

Basic features

Approval/Conformity	CE cULus WEEE
Principle of operation	Temperature sensor

Electrical connection

Connection	Connector, M12x1-Male, 4-pin
Polarity reversal protected	yes

Electrical data

Operating voltage Ub	10...30 VDC
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Environmental conditions

Ambient temperature	-40...85 °C
Contamination scale	3
EN 60068-2-27, Shock	50 g, 6 ms, 3x each axis XYZ
Noise emission	EN 61326-2-3:2013
Protection degree	IP67, IP69, IP69K
Storage temperature	-40...85 °C

Material

Housing material	Stainless steel (1.4571)
Process connection material	Stainless steel (1.4571)

Mechanical data

Installation length from contact surface	25 mm
Pressure rating max.	270 bar
Probe diameter	6 mm
Process connection	G 1/4" outer
Tightening torque max.	5 Nm
Weight	30 g

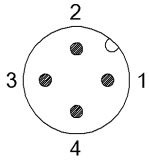
Output/Interface

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

Accuracy analog signal	± 0.2% + temperature sensor error
Measuring element	Pt1000
Measuring range	-30...150 °C
Response time per IEC 60751	T05 2.8 s T09 9 s
Temperature drift max.	0.1 % of span / 10 K
Tolerance of the measuring resistor per IEC 60751	Class A ± (0.15 °C + 0.002 Itl)

Connector Drawings



Wiring Diagrams

