

Basic features

Approval/Conformity	cULus CSA CE WEEE EAC
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
Sensor supply US indicator	Green LED
Switching function display	LED yellow

Electrical connection

Connection (COM 1)	Bus in: M12x1-Male, 5-pin, B-coded
Connection (COM 2)	Bus out: M12x1-Female, 5-pin, B-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	0 - 125
Configurable inputs/outputs	yes
Current sum UA, actuator	9.0 A
Current sum US, sensor	9.0 A
Operating voltage Ub	18...30.2 VDC
Output current max.	2 A
Rated operating voltage Ue DC	24 V
Transfer rate	9.6...12 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

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	2-hole screw mount
Mounting ground strap	M4

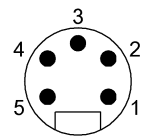
Output/Interface

Digital inputs	16x PNP, Type 2
Digital outputs	16x PNP
Interface	Profibus DP EN 50170

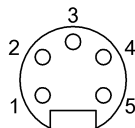
Remarks

See short guide

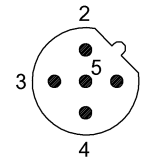
Connector Drawings



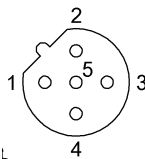
Power IN
 PIN 1: 0V
 PIN 2: 0V
 PIN 3: Function ground
 PIN 4: Sensor and bus supply.
 PIN 5: Actuator supply



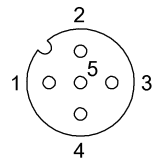
Power Out
 PIN 1: 0V
 PIN 2: 0V
 PIN 3: Function ground
 PIN 4: Sensor and bus supply.
 PIN 5: Actuator supply



PIN 1: Supply voltage +
PIN 2: A-conductor
PIN 3: DGND
PIN 4: B-conductor
PIN 5: Shield



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PIN 2: A-conductor
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I/O ports
PIN 1: +24V, 0.2A
PIN 2: In-/output 2A
PIN 3: 0V
PIN 4: In-/output 2A
PIN 5: Function ground