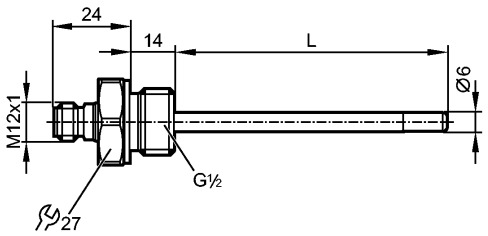
efector600

TM4441

TM-150KFBR12- /US/

Temperature sensors



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Product characteristics			
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V			
Quick disconnect			
Process connection: G ½			
Installation length EL: 150 mm			
gold-plated contacts			
Connection to control monitor TP / TR			
Measuring range: -40...150 °C / -40...302 °F			
Measuring element: 1 x Pt 100, to DIN EN 60751, class A			
Application			
Application		liquids and gases	
Pressure rating	[bar]	160	
Minimum installation depth	[mm]	15	
Electrical data			
Connection to control monitor		TP / TR	
Protection class		III	
Measuring / setting range			
Measuring range		-40...150 °C	-40...302 °F
Accuracy / deviations			
Accuracy		± (0.15 K + 0.002 x |t|)	
Reaction times			
Dynamic response	T05 / T09 [s]	1 / 3 *)	
Environment			
Ambient temperature	[°C]	-25...80	
Storage temperature	[°C]	-40...100	
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 (10...2000 Hz)
MTTF	[Years]	22831	
Mechanical data			
Process connection		G ½	
Materials (wetted parts)		stainless steel 316L / 1.4404; FPM (Viton)	
Probe diameter	[mm]	6	
Probe length L	[mm]	136	
Installation length EL	[mm]	150	
Housing materials		stainless steel 316L / 1.4404	

TM4441

TM-150KFBR12- /US/

Temperature sensors

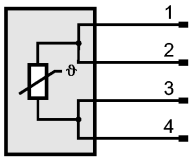
Weight	[kg]	0.182

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