



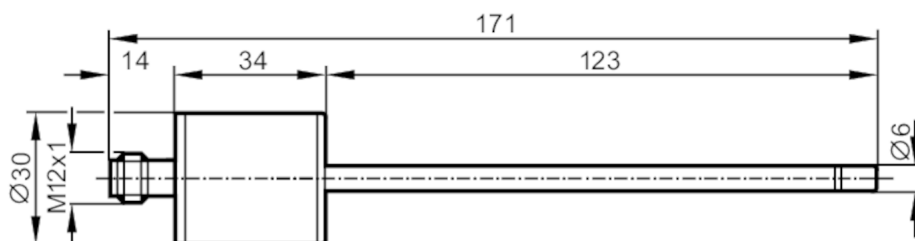
Temperature transmitter

TA-123.LDD06-A-ZVG/US/

Article no longer available - archive entry

Alternative articles: TA2241 or TD2241

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	-10...150 °C	14...302 °F
Process connection	Ø 6 mm	
Installation length EL [mm]	123	

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]	50	
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	
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]	123	
Measuring range	-10...150 °C	14...302 °F

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Resolution		
Resolution of analogue output	[K]	0.02
Accuracy / deviations		
Precision analogue output	[K]	$\pm 0,3$
Temperature coefficient	[X22]	$< \pm 0,1$; (in case of deviation from the reference condition $25 \pm 5 \text{ }^{\circ}\text{C}$)
Response times		
Dynamic response T05 / T09	[s]	1,2 / 3,5; (to DIN EN 60751)
Operating conditions		
Ambient temperature	[$^{\circ}\text{C}$]	-25...70
Storage temperature	[$^{\circ}\text{C}$]	-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]	165.8
Dimensions	[mm]	$\varnothing 30$ / L = 171
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		$\varnothing 6 \text{ mm}$
Probe diameter	[mm]	6
Installation length EL	[mm]	123
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 $I_{\text{max}} = 100/U_b$ (U_b = voltage of the circuit)	
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: gold-plated		

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Connection

