

TT6281



Temperature probe sensor

TT-300KFBD06- /US/



L = probe length corresponds to installation length EL



Application

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]	300	
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	
UL approval	UL Approval no.	K004

Mechanical data

Weight [g]	59.4
Dimensions [mm]	Ø 6
Materials	stainless steel (1.4404 / 316L)
Materials (wetted parts)	stainless steel (1.4404 / 316L)
Process connection	diameter Ø 6 mm
Probe diameter [mm]	6
Installation length EL [mm]	300

TT6281



Temperature probe sensor

TT-300KFBD06- /US/

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; Contacts: gold-plated



Connection

