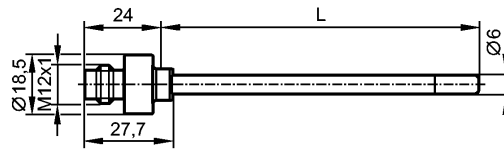


**TT2281**

TT-250KFBD06- /US/

Temperature sensors



L = probe length (corresponds to installation length EL)



**Product characteristics**

Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V

Quick disconnect

Installation length EL: 250 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

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

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] 250

Installation length EL [mm] 250

Housing materials stainless steel 316L / 1.4404

Weight [kg] 0.052

**Electrical connection**

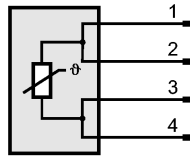
Connection M12 connector; gold-plated contacts

## TT2281

TT-250KFBD06- /US/

Temperature sensors

### Wiring



### Remarks

Remarks

cULus - Class 2 source required  
\*) according to DIN EN 60751  
The values for accuracy apply to flowing water.

Pack quantity

[piece]

1