



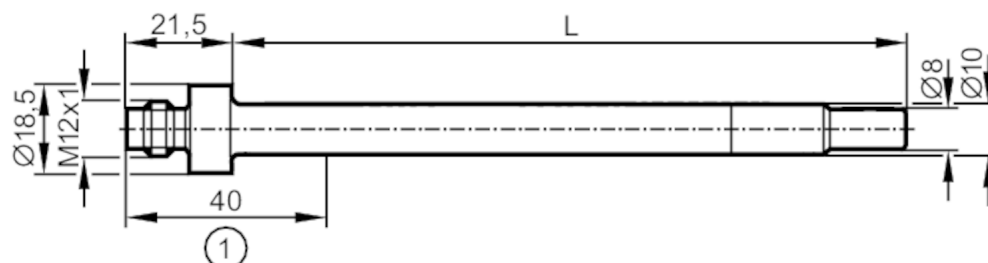
Temperature probe sensor

TT-050KCED10- /US/ /V

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Alternative articles: TT0291

When selecting an alternative article and accessories please note that technical data may differ!



1 plug area
L = probe length corresponds to installation length EL



Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Installation length EL [mm]	110	

Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)	
Application	hygienic systems	
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]	110	
Measuring range	-40...150 °C	-40...302 °F

Accuracy / deviations

Accuracy [K]	$\pm (0,15 K + 0,002 x t)$	
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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	
Note on ambient temperature	plug area	
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)



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Mechanical data

Weight	[g]	42.4
Dimensions	[mm]	Ø 10
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Surface characteristics Ra/Rz of the wetted parts		Ra: < 0.6
Probe diameter	[mm]	10
Installation length EL	[mm]	110

Remarks

Remarks	The values for accuracy apply to flowing water. The 3-A qualification is only valid if adapters with 3-A qualification are used for installation.
Pack quantity	1 pcs.

Electrical connection

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



Connection

