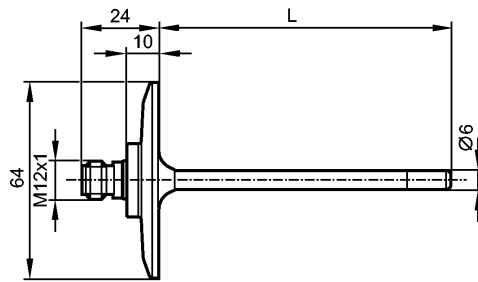


TM4931

TM-100KFEC02- /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	
Process connection: Clamp 2"	
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]	25
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
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
Mechanical data	
Process connection	Clamp 2"
Materials (wetted parts)	stainless steel 316L / 1.4404; surface characteristics: Ra < 0.8 / electropolished
Probe diameter [mm]	6
Probe length L [mm]	100



TM4931

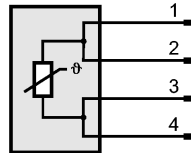
TM-100KFEC02- /US/

Temperature sensors

Installation length EL	[mm]	100
Housing materials		stainless steel 316L / 1.4404
Weight	[kg]	0.236

Electrical connection		
Connection		M12 connector; gold-plated contacts

Wiring



Remarks

Remarks	<p>cULus - Class 2 source required *) according to DIN EN 60751 The values for accuracy apply to flowing water.</p>
---------	---

Pack quantity	[piece]	1
---------------	---------	---