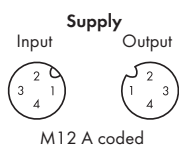
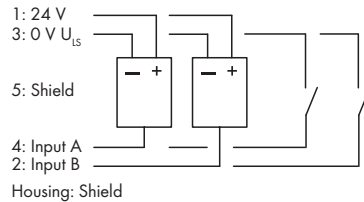
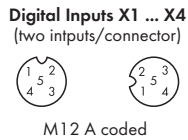
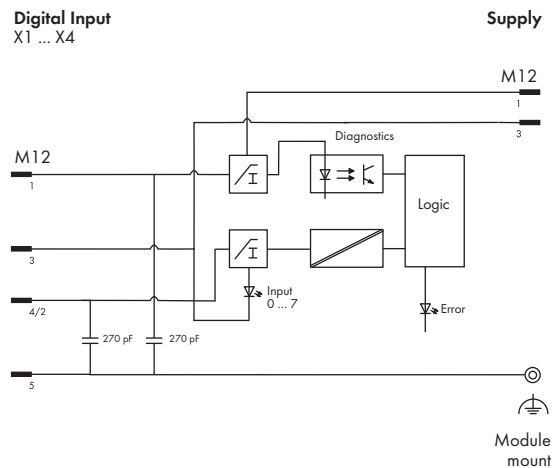


1: RD+/TD+
2: RD-/TD-
3: TD-/RD-
4: TD+/RD+
5: GND
Housing: Shield



1: 24 V U_{IS}
2: 24 V U_A
3: 0 V U_{IS}
4: 0 V U_A

Block diagram of an input



Technical Data

Input characteristic:

Input voltage	Typical input current
0 V	0 mA
5 V	1.6 mA
11 V	2.7 mA
24 V	2.8 mA
30 V	2.8 mA

System bus:

Connection type (3)	M12 connectors, B coded, 5 poles, shielded
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Standards and approvals:

Conformity marking	CE
UL 508	
BVS 15 ATEX E 098 X	II 3G Ex nA IIC T5 Gc, II 3D Ex tc IIIB T90°C Dc
IECEx BVS 15.0083X	Ex nA IIC T5 Gc, Ex tc IIIB T90°C Dc

Technical Data

Isolation:

Channel - Channel	No
U_{IS} , U_A system bus	500 VDC each

Configurable functions:

Input filter (per channel)	10/ 25/ 50/ 100/ 200 μ s/ 1/ 3 ms/ filter off
Inversion (per channel)	On/off
Online simulation (per channel)	Lock/unlock, simulation value: 0/1
Online simulation (per module)	Diagnostics

I/O diagnostics:

I/O diagnostics (per module)	Short circuit/overload of sensor supply Undervoltage (U_{IS} + U_A)
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Process image:

Process data width	1-byte data + status
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LED indicators:

SB: System bus status	LED (green/red/orange)
F: Error status	LED (red)
0 ... 7: Input signal status	LED (yellow)
U_{IS} + U_A : Supply status	LED (green)
Indicators	Non-latching

General Specifications

Dimensions (mm) W x H x L	50 x 35.7 x 117
Weight	270 g