efector600°

TM4511

TM-050KFER12- /US/

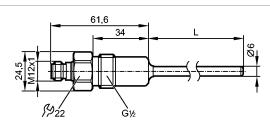
Installation length EL

Housing materials

[mm]



Temperature sensors



L = probe length (corresponds to installation length EL)



cUL us EC 1935/2004 EHEDG Certified

LISTED						
Product characteristics						
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V						
Quick disconnect						
Process connection: G½ with sealing cone						
Installation length EL: 50 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		lic	quids and gases			
Pressure rating	[bar]	160; only applies to the sensor; for installation in adapters the indications in the adapter data sheet shall apply				
Minimum installation d	lepth [mm]		15			
Electrical data						
Connection to control monitor		TP / TR				
Protection class		III				
Measuring / setting	range					
Measuring range		-40150 °C	-40302 °F			
Accuracy / deviation	ıs					
Accuracy / deviation	ns	± (0	.15 K + 0.002 x t)			
	ns	± (0	.15 K + 0.002 x t)			
Accuracy	T05 / T09 [s]	± (0	.15 K + 0.002 x t) 1 / 3 *)			
Accuracy Reaction times		± (0				
Accuracy Reaction times Dynamic response		± (0				
Accuracy Reaction times Dynamic response Environment	T05 / T09 [s]		1/3*)			
Accuracy Reaction times Dynamic response Environment Ambient temperature	T05 / T09 [s]		1 / 3 *) -2580			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection	T05 / T09 [s]		1 / 3 *) -2580			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection Tests / approvals	T05 / T09 [s]		1 / 3 *) -2580 IP 68 / IP 69K			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection Tests / approvals Shock resistance	T05 / T09 [s]	DIN EN 60068-2-2-27:	1 / 3 *) -2580 IP 68 / IP 69K 50 g (11 ms)			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance	T05 / T09 [s]	DIN EN 60068-2-2-27:	1 / 3 *) -2580 IP 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz)			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF	T05 / T09 [s]	DIN EN 60068-2-2-27: DIN EN 60068-2-6	1 / 3 *) -2580 IP 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz)			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data	T05 / T09 [s]	DIN EN 60068-2-2-27: DIN EN 60068-2-6	1 / 3 *) -2580 IP 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831.05			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Process connection	T05 / T09 [s]	DIN EN 60068-2-2-27: DIN EN 60068-2-6	1 / 3 *) -2580 IP 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831.05 with sealing cone			
Accuracy Reaction times Dynamic response Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Process connection Materials (wetted parts	T05 / T09 [s] [°C] [Years]	DIN EN 60068-2-2-27: DIN EN 60068-2-6	1 / 3 *) -2580 IP 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831.05 with sealing cone rface characteristics: Ra < 0.8 / electropolished			

50

stainless steel 316L / 1.4404

efector600



TM-050KFER12- /US/
Temperature sensors



Weight	[kg]	0.136	
Electrical connection			
Connection		M12 connector; gold-plated contacts	
Wiring 2			
3 4	† 2 † 3 4		

Remarks				
Remarks		cULus - Class 2 source required *) according to DIN EN 60751 The values for accuracy apply to flowing water.		
Pack quantity	[piece]	1		

 $ifm\ efector,\ inc. \bullet 1100\ Atwater\ Drive\ \bullet\ Malvern\ \bullet\ PA\ 19355\ -\ We\ reserve\ the\ right\ to\ make\ technical\ alterations\ without\ prior\ notice.\ -\ US\ -\ TM4511\ -\ 21.11.2011$