



### Basic features

Approval/Conformity	CE UKCA cULus WEEE
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### Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Electrical version	3-wire
Polarity reversal protected	yes
Short-circuit protection	yes

### Electrical data

Current draw max.	20 mA
Load cycles	100 mil.
Operating voltage U <sub>b</sub>	14...30 VDC
Protection class	III

### Environmental conditions

Ambient temperature	-25...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
IP rating	IP67
Interference immunity	EN 61326-2-3: 2013
Media temperature	-40...125 °C
Noise emission	EN 61326-2-3: 2013
Storage temperature	-40...85 °C
Temperature coefficient typ.	≤ ±0.5 % FSO/10K

### Functional safety

MTTF (40 °C)	1388 a
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### Interface

Analog output	Analog, voltage 0...10 V
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### Material

Connector housing, material	Nickel-plated brass
Gasket, material	FKM
Housing material	1.4301 stainless steel
Measuring cell, material	Ceramic Al <sub>2</sub> O <sub>3</sub>
Process connection material	1.4571 stainless steel

### Mechanical data

Process connection	G 1/4" (DIN 3852)
Tightening torque max.	5 Nm
Weight	140 g

### Range/Distance

Accuracy	±0.5 % FSO BFSL
Burst pressure	1570 bar
Long-term stability max.	0.3 % FSO/year
Measuring range	0...600 bar
Overload pressure	1000 bar
Resolution	≤ 14 bits
Response time max.	11 ms
Sampling rate	1 ms

**Remarks**

vacuum-tight  
Permissible burden on analog output  $R_{min} = 10 \text{ k}\Omega$   
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**

