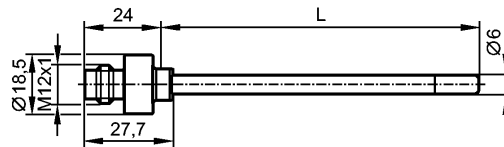


**TT0281**

TT-100KFBD06- /US/

Temperature sensors



L = probe length (corresponds to installation length EL)

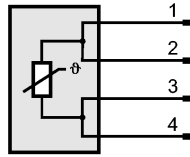


Product characteristics		
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V		
Quick disconnect		
Installation length EL: 100 mm		
gold-plated contacts		
Connection to control monitor TP / TR		
Measuring range: -40...150 °C / -40...302 °F		
Measuring element: 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	
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]	6	
Probe length L [mm]	100	
Installation length EL [mm]	100	
Housing materials	stainless steel 316L / 1.4404	
Weight [kg]	0.032	
Electrical connection		
Connection	M12 connector; gold-plated contacts	
Wiring		

## TT0281

TT-100KFBD06- /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