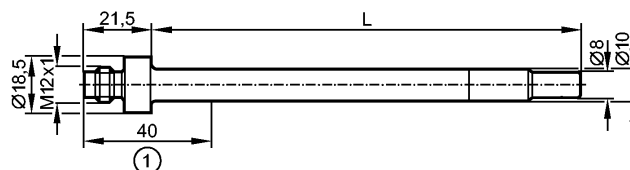


TT5081

TT-500KBBD10-...../US/ /V

Temperature sensors


1: plug area

Made in Germany


Product characteristics

Temperature sensor for connection to evaluation units

Connector

Installation length: 560 mm

Gold-plated contacts

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

Minimum installation depth [mm] 15

Electrical data

Connection to control monitor TP / TR

Protection class III

Measuring / setting range

Measuring range [°C/°F] -40...150 / -40...302

Accuracy / deviations

Accuracy $\pm (0.15 \text{ K} + 0.002 \times |t|)$
Reaction times

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

Environment

Pressure rating [bar] 160

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: 5 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] 560

Installation length [mm] 560

Housing materials stainless steel 316L / 1.4404

Weight [kg] 0.151

Electrical connection

Connection M12 connector; Gold-plated contacts

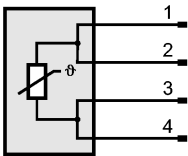
Wiring



TT5081

TT-500KBBD10-...../US/ /V

Temperature sensors



Remarks

Remarks	*) according to DIN EN 60751 The values for accuracy apply to flowing water. cULus - Class 2 source required
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Pack quantity	[piece]	1
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