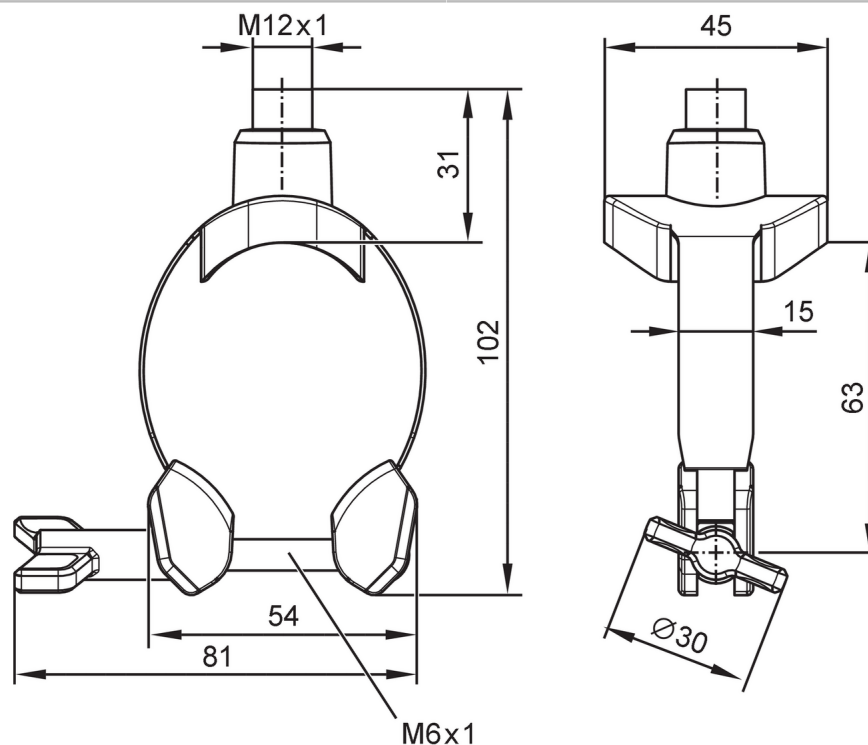


TSM701



Temperature cable sensor with bolt-on sensor

TSM050K2PCXX/US/



Product characteristics

Measuring range	-25...160 °C	-13...320 °F
Process connection	bolt-on sensor DN50 (Ø 48...54 mm)	

Application

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

Electrical data

Protection class	III
Overvoltage category	II

Measuring/setting range

Measuring range	-25...160 °C	-13...320 °F
-----------------	--------------	--------------

Accuracy / deviations

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

Reaction times

Dynamic response T05 / T09	[s]	7,5 / 25; (reference values for moving water : (> 0,4 m/s))
----------------------------	-----	---

Operating conditions

Ambient temperature	[°C]	-25...80
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 69K
Pollution degree		3

TSM701



Temperature cable sensor with bolt-on sensor

TSM050K2PCXX/US/

Tests / approvals		
MTTF	[years]	22831
Mechanical data		
Weight	[g]	168.2
Design		Surface temperature probe
Dimensions	[mm]	102 x 81 x 45
Material		Mounting clamp: stainless steel (1.4404 / 316L); housing: PPSU; Gasket: FKM
Process connection		bolt-on sensor DN50 (Ø 48...54 mm)
Remarks		
Remarks		Ta = Ambient temperature T = Process temperature
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4, gold-plated



Connection

