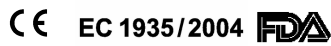
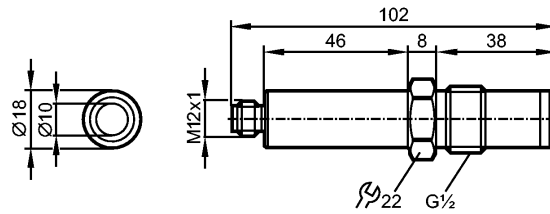


TA3597

TA-000KLER12- /US

Temperature sensors



Product characteristics

Temperature transmitter
Quick disconnect
Process connection: G½ with sealing cone
flush mountable
Max. medium temperature
100 °C (continuous)
150 °C (max. 5 min. / peak)
Analog output
Measuring range: 0...100 °C
Measuring element: 1 x Pt 100, to DIN EN 60751, class A

Application

Application	liquids and gases
Pressure rating [bar]	16

Electrical data

Electrical design	DC
Operating voltage [V]	18...32 DC
Protection class	III
Reverse polarity protection	yes

Outputs

Output	Analog output
Output function	4...20 mA analog
Analog output	4...20 mA

Measuring / setting range

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

Analog output [K]	± (0.25 K + 0.002 x t)
Temperature coefficients (in % of the span per 10 K)	0.1

Reaction times

Dynamic response T05 / T09 [s]	10 / 40 *)
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Environment

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

TA-000KLER12- /US

Temperature sensors

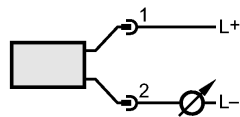
Mechanical data

Process connection	G ¹ / ₂ with sealing cone	
Materials (wetted parts)	stainless steel 316L / 1.4404; PEEK (polyether ether ketone)	
Housing materials	stainless steel 316L / 1.4404; PEEK (polyether ether ketone)	
Tightening torque	[Nm]	10
Weight	[kg]	0.145

Electrical connection

Connection	M12 connector; gold-plated contacts	
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Wiring



Remarks

Remarks	*) for water (70°C; 0.04 m/s)	
Pack quantity	[piece]	1