

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



### Basic features

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

### Display/Operation

<b>Switching function display</b>	LED
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### Electrical connection

<b>Connection</b>	M12x1-Male, 4-pin, A-coded
<b>Polarity reversal protected</b>	yes
<b>Short-circuit protection</b>	yes

### Electrical data

<b>Current draw max.</b>	50 mA
<b>Load cycles</b>	100 million
<b>Operating voltage Ub</b>	18...36 VDC
<b>Output current max.</b>	500 mA
<b>Protection class</b>	III
<b>Switching cycles min.</b>	100 million
<b>Switching frequency</b>	200 Hz

### Environmental conditions

<b>Ambient temperature</b>	-40...85 °C
<b>Compensation temperature</b>	-25...85 °C
<b>EN 60068-2-27, Shock</b>	30 g, 11 ms
<b>EN 60068-2-6, Vibration</b>	30 g, 10...2000 Hz
<b>Interference immunity</b>	EN 61000-6-2: 2005
<b>Media temperature</b>	-40...125 °C
<b>Noise emission</b>	EN 61326-2-3:2013
<b>Protection degree</b>	IP67
<b>Storage temperature</b>	-40...85 °C
<b>Temperature coefficient typ.</b>	≤ ±0.3 % FSO/10K

### Functional safety

<b>MTTF (40 °C)</b>	368 a
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### Material

<b>Connector housing, material</b>	Stainless steel (1.4307)
<b>Gasket, material</b>	Fluoroelastomer
<b>Housing material</b>	Stainless steel (1.4301) PA 6.6
<b>Measuring cell, material</b>	Ceramic Al <sub>2</sub> O <sub>3</sub>
<b>Process connection material</b>	Stainless steel (1.4301)

### Mechanical data

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

## Output/Interface

<b>Analog output</b>	Analog, current 4...20 mA
<b>Switching output</b>	PNP normally open/normally closed (NO/NC)

## Range/Distance

<b>Accuracy</b>	±0.5 % FSO BFSL
<b>Burst pressure</b>	10.00 bar
<b>Long-term stability max.</b>	0.3 % FSO/year
<b>Measuring range</b>	-1...2 bar
<b>Overload pressure</b>	4 bar
<b>Repeat accuracy</b>	≤ ± 0.2 % FSO
<b>Resolution</b>	≤ 12 bits
<b>Sampling rate</b>	1 ms

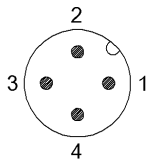
## Remarks

Permissible burden on analog output  $R_{max} = 330 \text{ Ohm}$   
 vacuum-tight

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



## Wiring Diagrams

