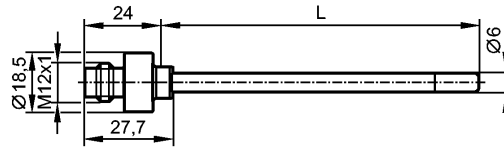


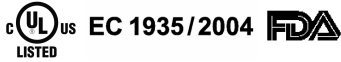
TT0291

TT-100KFED06- /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 (especially for application in hygienic systems)	
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; surface characteristics: Ra < 0.8 / electropolished	
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	
------------	-------------------------------------	--

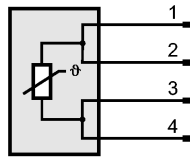
Wiring



TT0291

TT-100KFED06- /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