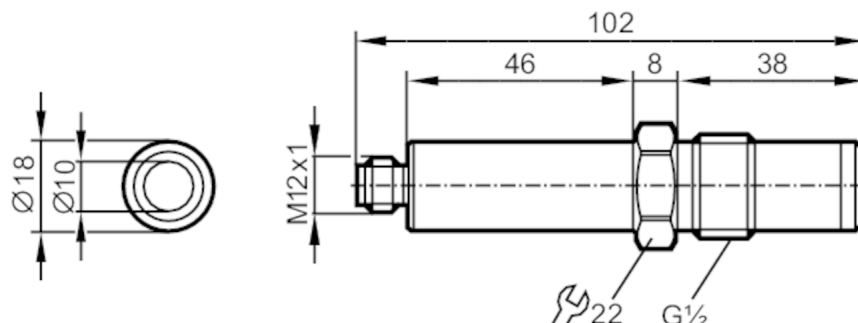


Temperature transmitter

TA-000KLER12- /US



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [°C]	0...100
Process connection	threaded connection G 1/2 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 [bar]	16

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
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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
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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))
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Operating conditions

Ambient temperature [°C]	-20...70
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TA3597



Temperature transmitter

TA-000KLER12- /US

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
Dimensions	[mm]	Ø 18
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 sealing cone flush mountable	
Surface characteristics Ra/Rz of the wetted parts	Ra: < 0.8	

Remarks

Pack quantity	1 pcs.
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Electrical connection

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



Connection

