TS2229

Temperature cable sensor with bolt-on sensor

TS-PT100 CONTACT SENSOR
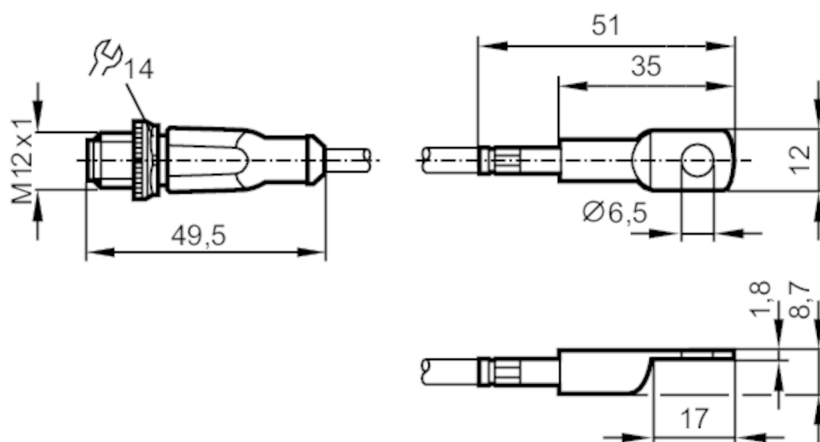
Product characteristics		
Measuring range	-40...90 °C	-40...194 °F
Process connection	bolt-on sensor 12 x 8,7 x 51 mm	
Application		
System	gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Installation	Contact sensor for solid bodies	
Electrical data		
Insulation rating [V]	2500; (Insulation between sensor housing and internal)	
Protection class	III	
Measuring/setting range		
Measuring range	-40...90 °C	-40...194 °F
Accuracy / deviations		
Accuracy [K]	$\pm$ (0,15 K + 0,002 x|t|)	
Reaction times		
Dynamic response T05 / T09 [s]	9 / 15; (Values for a flat aluminium surface (anodized) using a conductive heat paste.; reference values for moving water : 10 / 24 (< 0,1 m/s))	
Operating conditions		
Protection	IP 67	
Tests / approvals		
MTTF [years]	11415.5	
Mechanical data		
Weight [g]	88.5	
Housing	bolt-on sensor	
Dimensions [mm]	12 x 8.7 x 51	
Material	stainless steel (1.4303 / 305 / 308); copper nickel-plated	
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Remarks

Pack quantity	1 pcs.

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; coding: A; Contacts: gold-plated

Connection