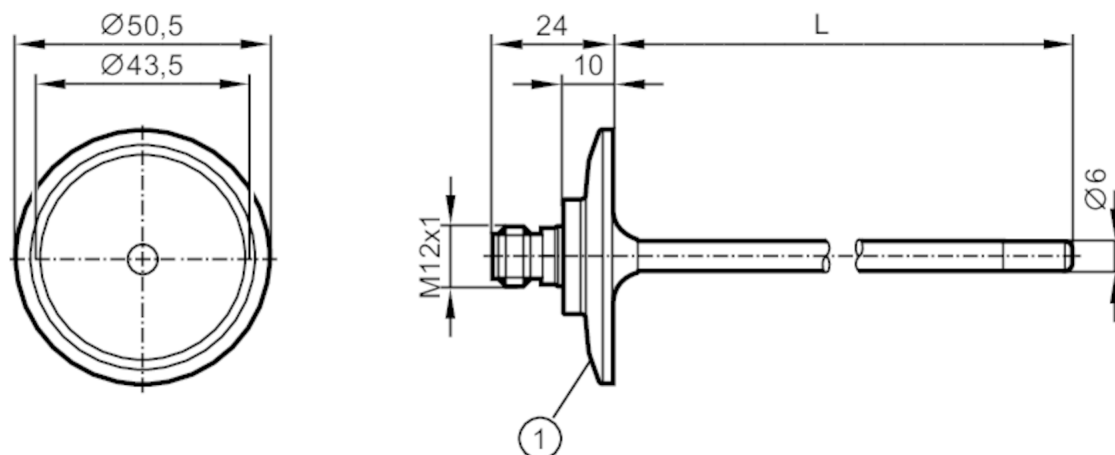




Temperature sensor with process connection

TM-050KFEC01-

/US/



1 1.5" Clamp ISO 2852

L = probe length corresponds to installation length EL



CRN c UL US EC 1935/2004 EHEDG Certified FCM FDA

Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	Clamp DN25...DN40 (1...1,5") DIN 32676 (ISO 2852)	
Installation length EL [mm]	50	

Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Application	hygienic systems	
Media	liquids and gases	
Pressure rating [bar]	25	
Pressure rating [MPa]	2.5	
Minimum installation depth [mm]	15	
MAWP (for applications according to CRN) [bar]	50	

Electrical data

Protection class	III
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Measuring/setting range

Probe length L	[mm]	50	
Measuring range		-40...150 °C	-40...302 °F

Accuracy / deviations

Accuracy [K]	± (0,15 K + 0,002 x 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

TM4811



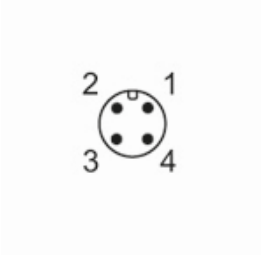
Temperature sensor with process connection

TM-050KFEC01- /US/

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		
Weight	[g]	184
Housing		cylindrical
Dimensions	[mm]	Ø 49.8 / L = 74
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404) electropolished
Process connection		Clamp DN25...DN40 (1...1,5") DIN 32676 (ISO 2852)
Surface characteristics Ra/Rz of the wetted parts		Ra: < 0.8
Probe diameter	[mm]	6
Installation length EL	[mm]	50
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; coding: A; Contacts: gold-plated



Connection

