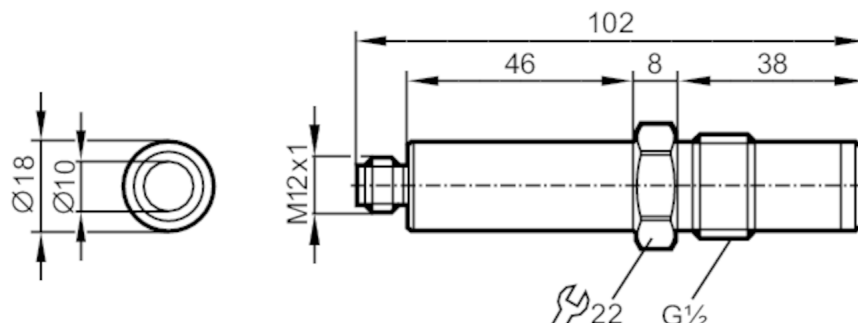


TA3597

Temperature transmitter

TA-000KLER12- /US



Product characteristics

Number of inputs and outputs	Number of analog outputs: 1
Measuring range [°C]	0...100
Process connection	threaded connection G 1/2 external thread sealing cone flush mountable

Application

System	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 analog outputs: 1
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Outputs

Total number of outputs	1
Output signal	analog signal
Number of analog outputs	1
Analog current output [mA]	4...20

Measuring/setting range

Measuring range [°C]	0...100
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Accuracy / deviations

Precision analog output [K]	± (0,25 K + 0,002 x t)
Temperature coefficient [% of the span / 10 K]	0,1

Reaction 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
Housing		tubular
Dimensions	[mm]	Ø 18 / L = 102
Material		stainless steel (1.4404 / 316L); PEEK
Materials (wetted parts)		stainless steel (1.4404 / 316L); 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.
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Electrical connection

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



Connection

