

1: plug area

L = probe length (corresponds to installation length EL)



Product characteristics

Temperature sensor for connection to evaluation units

Connector

Installation length EL: 360 mm

Gold-plated contacts

Connection to control monitor TP / TR

Measuring range: -40...150 °C / -40...302 °F

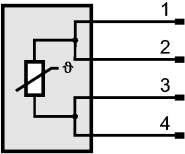
Measuring element: 1 x Pt 100, to DIN EN 60751, class A

Application

Application	liquids and gases	
Pressure rating [bar]	160	
Minimum installation depth [mm]	15	
Electrical data		
Connection to control monitor	TP / TR	
Protection class	III	
Measuring / setting range		
Measuring range	-40...150 °C	-40...302 °F
Accuracy / deviations		
Accuracy	$\pm (0.15 \text{ K} + 0.002 \times t)$	
Reaction times		
Dynamic response T05 / T09 [s]	1 / 3 *)	
Environment		
Ambient temperature [°C]	-25...80, for the plug area	
Protection	IP 68 / IP 69K	
Tests / approvals		
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
MTTF [Years]	22831	
Mechanical data		
Materials (wetted parts)	stainless steel 316L / 1.4404	
Probe diameter [mm]	10	
Probe length L [mm]	360	
Installation length EL [mm]	360	
Housing materials	stainless steel 316L / 1.4404	
Weight [kg]	0.1	
Electrical connection		
Connection	M12 connector; Gold-plated contacts	

Wiring

TT3081 - Temperature sensor for connection to evaluation units - eclass: 27200214 / 27-20-02-14



Remarks		
Remarks	*) according to DIN EN 60751 The values for accuracy apply to flowing water. cULus - Class 2 source required	
Pack quantity	[piece]	1