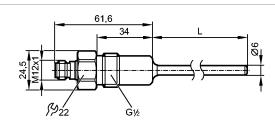
# efector600°

### TM4531

TM-100KFER12- /US/



**Temperature sensors** 



L = probe length (corresponds to installation length EL)



MTTF

## (U) IIIS FC 1935/2004 FHEDG Certified

c(UL)us EC 1935/2004 EHEDG Certified FD∕A					
Product characterist	ics				
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: 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			
Pressure rating	[bar]		for installation in adapters the indications in the data sheet shall apply		
Minimum installation de	epth [mm]		15		
Electrical data					
Connection to control monitor			TP / TR		
Protection class		III			
Measuring / setting ra	ange				
Measuring range		-40150 °C	-40302 °F		
Accuracy / deviations	s				
Accuracy		± (0.15 K + 0.002 x  t )			
Reaction times					
Dynamic response	T05 / T09 [s]		1 / 3 *)		
Environment					
Ambient temperature	[°C]	-2580			
Storage temperature	[°C]	-40100			
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)		

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 EL	[mm]	100	

22831.05

[Years]





TM-100KFER12- /US/



#### **Temperature sensors**

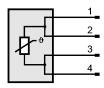
Housing materials		stainless steel 316L / 1.4404
Tightening torque	[Nm]	3050
Weight	[kg]	0.141

#### **Electrical connection**

Connection M12 connector; gold-plated contacts

## Wiring





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

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