA

Environmental conditions

Ambient temperature	-5...55 °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)	38.7 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.	6.2 ms
Digital inputs	16x PNP, Type 3
Digital outputs	16x PNP
Extension port	yes
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	8 bytes
Process data OUT	2 bytes
Process data cycle min.	6.2 ms
Single-channel monitoring	yes
Transfer rate	COM2 (38.4 kBaud)

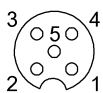
Remarks

See short guide

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

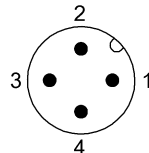
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



I/O ports

- PIN 1: +24V
- PIN 2: Input/Output 2
- PIN 3: GND
- PIN 4: Input/Output 1
- PIN 5: Function ground



IO-Link

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