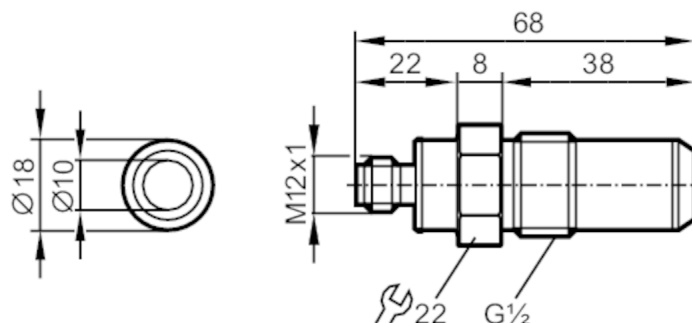


Temperature sensor with process connection

TM-000KLER12-/US/



EC 1935/2004 

Product characteristics

Measuring range	[°C]	-50...140
Process connection		threaded connection G 1/2 external thread sealing cone flush mountable

Application

Special feature		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	[bar]	16
Pressure rating	[MPa]	1.6

Electrical data

Protection class		III
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Measuring/setting range

Measuring range	[°C]	-50...140
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Accuracy / deviations

Accuracy	[K]	± (0,15 K + 0,002 x t)
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Response 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
Storage temperature	[°C]	-40...100
Protection		IP 69K; (in conjunction with a corresponding connector)

Tests / approvals

MTTF	[years]	12683.9
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Mechanical data

Weight	[g]	126.5
Housing		cylindrical
Dimensions	[mm]	Ø 18 / L = 68
Materials		stainless steel (316L/1.4404); PEEK
Materials (wetted parts)		stainless steel (316L/1.4404); PEEK
Tightening torque	[Nm]	10

TM4599



Temperature sensor with process connection

TM-000KLER12-/US/

Process connection

threaded connection G 1/2 external thread sealing cone flush mountable

Remarks

Pack quantity

1 pcs.

Electrical connection

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



Connection

