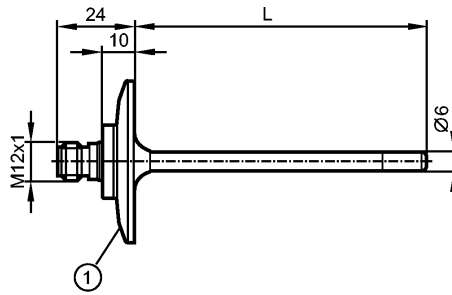


TM4811

TM-050KFEC01- /US/

Temperature sensors



1: 1.5" clamp (ISO 2852)

L = probe length (corresponds to installation length EL)



Made in USA

Product characteristics

Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V	
Connector	
Process connection: Clamp 1-1.5" ISO 2852	
Installation length EL: 50 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)
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

Pressure rating [bar]	25
Ambient temperature [°C]	-25...80
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 1-1.5" ISO 2852
Materials (wetted parts)	stainless steel 316L / 1.4404; surface characteristics: Ra < 0.8 / electropolished



TM4811

TM-050KFEC01- /US/

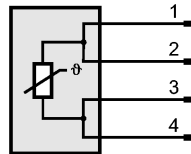
Temperature sensors

Probe diameter	[mm]	6
Probe length L	[mm]	50
Installation length EL	[mm]	50
Housing materials		stainless steel 316L / 1.4404
Weight	[kg]	0.182

Electrical connection

Connection	M12 connector; Gold-plated contacts
------------	-------------------------------------

Wiring



Remarks

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

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