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TM4931 TM-100KFEC02- /US/

Temperature sensors

L = probe length (corresponds to installation length EL)			
3 CUL US EC 1935/2004 EHEDG Certified			
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: -40150 °C / -40302 °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 [ba	r] 25		
Minimum installation depth [mn	1] 15		
Electrical data			
Connection to control monitor	TP / TR		
Protection class			
Measuring / setting range			
Measuring range	-40150 °C -40302 °F		
Accuracy / deviations			
Accuracy / acviations			
Accuracy	± (0.15 K + 0.002 x t)		
	± (0.15 K + 0.002 x t)		
Accuracy			
Accuracy Reaction times			
Accuracy Reaction times Dynamic response T05 / T09 [s	5] <u>1/3*</u>)		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C Storage temperature [°C	5] 1 / 3 *) C] -2580 C] -40100		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C	5] <u>1/3*</u>) [] -2580		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C Storage temperature [°C Protection Tests / approvals	5] 1 / 3 *) C] -2580 C] -40100		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C Storage temperature [°C Protection [°C	5] 1 / 3 *) C] -2580 C] -40100		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C Storage temperature [°C Protection Tests / approvals	6] 1 / 3 *) C] -2580 C] -40100 IP 68 / IP 69K		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C Storage temperature [°C Protection Tests / approvals Shock resistance Totage temperature	5] 1 / 3 *) C] -2580 C] -40100 IP 68 / IP 69K DIN EN 60068-2-2-27: 50 g (11 ms) DIN EN 60068-2-6 10 g (102000 Hz)		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C Storage temperature [°C Protection Tests / approvals Shock resistance Vibration resistance	5] 1 / 3 *) C] -2580 C] -40100 IP 68 / IP 69K DIN EN 60068-2-2-27: 50 g (11 ms) DIN EN 60068-2-6 10 g (102000 Hz)		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Ambient temperature [°C Storage temperature [°C Protection [°C Shock resistance Vibration resistance MTTF [Years	5] 1 / 3 *) C] -2580 C] -40100 IP 68 / IP 69K DIN EN 60068-2-2-27: 50 g (11 ms) DIN EN 60068-2-6 10 g (102000 Hz)		
Accuracy Reaction times Dynamic response T05 / T09 [s Environment Image: Comparison of the system	5] 1 / 3 *) C] -2580 -40100 IP 68 / IP 69K DIN EN 60068-2-2-27: 50 g (11 ms) DIN EN 60068-2-6 10 g (102000 Hz) 22831		
AccuracyReaction timesDynamic responseT05 / T09 [sEnvironmentAmbient temperature[°CStorage temperature[°CProtection[°CTests / approvalsShock resistanceVibration resistanceVibration resistanceMTTF[YearsMechanical dataProcess connection	5] 1 / 3 *) C] -2580 C] -40100 IP 68 / IP 69K DIN EN 60068-2-2-27: 50 g (11 ms) DIN EN 60068-2-6 10 g (102000 Hz) 5] 22831 Clamp 2" stainless steel 316L / 1.4404; surface characteristics: Ra < 0.8 / electropolished		

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TM4931

Pack quantity

[piece]



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

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