

1) Display and control panel 2) Process connection 3) Housing rotatable 320°



Display/Operation

Switching function display	LED
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Electrical connection

Connection	M12x1-Male, 4-pole, A-coded
Short-circuit protection	yes

Electrical data

Current draw max.	50 mA
Load cycles	100 million
Operating voltage U_b	18...36 VDC
Output current max.	500 mA
Polarity reversal protected	yes
Protection class	III
Switching cycles min.	100 million
Switching frequency	200 Hz

Environmental conditions

Ambient temperature	-25...85 °C
Compensation temperature	-25...85 °C
EN 60068-2-27, Shock	30 g, 11 ms
EN 60068-2-6, Vibration	30 g, 10...2000 Hz
Interference immunity	EN 61000-6-2: 2005
IP rating per IEC 60529	IP67
Media temperature	-25...125 °C
Noise emission	EN 61000-6-4: 2013
Storage temperature	-40...85 °C
Temperature coefficient typ.	≤ ±0.3 % FSO/10K

Functional safety

MTTF (40 °C)	368 a
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General data

Approval/Conformity	CE cULus
Operating panel	2 buttons 320° rotation 4-digit, 7-segment display, red

Material

Gasket, material	FKM
Housing material	PA, PA 6.6
Measuring cell, material	Ceramic Al ₂ O ₃
Process connection material	Stainless steel (1.4301)

Mechanical data

Process connection	G 1/4" (DIN 3852)
Tightening torque max.	5 Nm
Weight	230.00 g

Output/Interface

Switching output	2x PNP
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Range/Distance

Accuracy	±0.5 % FSO BFSL
Burst pressure	750.00 bar
Long-term stability max.	0.3 % FSO/year
Measuring range	0...250 bar

Overload pressure	400 bar
Repeat accuracy R	≤ ±0.2 % FSO
Resolution	≤ 12 Bit
Sampling rate	1 ms

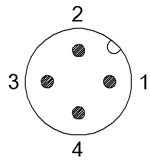
Remarks

vacuum-tight

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Connector view



Wiring Diagram

