

TT2281



Temperature probe sensor

TT-250KFBD06-

/US/



L = probe length corresponds to installation length EL



Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	Ø 6 mm	
Installation length EL [mm]	250	

Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating [bar]	160	
Minimum installation depth [mm]	15	

Electrical data

Protection class	III
------------------	-----

Measuring/setting range

Probe length L [mm]	250
Measuring range	-40...150 °C -40...302 °F

Accuracy / deviations

Accuracy [K]	$\pm (0,15 \text{ K} + 0,002 \times t)$
--------------	---

Response times

Dynamic response T05 / T09 [s]	1 / 3; (to DIN EN 60751)
--------------------------------	--------------------------

Operating conditions

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

Weight [g]	52.1
Dimensions [mm]	Ø 6
Materials	stainless steel (316L/1.4404)
Materials (wetted parts)	stainless steel (316L/1.4404)

TT2281



Temperature probe sensor

TT-250KFBD06- /US/

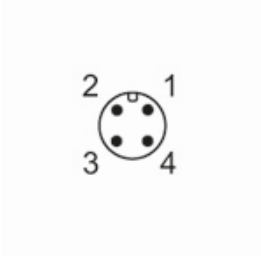
Process connection		Ø 6 mm
Probe diameter	[mm]	6
Installation length EL	[mm]	250

Remarks

Remarks	operating voltage "supply class 2" according to cULus The values for accuracy apply to flowing water.
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

