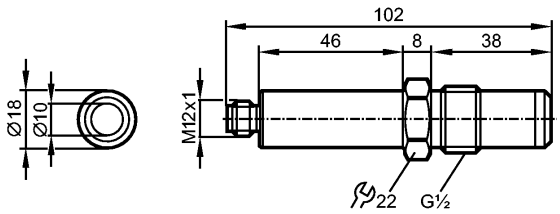
efector600

TA3597

TA-000KLER12- /US

Temperature sensors



CE EC 1935/2004 FDA

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
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 *)
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

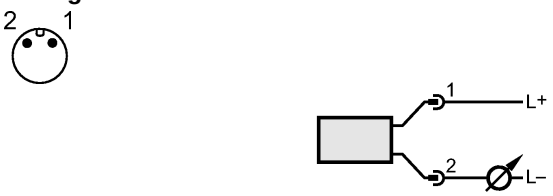
TA-000KLER12- /US

Temperature sensors

Mechanical data		
Process connection		G½ with sealing cone
Materials (wetted parts)		stainless steel 316L / 1.4404; Ra < 0.8; 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

Wiring



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