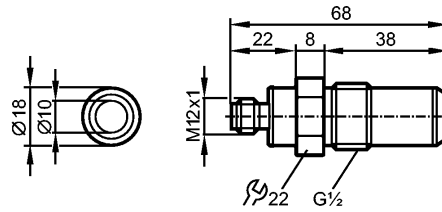


**TM4599**

TM-000KLER12-/US/

Temperature sensors



**EC 1935/2004** 

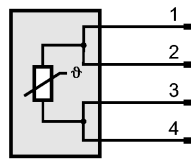
Product characteristics	
Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V	
Quick disconnect	
Process connection: G½ with sealing cone	
flush mountable	
Max. medium temperature	
100 °C (continuous)	
150 °C (max. 5 min. / peak)	
Connection to control monitor 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...85
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