efector600°

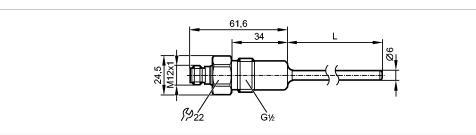
TM4531

MTTF

TM-100KFER12- /US/



Temperature sensors





Made in Germany

CUL US EHEDG Certified			Made in Germany		
Product characteristics					
Temperature sensor for co	onnection to	a control monitor with a max. operat	ing voltage of 32 V		
Connector					
Process connection: G½ with sealing cone					
Installation length: 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		liq	uids and gases		
Minimum installation dept	h [mm]		15		
Electrical data					
Connection to control monitor			TP / TR		
Protection class			III		
Measuring / setting rang	ge				
Measuring range	[°C/°F]	-40	150 / -40302		
Accuracy / deviations					
Accuracy		± (0.	15 K + 0.002 x t)		
Reaction times					
Dynamic response T	05 / T09 [s]		1 / 3 *)		
Environment					
Pressure rating	[bar]		160; **)		
Ambient temperature	[°C]		-2580		
Protection			P 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 (102000 Hz)		

Mechanical data					
Process connection		G½ with sealing cone			
Materials (wetted parts)		stainless steel 316L / 1.4404; surface characteristics: Ra < 0.8 / electropolished			
Probe diameter	[mm]	6			
Probe length L	[mm]	100			
Installation length	[mm]	100			
Housing materials		stainless steel 316L / 1.4404			
Tightening torque	[Nm]	3050			

[Years]

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efector600°

TM4531

TM-100KFER12- /US/



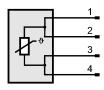
Weight [kg] 0.141

Electrical connection

Connection M12 connector; Gold-plated contacts

Wiring





Remarks		
Remarks		cULus - Class 2 source required *) according to DIN EN 60751 **) only applies to the sensor; for installation in adapters the indications in the adapter data sheet shall apply The values for accuracy apply to flowing water.
Pack quantity	[piece]	1

 $ifm\ electronic\ gmbh\ \bullet\ Friedrichstraße\ 1\ \bullet\ 45128\ Essen\ -\ We\ reserve\ the\ right\ to\ make\ technical\ alterations\ without\ prior\ notice.\ -\ GB\ -\ TM4531\ -\ 21.11.2011$