## efector 600

## TM4511

Probe diameter

Probe length L

Installation length Housing materials

Tightening torque

[mm]

[mm]

[mm]

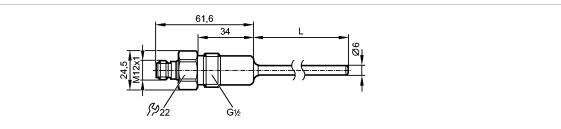
[Nm]

30...50

TM-050KFER12- /US/









Made in Germany

LISTED			
Product characteristics			
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V			
Connector			
Process connection: G½ with sealing cone			
Installation length: 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	liquids and gases		
Minimum installation depth [mm	15		
Electrical data			
Connection to control monitor	TP / TR		
Protection class	III		
Measuring / setting range			
Measuring range [°C/°F	-40150 / -40302		
Accuracy / deviations			
Accuracy	± (0.15 K + 0.002 x  t )		
Reaction times			
Dynamic response T05 / T09 [s	1/3*)		
Environment			
Pressure rating [bar	160; **)		
Ambient temperature [°C	-2580		
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 (102000 Hz)		
MTTF [Years	22831.05		
Mechanical data			
Process connection	G½ with sealing cone		
Materials (wetted parts)	stainless steel 316L / 1.4404; surface characteristics: Ra < 0.8 / electropolished		

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stainless steel 316L / 1.4404

## efector500°

## TM4511

Pack quantity

TM-050KFER12- /US/

[piece]



**Temperature sensors** 

Weight	[kg]	0.136
<b>Electrical connection</b>		
Connection		M12 connector; Gold-plated contacts
Wiring  2  3  4		1 2 3 4
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.

 $ifm\ electronic\ gmbh\ \bullet\ Friedrichstraße\ 1\ \bullet\ 45128\ Essen\ -\ We\ reserve\ the\ right\ to\ make\ technical\ alterations\ without\ prior\ notice.\ -\ GB\ -\ TM4511\ -\ 21.11.2011$