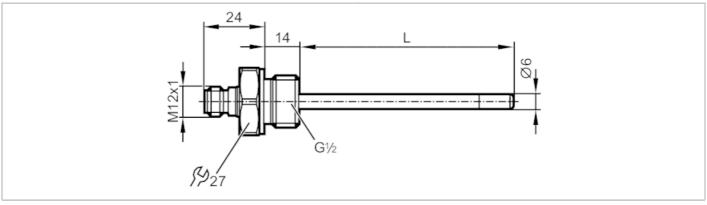
TM4411

Temperature sensor with process connection

TM-050KFBR12-

/US/







Product characteristics			
Measuring range		-40150 °C	-40302 °F
Process connection		th	nreaded connection G 1/2 external thread
Installation length EL	[mm]		50
Application			
Special feature			Gold-plated contacts
Measuring element			1 x Pt 100; (to DIN EN 60751, class A)
Media			liquids and gases
Pressure rating		250 bar	25 MPa
Minimum installation depth	[mm]		15
Electrical data			
Protection class			III
Measuring/setting range			
Probe length L	[mm]		36
Measuring range		-40150 °C	-40302 °F
Accuracy / deviations			
Accuracy	[K]		± (0,15 K + 0,002 x t)
Response times			
Dynamic response T05 / T09	[s]		1 / 3; (to DIN EN 60751)
Operating conditions			
Ambient temperature	[°C]		-2580
Storage temperature	[°C]		-40100
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	10 g (102000 Hz)
MTTF [[years]		22831
Mechanical data			
Weight	[g]		128
Housing			cylindrical
Dimensions	[mm]		Ø 30 / L = 74

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/US/



Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404); FKM
Tightening torque	[Nm]	45
Process connection		threaded connection G 1/2 external thread
Probe diameter	[mm]	6
Installation length EL	[mm]	50

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

