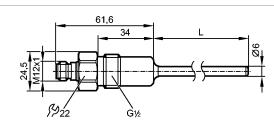
efector600°

TM4591

TM-020KFER12- /US/



Temperature sensors



L = probe length (corresponds to installation length EL)



Installation length EL

[mm]

€ EC 1935/2004 EHEDG Certified

LISTED					
Product characterist	tics				
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: 20 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]	160; only applies to the sensor; for installation in adapters the indications in the adapter data sheet shall apply			
Minimum installation depth [mm]		15			
Electrical data					
Connection to control monitor		TP / TR			
Protection class		<u> </u>			
Measuring / setting i	range				
Measuring range		-40150 °C	-40302 °F		
Accuracy / deviation	ıs				
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)		
MTTF	[Years]		22831.05		
Mechanical data					
Process connection		G½	with sealing cone		
Materials (wetted parts)		stainless steel 316L / 1.4404; sur	face characteristics: Ra < 0.8 / electropolished		
Probe diameter	[mm]		6		
Probe length L	[mm]		20		
	1				

20





TM-020KFER12- /US/



Temperature sensors

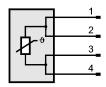
Housing materials		stainless steel 316L / 1.4404
Tightening torque	[Nm]	3050
Weight	[kg]	0.132

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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