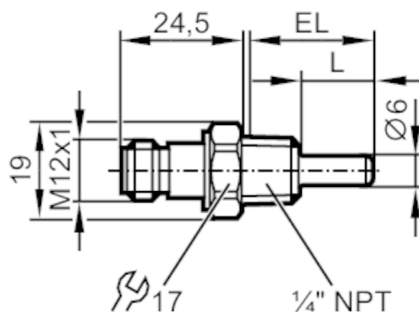




Temperature sensor with process connection

TM-025KCBN14- /US/



Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	threaded connection 1/4" NPT external thread	
Installation length EL	[mm]	25

Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating	[bar]	400
Pressure rating	[MPa]	40
Note on pressure rating	sensor	
	When mounted in adapters the specifications of the adapter data sheet apply.	
Minimum installation depth	[mm]	15

Electrical data

Protection class	III
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Measuring/setting range

Probe length L	[mm]	15
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
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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 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF	[years]	22831
UL approval	UL Approval no.	K004

TM5601



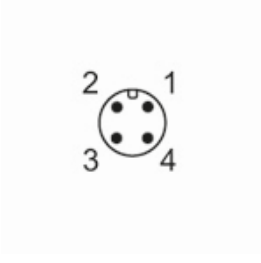
Temperature sensor with process connection

TM-025KCBN14- /US/

Mechanical data		
Weight	[g]	27.2
Housing		cylindrical
Dimensions	[mm]	Ø 19 / L = 52.6
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection 1/4" NPT external thread
Probe diameter	[mm]	6
Installation length EL	[mm]	25
Remarks		
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.

Electrical connection

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



Connection

