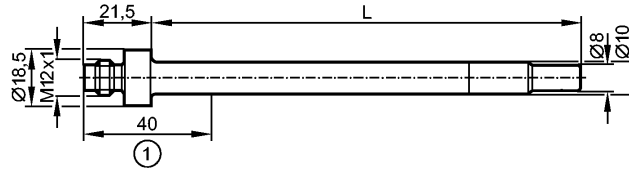


**TT5081**

TT-500KBBBD10-...../US/ IV

Temperature sensors



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: 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

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 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 EL [mm] 560

Housing materials stainless steel 316L / 1.4404

Weight [kg] 0.151

**Electrical connection**

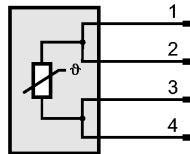
Connection M12 connector; gold-plated contacts

## TT5081

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

Temperature sensors

### Wiring



### Remarks

Remarks

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

Pack quantity

[piece]

1