

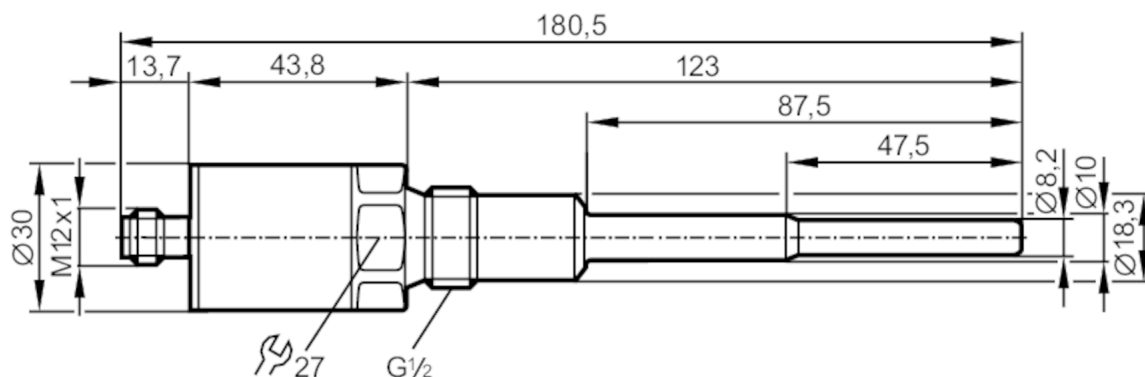
TA3430



Temperature transmitter

TA-100.LDR12-A-ZVG/US/

Status Archive



Application

Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)	
Media	liquids and gases	
Medium temperature	< 150; (< 40 min) °C	< 302; (< 40 min) °F
Pressure rating [bar]	300	
Note on pressure rating	sensor	
Minimum installation depth [mm]	When mounted in adapters the specifications of the adapter data sheet apply.	
	15	

Electrical data

Operating voltage [V]	10...30 DC; (according to EN 50178 SELV/PELV)	
Protection class	III	
Reverse polarity protection	yes	

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1	
------------------------------	-------------------------------	--

Outputs

Total number of outputs	1	
Output signal	analogue signal	
Number of analogue outputs	1	
Analogue current output [mA]	4...20	
Max. load [Ω]	500	
Overload protection	yes	

Measuring/setting range

Probe length L [mm]	47.5	
Measuring range	0...140 °C	32...284 °F

Resolution

Resolution of analogue output [K]	0.02	
-----------------------------------	------	--

TA3430



Temperature transmitter

TA-100.LDR12-A-ZVG/US/

Accuracy / deviations		
Precision analogue output	[K]	$\pm 0,1$ (60°C / 140°F) / $\pm 0,5$ (0...140°C / 32...284°F)
Temperature coefficient	[% of the span / 10 K]	$< \pm 0,1$; (in case of deviation from the reference condition 25 ± 5 °C)
Response times		
Dynamic response T05 / T09	[s]	1 / 3; (to DIN EN 60751)
Operating conditions		
Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-40...100
Protection		IP 68; IP 69K
Tests / approvals		
EMC	DIN EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	DIN EN 61000-4-4 Burst	2 kV
	DIN EN 61000-4-5 Surge	0,5/1 kV
	EN 61000-4-6 HF conducted	10 V
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (10...2000 Hz)
MTTF	[years]	1119
Mechanical data		
Weight	[g]	229.8
Dimensions	[mm]	Ø 30 / L = 180.5
Materials		stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); stainless steel (1.4305 / 303); PA
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Tightening torque	[Nm]	30...50
Process connection		threaded connection G 1/2 external thread
Installation length EL	[mm]	87.5
Remarks		
Remarks		referring to UL: for use on a low voltage circuit with overcurrent protection in accordance with UL873 tab. 28.1 or $I_{max} = 100/U_b$ (U_b = voltage of the circuit)
Notes		The values for accuracy apply to flowing water.
Pack quantity		discontinued article
		1 pcs.

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



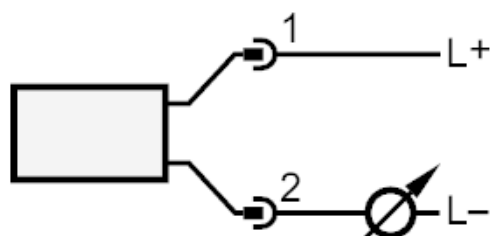
TA3430

Temperature transmitter

TA-100.LDR12-A-ZVG/US/



Connection



Status Archive