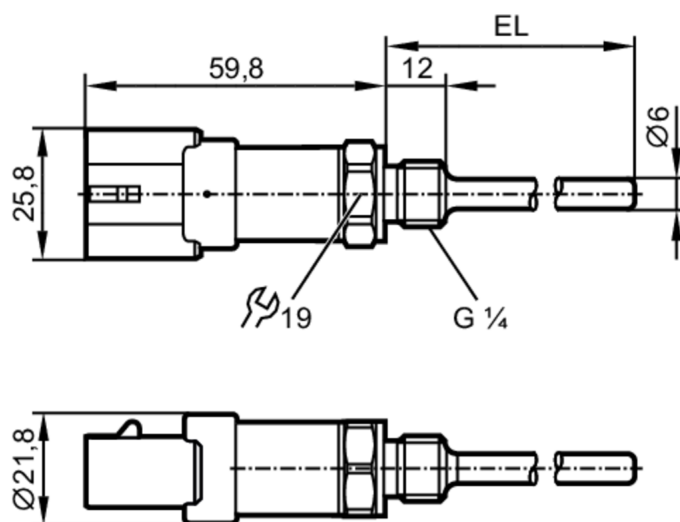


TU5105



Temperature transmitter

TU-025CLEM14-A-ZVG/AM



Product characteristics

Number of inputs and outputs	Number of analog outputs: 1	
Measuring range	-50...150 °C	-58...302 °F
Process connection	threaded connection G 1/4 external thread	
Installation length EL [mm]	25	

Application

Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating [bar]	400	

Electrical data

Operating voltage [V]	8...32 DC; (cULus - Class 2 source required)	
Current consumption [mA]	< 30	
Protection class	III	
Reverse polarity protection	yes	

Inputs / outputs

Number of inputs and outputs	Number of analog outputs: 1	
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Outputs

Total number of outputs	1	
Output signal	analog signal	
Number of analog outputs	1	
Analog voltage output [V]	0.5...4.5	
Min. load resistance [Ω]	2000	
Short-circuit protection	yes	
Overload protection	yes	

Measuring/setting range

Probe length L [mm]	13	
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TU5105



Temperature transmitter

TU-025CLEM14-A-ZVG/AM

Measuring range	-50...150 °C	-58...302 °F
Resolution		
Resolution of analog output	[K]	0.1
Accuracy / deviations		
Precision analog output	[K]	± 0,3 + (± 0,1 % MS)
Temperature coefficient		0,1; (In case of deviation from the reference condition 25 ± 5 °C)
[% of the span / 10 K]		
Reaction times		
Dynamic response T05 / T09	[s]	1 / 3; (according to DIN EN 60751)
Operating conditions		
Ambient temperature	[°C]	-40...100
Storage temperature	[°C]	-40...100
Protection		IP 68; IP 69K
Tests / approvals		
EMC		DIN EN 61000-6-2
		DIN EN 61000-6-3
Shock resistance		DIN EN 60068-2-27
Vibration resistance		DIN EN 60068-2-6
MTTF	[years]	849
UL approval		UL approval number
		K010
Mechanical data		
Weight	[g]	90.5
Housing		tubular
Dimensions	[mm]	Ø 21.8 / L = 84.8
Material		stainless steel (1.4404 / 316L); PPS; FKM
Materials (wetted parts)		stainless steel (1.4404 / 316L); FKM
Process connection		threaded connection G 1/4 external thread
Probe diameter	[mm]	6
Installation length EL	[mm]	25
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)
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x AMP-Superseal

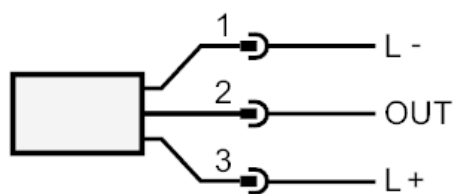




Temperature transmitter

TU-025CLEM14-A-ZVG/AM

Connection



OUT: analog output