

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 U_b	10...30 VDC
--	-------------

Environmental conditions

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

Interface

Analog output	Analog, current 4...20 mA
----------------------	---------------------------

Material

Housing material	1.4571 stainless steel
Process connection material	1.4571 stainless steel

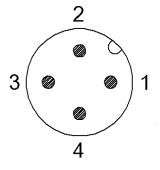
Mechanical data

Installation length from contact surface	50 mm
Pressure rating max.	270 bar
Probe diameter	6 mm
Process connection	NPT 1/4" outer
Tightening torque max.	30 Nm
Weight	55 g

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 t _{tl})

Connector Drawings



Wiring Diagrams

