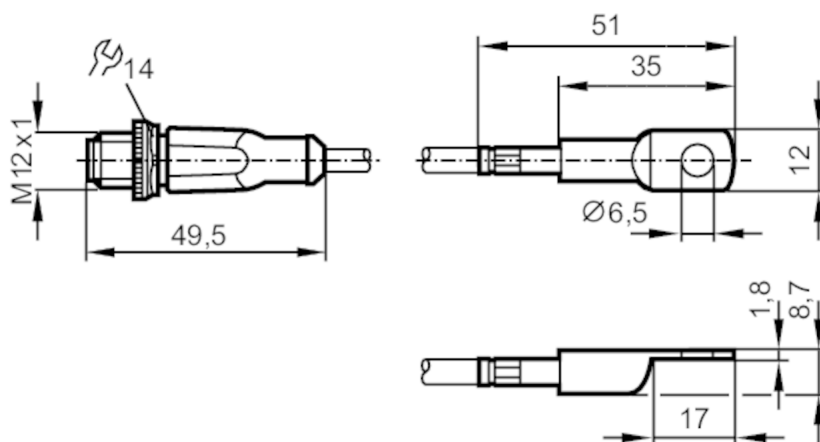


TS2229



Temperature cable sensor with bolt-on sensor

TS-PT100 CONTACT SENSOR



Application

Measuring element	1 x Pt 100; (to DIN EN 60751, class A)
Installation	surface mount RTD for solid bodies

Electrical data

Insulation rating	[V]	2500; (insulation between sensor housing and internal)
Protection class		III

Measuring/setting range

Measuring range	-40...90 °C	-40...194 °F
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Accuracy / deviations

Accuracy	[K]	$\pm (0,15 \text{ K} + 0,002 \times t)$
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Response times

Dynamic response T05 / T09	[s]	9 / 15; (values for a flat aluminium surface (anodised) using a conductive heat paste; reference values for moving water : 10 / 24 (< 0,1 m/s))
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Operating conditions

Protection	IP 67
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Tests / approvals

MTTF	[years]	22831
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Mechanical data

Weight	[g]	86.8
Housing		bolt-on sensor
Materials		stainless steel (1.4303 / 305 / 308); copper nickel-plated
Process connection		bolt-on sensor 12 x 8,7 x 51 mm

Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR, Ø 4.9 mm; 4 x 0.34 mm² (42 x Ø 0.1 mm)

Connector: 1 x M12; Contacts: gold-plated

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Connection

