

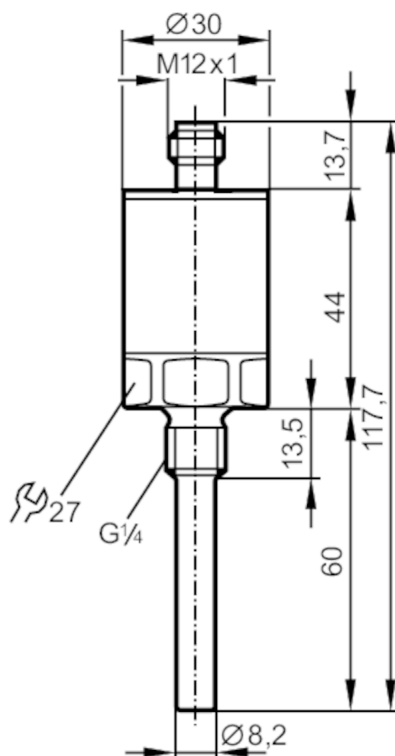
TA3130



Temperature transmitter

TA-060.LDR14-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]	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

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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]	$\pm 0,1$ (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]	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 $I_{max} = 100/U_b$ (U_b = voltage of the circuit)
Notes		discontinued article
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		

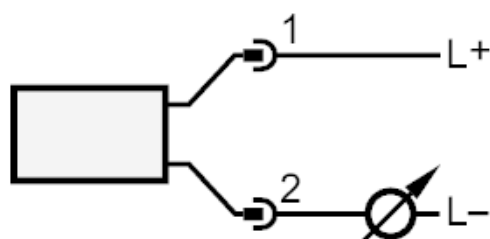
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Connection



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