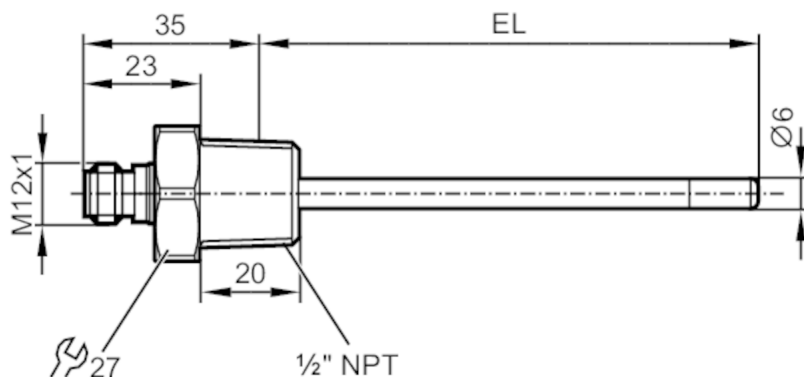




Temperature sensor with process connection

TM-250KFBN12-

/US/



Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	threaded connection 1/2" NPT external thread	
Installation length EL	[mm]	250

Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating	[bar]	160
Pressure rating	[MPa]	16
Minimum installation depth	[mm]	15

Electrical data

Protection class	III
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Measuring/setting range

Probe length L	[mm]	242
Measuring range	-40...150 °C	-40...302 °F

Accuracy / deviations

Accuracy	[K]	± (0,15 K + 0,002 x t)
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Response times

Dynamic response T05 / T09	[s]	1 / 3; (to DIN EN 60751)
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Operating conditions

Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-40...100
Protection	IP 68; IP 69K	

Tests / approvals

Shock resistance	DIN EN 60068-2-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
MTTF	[years]	22831

TM4361



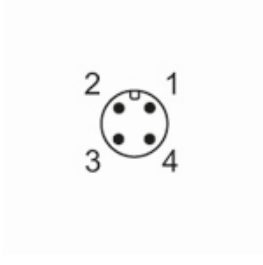
Temperature sensor with process connection

TM-250KFBN12- /US/

Mechanical data		
Weight	[g]	205.5
Housing		cylindrical
Dimensions	[mm]	Ø 30 / L = 285
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection 1/2" NPT external thread
Probe diameter	[mm]	6
Installation length EL	[mm]	250
Remarks		
Remarks		operating voltage "supply class 2" according to cULus The values for accuracy apply to flowing water.
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

