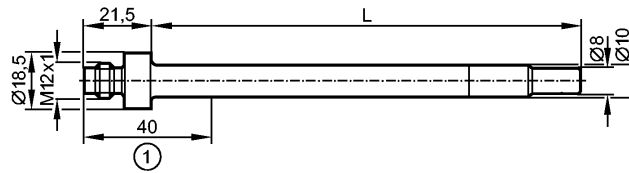


TT1050

TT-100KBBBD10-...../US/

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
gold-plated contacts
Connection to control monitor TP / TR
Measuring range: -40...150 °C / -40...302 °F
Measuring element: 1 x Pt 1000, 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	$\pm (0.15 K + 0.002 \times t)$
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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]	0.054	

Electrical connection

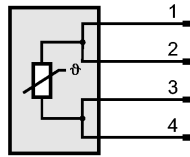
Connection	M12 connector; gold-plated contacts
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TT1050

TT-100KBBD10-...../US/

Temperature sensors

Wiring



Remarks

Remarks

*) according to DIN EN 60751
The values for accuracy apply to flowing water.

Pack quantity

[piece]

1