

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

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

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

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

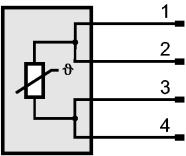
Electrical connection

Connection

M12 connector; Gold-plated contacts

Wiring

TT1081 - Temperature sensor for connection to evaluation units - eclass: 27200214 / 27-20-02-14



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