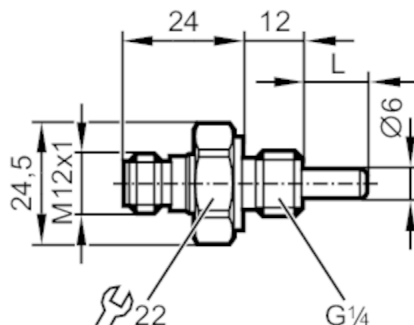




Temperature sensor with process connection

TM-025KCBR14-

/US/



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	
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Measuring/setting range

Probe length L	[mm]	12	
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	20 g (10...2000 Hz)
MTTF	[years]	22831	
UL approval		UL Approval no.	K004

Mechanical data

Weight	[g]	45.8	
Materials		stainless steel (1.4404 / 316L)	
Materials (wetted parts)		stainless steel (1.4404 / 316L); FKM	
Process connection		threaded connection G 1/4	
Probe diameter	[mm]	6	
Installation length EL	[mm]	25	

TM5101



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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

