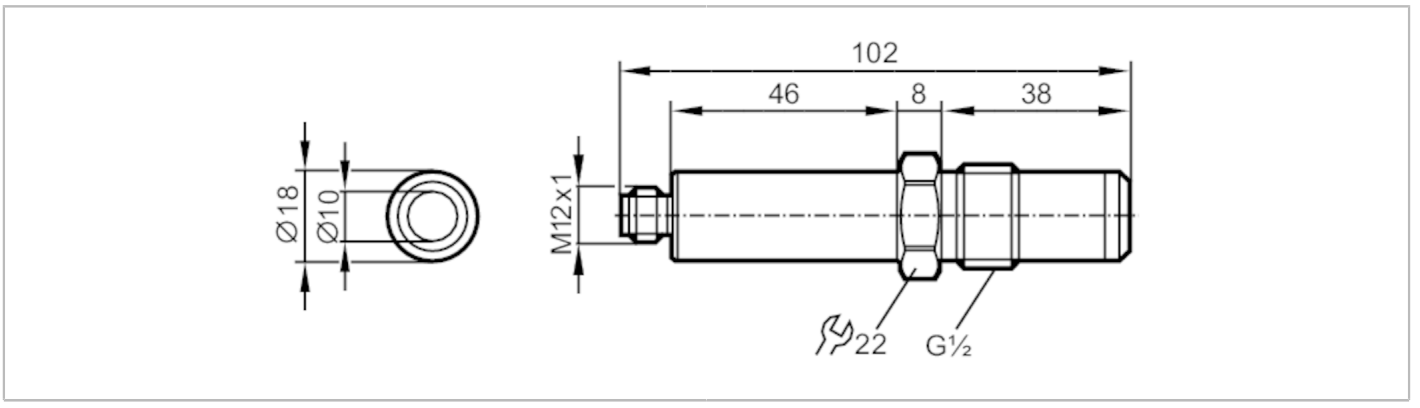
TA3597

Temperature transmitter

TA-000KLER12- /US



EC 1935/2004 FCM JP

Product characteristics			
Number of inputs and outputs		Number of analogue outputs: 1	
Measuring range	[°C]	0...100	
Process connection		threaded connection G 1/2 external thread sealing cone flush mountable	
Application			
Special feature		Gold-plated contacts	
Measuring element		1 x Pt 100; (to DIN EN 60751, class A)	
Media		liquids and gases	
Medium temperature	[°C]	< 100; (< 5 min: 150)	
Pressure rating		16 bar	1.6 MPa
Electrical data			
Operating voltage	[V]	18...32 DC	
Protection class		III	
Reverse polarity protection		yes	
Inputs / outputs			
Number of inputs and outputs		Number of analogue outputs: 1	
Outputs			
Total number of outputs		1	
Output signal		analogue signal	
Number of analogue outputs		1	
Analogue current output	[mA]	4...20	
Measuring/setting range			
Measuring range	[°C]	0...100	
Accuracy / deviations			
Precision analogue output	[K]	± (0,25 K + 0,002 x|t|)	
Temperature coefficient [% of the span / 10 K]		0,1	
Response times			
Dynamic response T05 / T09	[s]	10 / 40; (for water (70 °C; 0,04 m/s))	
Operating conditions			
Ambient temperature	[°C]	-20...70	

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Temperature transmitter

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Storage temperature	[°C]	-40...85	
Protection		IP 69K; (in conjunction with a corresponding connector)	
Tests / approvals			
EMC		DIN EN 61000-6-2	
		DIN EN 61000-6-3	
Mechanical data			
Weight	[g]	146.5	
Housing		cylindrical	
Dimensions	[mm]	Ø 18 / L = 102	
Materials		stainless steel (316L/1.4404); PEEK	
Materials (wetted parts)		stainless steel (316L/1.4404); PEEK	
Tightening torque	[Nm]	10	
Process connection		threaded connection G 1/2 external thread sealing cone flush mountable	
Surface characteristics Ra/Rz of the wetted parts		Ra < 0.8 µm	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12; coding: A; Contacts: 2, gold-plated



Connection

