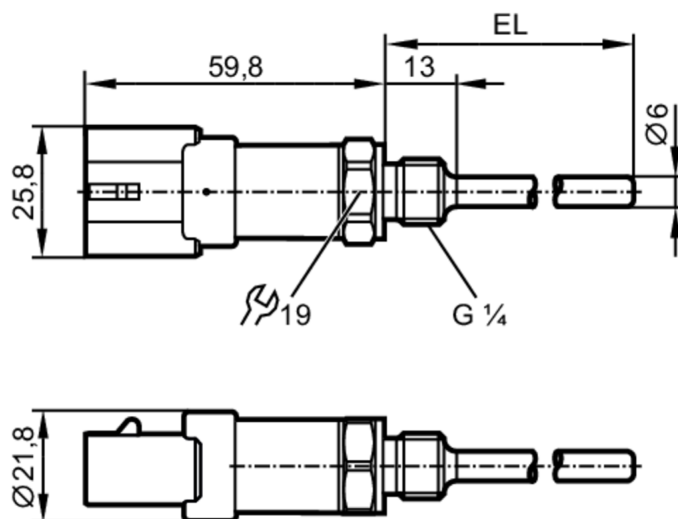


TA5115



Temperature transmitter

TA-050CLEM14-A-ZVG/AM



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]	10...30 DC; ("supply class 2" to cULus)
Current consumption [mA]	< 30
Protection class	III
Reverse polarity protection	yes

Outputs

Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue 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

Measuring range	-50...150 °C	-58...302 °F
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Resolution

Resolution of analogue output [K]	0.04
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Accuracy / deviations

Precision analogue output [K]	± 0,3 + (± 0,1 % MS)
Temperature coefficient [% of the span / 10 K]	0,1; (in case of deviation from the reference condition 25 ± 5 °C)

TA5115



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Response times

Dynamic response T05 / T09 [s] 1 / 3; (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

UL approval UL Approval no. K007

Mechanical data

Weight [g] 95

Materials 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] 50

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



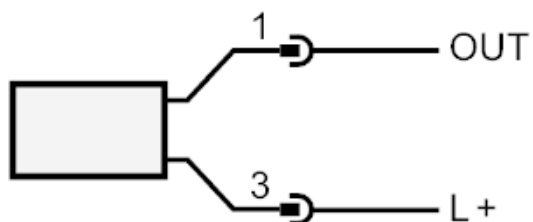
TA5115

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Connection



OUT: analogue output