

### Basic features

Approval/Conformity	CE cULus WEEE
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### Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Electrical version	2-wire
Polarity reversal protected	yes
Short-circuit protection	yes

### Electrical data

Current draw max.	25 mA
Load cycles	100 million
Operating voltage Ub	8...32 VDC
Protection class	III

### Environmental conditions

Ambient temperature	-40...85 °C
Compensation temperature	-25...85 °C
EN 60068-2-27, Shock	500 g, 1 ms
EN 60068-2-6, Vibration	10 g, 25...2000 Hz
Interference immunity	EN 61000-6-2: 2005
Media temperature	-40...125 °C
Noise emission	EN 61326-2-3: 2006
Protection degree	IP67
Storage temperature	-40...85 °C
Temperature coefficient typ.	$\leq \pm 0.5$ % FSO/10K

### Functional safety

MTTF (40 °C)	1388 a
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### Material

Connector housing, material	Nickel-plated brass
Gasket, material	Fluoroelastomer
Housing material	Stainless steel (1.4301)
Measuring cell, material	Ceramic Al <sub>2</sub> O <sub>3</sub>
Process connection material	Stainless steel (1.4301)

### Mechanical data

Process connection	NPT 1/4"
Tightening torque max.	30 Nm
Weight	120.00 g

### Output/Interface

Analog output	Analog, current 4...20 mA
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### Range/Distance

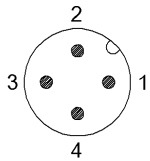
Accuracy	$\pm 0.5$ % FSO BFSL
Burst pressure	35.00 bar
Long-term stability max.	0.3 % FSO/year
Measuring range	-1...10 bar
Overload pressure	20 bar
Resolution	$\leq 14$ bits
Sampling rate	1 ms

## Remarks

vacuum-tight  
Permissible burden on analog output  $R_{max} = 800 \text{ Ohm}$   
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

