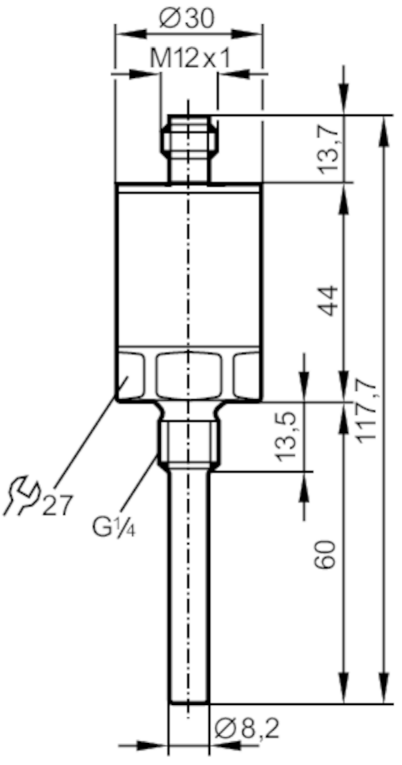
TA3130

Temperature transmitter

TA-060.LDR14-A-ZVG/US/

Article no longer available - archive entry



Product characteristics			
Number of inputs and outputs		Number of analogue outputs: 1	
Measuring range		0...140 °C	32...284 °F
Process connection		threaded connection G 1/4 external thread	
Installation length EL	[mm]	60	
Application			
Special feature		Gold-plated contacts	
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]	400	
Minimum installation depth	[mm]	15	
Electrical data			
Operating voltage	[V]	10...30 DC	
Protection class		III	
Reverse polarity protection		yes	
Inputs / outputs			
Number of inputs and outputs		Number of analogue outputs: 1	

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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]	46.5	
Measuring range		0...140 °C	32...284 °F
Resolution			
Resolution of analogue output	[K]	0.02	
Accuracy / deviations			
Precision analogue output	[K]	± 0,1 (60°C / 140°F) / ± 0,5 (0...140°C / 32...284°F)	
Temperature coefficient [% of the span / 10 K]		< ± 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)
Mechanical data			
Weight	[g]	137.2	
Dimensions	[mm]	Ø 30 / L = 117.7	
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)	
Process connection		threaded connection G 1/4 external thread	
Installation length EL	[mm]	60	
Remarks			
Remarks		The values for accuracy apply to flowing water.	
		referring to UL: for use on a low voltage circuit with overcurrent protection	
		in accordance with UL873 tab. 28.1 or Imax = 100/Ub (Ub = voltage of the circuit)	
Pack quantity		1 pcs.	

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Electrical connection

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



Connection

