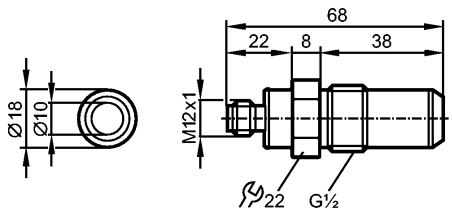
TM4599

TM-000KLER12-/US/

Temperature sensors



EC 1935/2004 FDA

Product characteristics		
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V		
Connector		
Process connection: G½ with sealing cone		
flush mountable		
Max. medium temperature		
100 °C (continuous) 150 °C (max. 5 min. / peak)		
Connection to control monitor TP / TR		
Measuring range: -50...140 °C		
Measuring element: 1 x Pt 100, to DIN EN 60751, class A		
Application		
Application		liquids and gases
Pressure rating	[bar]	16
Electrical data		
Connection to control monitor		TP / TR
Protection class		III
Measuring / setting range		
Measuring range	°C	-50...140
Accuracy / deviations		
Accuracy		± (0.15 K + 0.002 x |t|)
Reaction times		
Dynamic response	T05 / T09 [s]	10 / 40 *)
Environment		
Ambient temperature	[°C]	-20...70
Storage temperature	[°C]	-40...100
Protection		IP 69K; in conjunction with a corresponding connector
Mechanical data		
Process connection		G½ with sealing cone
Materials (wetted parts)		stainless steel 316L / 1.4404; PEEK
Housing materials		stainless steel 316L / 1.4404; PEEK
Tightening torque	[Nm]	10
Weight	[kg]	0.122
Electrical connection		
Connection		M12 connector; Gold-plated contacts

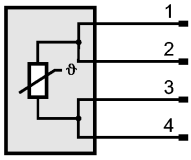
Wiring

TM4599

TM-000KLER12-/US/

Temperature sensors





Remarks

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