

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: 260 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

$\pm (0.15 K + 0.002 \times |t|)$

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

5 g (10...2000 Hz)

MTTF

[Years]

22831

Mechanical data

Materials (wetted parts)

stainless steel 316L / 1.4404

Probe diameter [mm]

6

Probe length L [mm]

260

Installation length EL [mm]

260

Housing materials

stainless steel 316L / 1.4404

Weight

[kg]

0.053

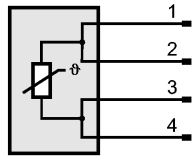
Electrical connection

Connection

M12 connector; gold-plated contacts

Wiring

TT2250 - 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.

Pack quantity

[piece]

1