

TA3131



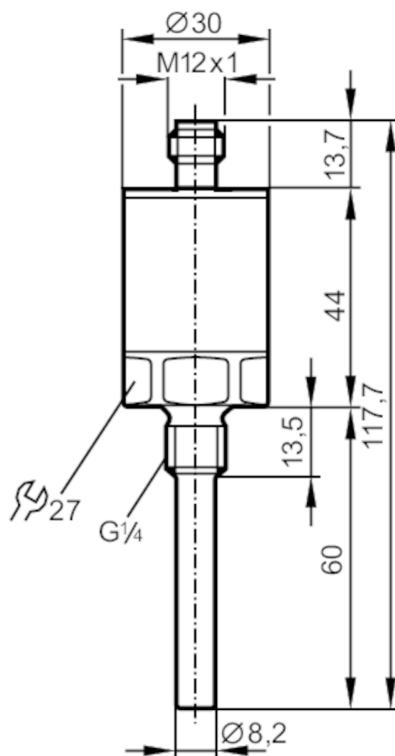
Temperature transmitter

TA-060.CDR14-A-ZVG/US/

Article no longer available - archive entry

Alternative articles: TA2115 or TA3115

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1	
Measuring range	-50...150 °C	-58...302 °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

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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]		46.5	
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 [X22]		< ± 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	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]		140.6	
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)	

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Pack quantity

1 pcs.

Electrical connection

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



Connection

