efector600

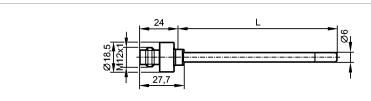
TT9281

Wiring

TT-050KFBD06- /US/



Temperature sensors



L = probe length (corresponds to installation length EL)



LISTED				
Product characteristics				
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V				
Quick disconnect				
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]	160		
Minimum installation depth	[mm]		15	
Electrical data				
Connection to control monitor		TP / TR		
Protection class		III		
Measuring / setting range				
Measuring range		-40150 °C	-40302 °F	
Accuracy / deviations				
Accuracy		± (0.15 K + 0.002 x t)		
-		± (0.15 K	+ 0.002 x t)	
Reaction times				
Reaction times Dynamic response T05 /	T09 [s]		+ 0.002 x t) / 3 *)	
Reaction times Dynamic response T05 / Environment		1	/ 3 *)	
Reaction times Dynamic response T05 / Environment Ambient temperature	T09 [s]	-25	/ 3 *) 580	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection		-25	/ 3 *)	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals		-25 IP 68	/ 3 *) 580 / IP 69K	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance		1 -2! IP 68 DIN EN 60068-2-27	/ 3 *) 580 / IP 69K 50 g (11 ms)	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals		-25 IP 68	/ 3 *) 580 / IP 69K	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance		1 -25 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6	/ 3 *) 580 / IP 69K 50 g (11 ms)	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance	[°C]	1 -25 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6	/ 3 *) 580 / IP 69K 50 g (11 ms) 10 g (102000 Hz)	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF	[°C]	1 -25 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6	/ 3 *) 580 / IP 69K 50 g (11 ms) 10 g (102000 Hz)	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe diameter	[°C]	129 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6 22 Stainless stee	580 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 2831 el 316L / 1.4404 6	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe diameter Probe length L	[°C] [Years] [mm] [mm]	129 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6 22 Stainless stee	580 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 2831	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe diameter Probe length L Installation length EL	[°C]	25 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6 22 Stainless stee	7 3 *) 580 7 IP 69K 50 g (11 ms) 10 g (102000 Hz) 2831 el 316L / 1.4404 6 50 50	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe diameter Probe length L Installation length EL Housing materials	[°C] [Years] [mm] [mm]	1 25 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6 22 Stainless stee	580 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 2831 el 316L / 1.4404 6 50 el 316L / 1.4404	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe diameter Probe length L Installation length EL Housing materials Weight	[°C] [Years] [mm] [mm]	1 25 IP 68 DIN EN 60068-2-27 DIN EN 60068-2-6 22 Stainless stee	7 3 *) 580 7 IP 69K 50 g (11 ms) 10 g (102000 Hz) 2831 el 316L / 1.4404 6 50 50	
Reaction times Dynamic response T05 / Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe diameter Probe length L Installation length EL Housing materials	[°C] [Years] [mm] [mm]	25	580 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 2831 el 316L / 1.4404 6 50 el 316L / 1.4404	

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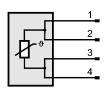
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TT-050KFBD06- /US/



Temperature sensors





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

 $ifm\ efector, inc. \bullet 1100\ Atwater\ Drive\ \bullet\ Malvern\ \bullet\ PA\ 19355\ -\ We\ reserve\ the\ right\ to\ make\ technical\ alterations\ without\ prior\ notice.\ -\ US\ -\ TT9281\ -\ 09.05.2012$