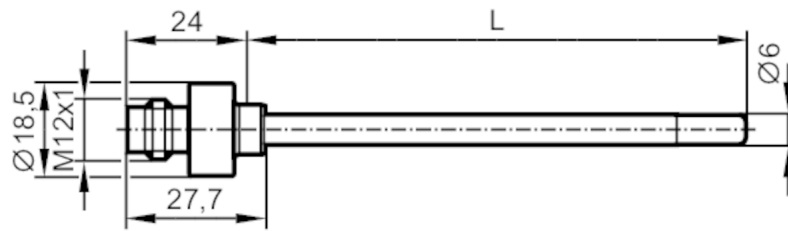


# TT1291



## Temperature probe sensor

TT-150KFED06- /US/



L = probe length corresponds to installation length EL

UL LISTED EC 1935/2004 EHEDG Certified FDA

### Application

Measuring element	1 x Pt 100; (to DIN EN 60751, class A)
Application	hygienic systems
Media	liquids and gases
Pressure rating [bar]	160
Minimum installation depth [mm]	15

### Electrical data

Protection class	III
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### Measuring/setting range

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

### Accuracy / deviations

Accuracy [K]	$\pm (0,15 K + 0,002 \times  t )$
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### Response times

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

Ambient temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 68; IP 69K

### Tests / approvals

Shock resistance	DIN EN 60068-2-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (10...2000 Hz)
MTTF [years]	22831	

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Mechanical data	
Weight [g]	38.4
Dimensions [mm]	Ø 6
Materials	stainless steel (1.4404 / 316L)
Materials (wetted parts)	stainless steel (1.4404 / 316L) electropolished
Process connection	diameter Ø 6 mm
Surface characteristics Ra/Rz of the wetted parts	Ra: < 0.8
Probe diameter [mm]	6
Installation length EL [mm]	150

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

