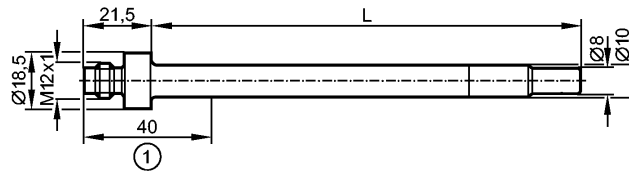


TT1050

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

Connector

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

Accuracy / deviations

Accuracy ± (0.15 K + 0.002 x |t|)

Reaction times

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

Environment

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

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

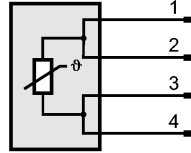
TT1050

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

Temperature sensors

Connection	M12 connector; Gold-plated contacts
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Wiring



Remarks

Remarks	*) according to DIN EN 60751 The values for accuracy apply to flowing water.
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Pack quantity	[piece]	1
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