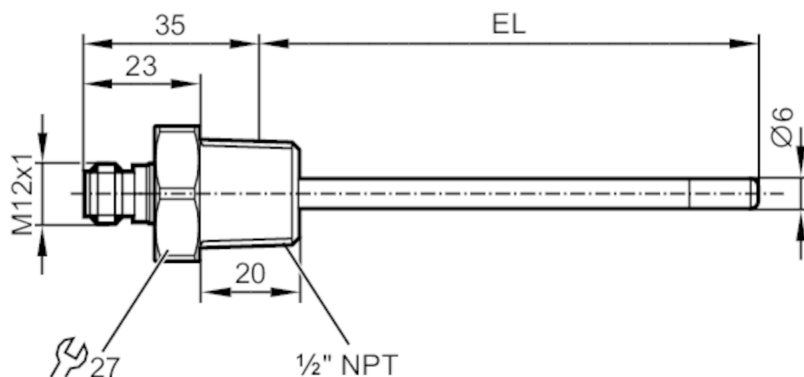


TM5331



Temperature sensor with process connection

TM-100KCBN12- /US/



Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	threaded connection 1/2" NPT external thread	
Installation length EL	[mm]	100

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]	160
Minimum installation depth	[mm]	15

Electrical data

Protection class	III	
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Measuring/setting range

Probe length L	[mm]	92
Measuring range	-40...150 °C	-40...302 °F

Accuracy / deviations

Accuracy	[K]	$\pm (0,15 K + 0,002 x t)$
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Reaction times

Dynamic response T05 / T09	[s]	1 / 3; (according 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 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (10...2000 Hz)
MTTF	[years]	22831
UL approval	UL approval number	K004

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Mechanical data		
Weight	[g]	144.5
Housing		tubular
Dimensions	[mm]	Ø 30 / L = 135
Material		stainless steel (1.4404 / 316L)
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Process connection		threaded connection 1/2" NPT external thread
Probe diameter	[mm]	6
Installation length EL	[mm]	100
Remarks		
Remarks		cULus - Class 2 source required
		The values for accuracy apply to flowing water.
Pack quantity		1 pcs.

Electrical connection	
Connector: 1 x M12; coding: A; Contacts: 4, gold-plated	
	

Connection
