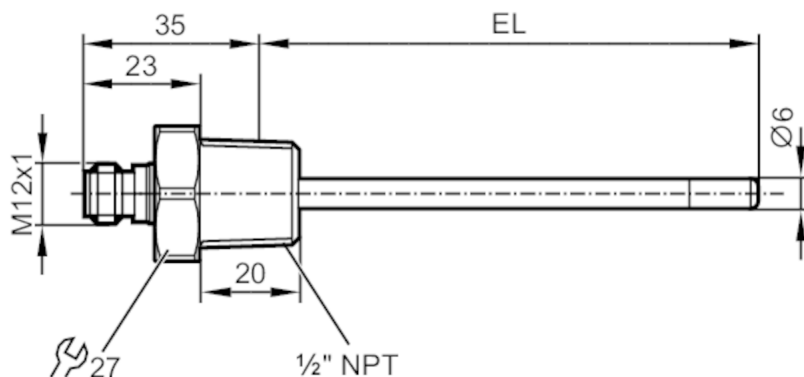


TM5331



Temperature sensor with process connection

TM-100KCBN12- /US/



Application

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]	$\pm (0,15 \text{ K} + 0,002 \times t)$	
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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 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (10...2000 Hz)
MTTF [years]	22831	
UL approval	UL Approval no.	K004

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Mechanical data

Weight	[g]	140.8
Materials		stainless steel (1.4404 / 316L)
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Process connection		threaded connection 1/2" NPT
Probe diameter	[mm]	6
Installation length EL	[mm]	100

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; Contacts: gold-plated



Connection

