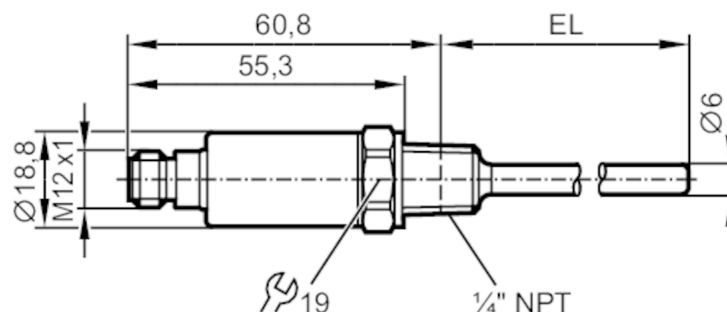


TA3605



Temperature transmitter

TA-025C5EN14-A-ZVG/US



Product characteristics

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

Application

System	gold-plated contacts	
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]	10...30 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 current output [mA]	4...20	
Max. load [Ω]	(U _b - 8,5 V) / 21,5 mA; 24 V: 720 Ω	
Short-circuit protection	yes	
Overload protection	yes	

Measuring/setting range

Probe length L [mm]	15.5	
Measuring range	-50...150 °C	-58...302 °F

Resolution

Resolution of analog output [K]	0.04	
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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)	

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[% 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

50 g (11 ms)

Vibration resistance

DIN EN 60068-2-6

20 g (10...2000 Hz)

MTTF [years] 1092

Mechanical data

Weight [g] 93.799

Housing tubular

Dimensions [mm] Ø 18.8 / L = 85.8

Material stainless steel (1.4404 / 316L); PEI; FKM

Materials (wetted parts) stainless steel (1.4404 / 316L)

Process connection threaded connection 1/4" NPT 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 M12; coding: A; Contacts: gold-plated



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Connection



OUT: analog output
Colors to DIN EN 60947-5-2