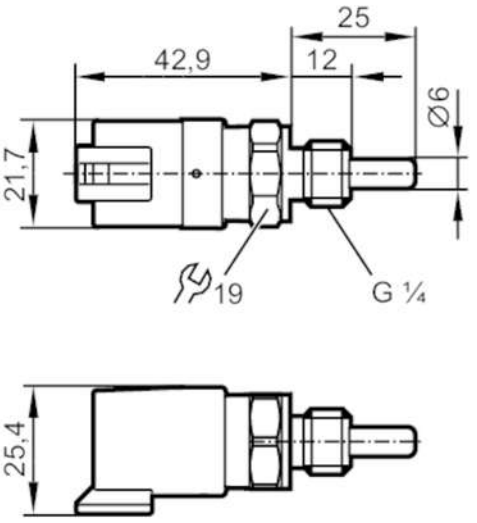
TM6101

Temperature sensor with process connection

TM-025KCBR14- /DE/



Product characteristics			
Measuring range		-40...150 °C	-40...302 °F
Process connection		threaded connection G 1/4 external thread	
Installation length EL	[mm]	25	
Application			
Measuring element		1 x Pt 1000; (to DIN EN 60751, class A)	
Media		liquids and gases	
Pressure rating	[bar]	400	
Electrical data			
Protection class		III	
Measuring/setting range			
Probe length L	[mm]	12	
Measuring range		-40...150 °C	-40...302 °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]	-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.	K017

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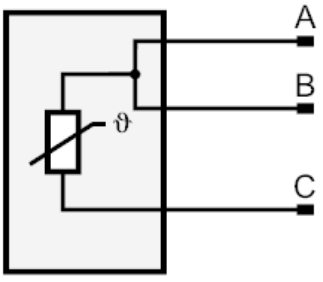
Mechanical data		
Weight	[g]	82
Housing		cylindrical
Dimensions	[mm]	Ø 25.4 / L = 67.9
Materials		stainless steel (316L/1.4404); PPS; FKM
Materials (wetted parts)		stainless steel (316L/1.4404); Gasket: FKM
Process connection		threaded connection G 1/4 external thread
Probe diameter	[mm]	6
Installation length EL	[mm]	25
Accessories		
Items supplied		Gasket
Remarks		
Remarks		operating voltage "supply class 2" according to cULus
		The values for accuracy apply to flowing water.
Pack quantity		1 pcs.
Electrical connection		
Connection		



Connector: 1 x DEUTSCH connector (DT04-3P)