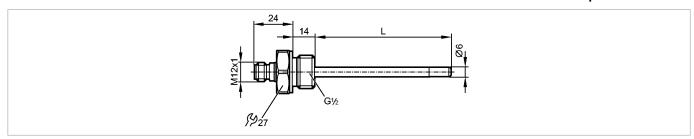
## efector600°

## TM4411

TM-050KFBR12- /US/







Housing materials

Weight

[kg]

CUL)US						
Product characteristics						
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V						
Quick disconnect						
Process connection: G 1/2						
Installation length EL: 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				
Pressure rating	[bar]	250				
Minimum installation depth [mm]		15				
Electrical data						
Connection to control monitor		TP / TR				
Protection class	Protection class III					
Measuring / setting range						
Measuring range		-40150 °C	-40302 °F			
Measuring range Accuracy / deviations		-40150 °C	-40302 °F			
			-40302 °F ( + 0.002 x  t )			
Accuracy / deviations Accuracy Reaction times						
Accuracy / deviations Accuracy Reaction times Dynamic response T05 /	/ T09 [s]	± (0.15 k				
Accuracy / deviations Accuracy Reaction times		± (0.15 h	( + 0.002 x  t ) - / 3 *)			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature	/ T09 [s]	± (0.15 k	( + 0.002 x  t ) - / 3 *)			
Accuracy / deviations Accuracy Reaction times Dynamic response T05 /		± (0.15 k	( + 0.002 x  t ) - / 3 *)			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals		± (0.15 k	( + 0.002 x  t ) - / 3 *)			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection		± (0.15 k	( + 0.002 x  t ) - / 3 *)			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals		± (0.15 k	( + 0.002 x  t ) . / 3 *) .2580 .3 / IP 69K			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals  Shock resistance		± (0.15 k -: IP 6 DIN EN 60068-2-2-27: DIN EN 60068-2-6	( + 0.002 x  t ) 2580 3 / IP 69K 50 g (11 ms)			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals  Shock resistance  Vibration resistance	[°C]	± (0.15 k -: IP 6 DIN EN 60068-2-2-27: DIN EN 60068-2-6	( + 0.002 x  t ) ( + 0.002 x  t ) ( - 1			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals  Shock resistance  Vibration resistance  MTTF	[°C]	± (0.15 k -: IP 6 DIN EN 60068-2-2-27: DIN EN 60068-2-6	( + 0.002 x  t ) ( + 0.002 x  t ) ( - 1			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals  Shock resistance  Vibration resistance  MTTF  Mechanical data	[°C]	± (0.15 kg)	( + 0.002 x  t ) 2580 3 / IP 69K 50 g (11 ms) 10 g (102000 Hz)			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals  Shock resistance  Vibration resistance  MTTF  Mechanical data  Process connection	[°C]	± (0.15 kg)	( + 0.002 x  t ) 2580 3 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831			
Accuracy / deviations  Accuracy  Reaction times  Dynamic response T05 /  Environment  Ambient temperature  Protection  Tests / approvals  Shock resistance  Vibration resistance  MTTF  Mechanical data  Process connection  Materials (wetted parts)	[°C]	± (0.15 kg)	( + 0.002 x  t ) 2580 3 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 G ½ L / 1.4404; FPM (Viton)			

stainless steel 316L / 1.4404

0.122



## TM4411

TM-050KFBR12- /US/



**Temperature sensors** 

## Electrical connection Connection M12 connector; gold-plated contacts Wiring 2 3 4

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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