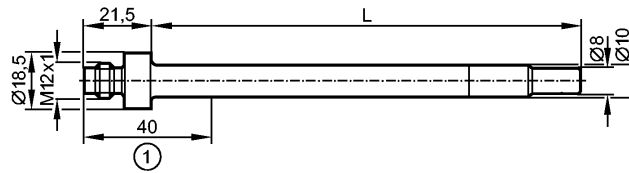


TT1081

TT-100KCED10- /US/ /V

Temperature sensors



1: plug area

Made in Germany



Product characteristics

Temperature sensor for connection to evaluation units

Connector

Installation length: 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

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 ± (0.15 K + 0.002 x |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: 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 [mm] 160

Housing materials stainless steel 316L / 1.4404

Weight [kg] 0.053

Electrical connection

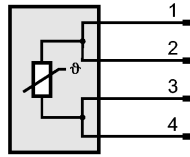
Connection M12 connector; Gold-plated contacts

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