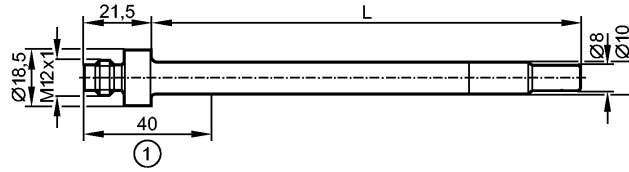


TT1081

TT-100KCED10- /US/ /V

Temperature sensors



1: plug area

L = probe length (corresponds to installation length EL)



Product characteristics

Temperature sensor for connection to evaluation units

Quick disconnect

Installation length EL: 160 mm

Connection to control monitor TP / TR

Measuring range: -40...150 °C / -40...302 °F

Measuring element: 1 x Pt 100, to DIN EN 60751, class A

Application

Application	liquids and gases
Pressure rating [bar]	160
Minimum installation depth [mm]	15

Electrical data

Connection to control monitor	TP / TR
Protection class	III

Measuring / setting range

Measuring range	-40...150 °C	-40...302 °F
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Accuracy / deviations

Accuracy	± (0.15 K + 0.002 x t)
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Reaction times

Dynamic response T05 / T09 [s]	1 / 3 *)
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Environment

Ambient temperature [°C]	-25...80, for the plug area
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	

Mechanical data

Materials (wetted parts)	stainless steel 316L / 1.4404	
Probe diameter [mm]	10	
Probe length L [mm]	160	
Installation length EL [mm]	160	
Housing materials	stainless steel 316L / 1.4404	
Weight [kg]	0.053	

Electrical connection

Connection	M12 connector; gold-plated contacts
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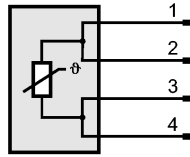
Wiring



TT1081

TT-100KCED10- /US/ /V

Temperature sensors



Remarks

Remarks

*) according to DIN EN 60751
The values for accuracy apply to flowing water.
cULus - Class 2 source required

Pack quantity

[piece]

1