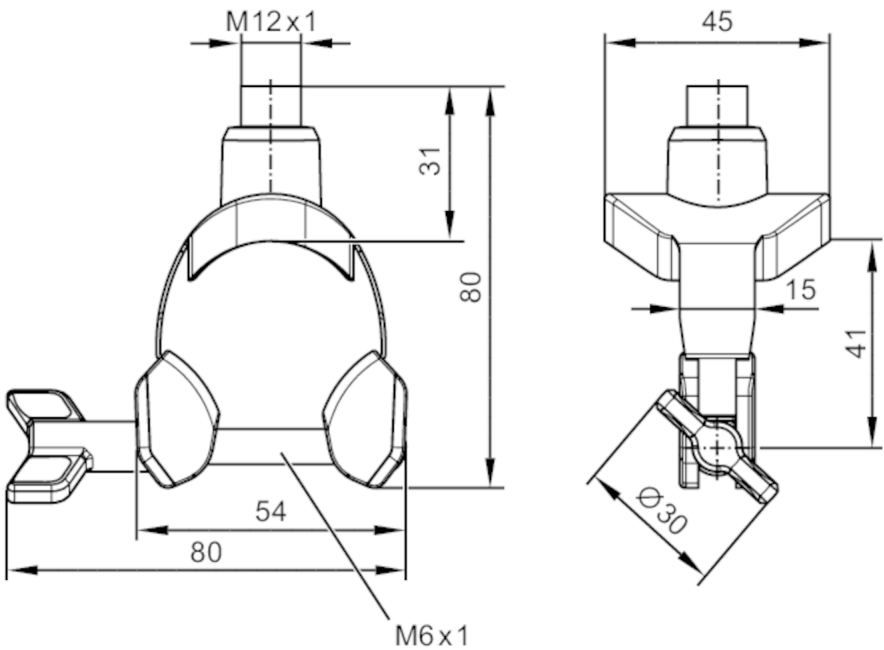


TSM501



Temperature cable sensor with bolt-on sensor

TSM032K2PCXX/US/



Product characteristics

Measuring range	-25...160 °C	-13...320 °F
Process connection	bolt-on sensor DN32 (Ø 32...36 mm)	

Application

Special feature	Gold-plated contacts
Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)
Installation	surface mount RTD for solid bodies; clamp-on solution

Electrical data

Protection class	III
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Measuring/setting range

Measuring range	-25...160 °C	-13...320 °F
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Accuracy / deviations

Accuracy	[K]	$\pm (0,15 \text{ K} + 0,002 \times T)$; (ambient temperature influence on the accuracy: $0,02 \times (T_a - T)$)
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Response times

Dynamic response T05 / T09	[s]	7,5 / 25; (reference values for moving water : ($> 0,4 \text{ m/s}$))
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Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 69K

Tests / approvals

MTTF	[years]	22831
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Mechanical data

Weight	[g]	163.6
Design		Surface temperature probe
Dimensions	[mm]	80 x 80 x 45
Materials		Mounting clamp: stainless steel (316L/1.4404); housing: PPSU; Gasket: FKM
Process connection		bolt-on sensor DN32 (Ø 32...36 mm)

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Remarks	
Remarks	Ta = Ambient temperature
	T = Process temperature
Pack quantity	1 pcs.

Electrical connection

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



Connection

