

TA3171

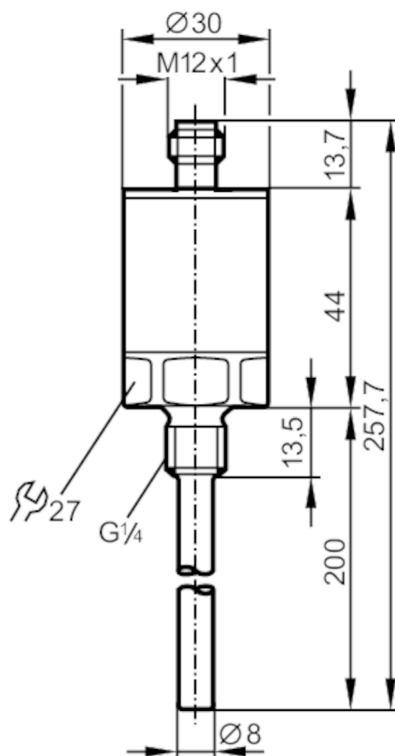
Temperature transmitter

TA-200.CDR14-A-ZVG/US/



Status Archive

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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]	160	
Minimum installation depth [mm]	15	

Electrical data

Operating voltage [V]	10...30 DC; (operating voltage "supply class 2" according to cULus)	
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]	186.5	
Measuring range	-50...150 °C	-58...302 °F
Resolution		
Resolution of analogue output [K]	0.02	
Accuracy / deviations		
Precision analogue output [K]	± 0,4	
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	2/1 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	5 g (10...2000 Hz)
MTTF [years]	1119	
Mechanical data		
Weight [g]	137	
Dimensions [mm]	Ø 30 / L = 257.7	
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]	200	
Remarks		
Remarks	The values for accuracy apply to flowing water.	
Notes	discontinued article	
Pack quantity	1 pcs.	

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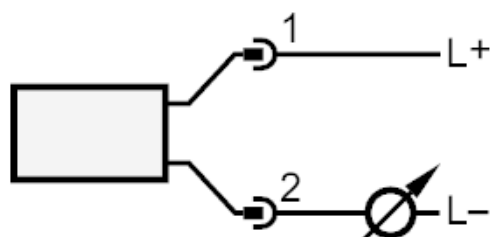
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Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection



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