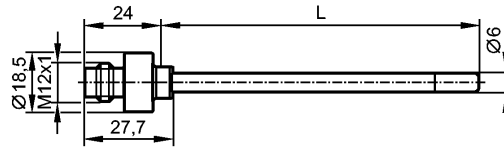


**TT2281**

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
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**Accuracy / deviations**

Accuracy	± (0.15 K + 0.002 x  t )
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**Reaction times**

Dynamic response T05 / T09 [s]	1 / 3 *)
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**Environment**

Ambient temperature [°C]	-25...80
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
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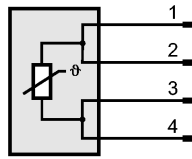
**Wiring**



## TT2281

TT-250KFBD06- /US/

Temperature sensors



### Remarks

Remarks

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

Pack quantity

[piece]

1