

New generation available: TA2115 or TA3115

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

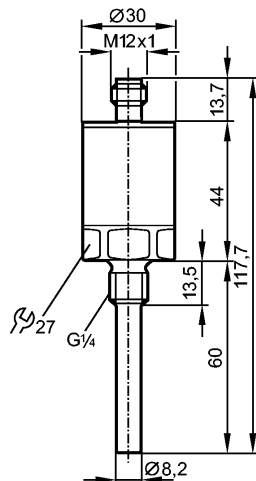
efector600

TA3131



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

Temperature sensors



Product characteristics

Temperature transmitter

Connector

Process connection: G 1/4 A

Installation length EL: 60 mm

Max. medium temperature

150°C / 302°F (max. 40 min.)

Analogue output

Measuring range: -50...150 °C / -58...302 °F

Measuring element: 1 x Pt 1000, to DIN EN 60751, class A

Application

Application

liquids and gases

Pressure rating [bar]

400

Minimum installation depth [mm]

15

Electrical data

Electrical design

DC

Operating voltage [V]

10...30 DC

Protection class

III

Reverse polarity protection

yes

Outputs

Output

Analogue output

Output function

4...20 mA analogue

Overload protection

yes

Analogue output

4...20 mA; Rmax: 500 Ω

Measuring / setting range

Measuring range

-50...150 °C

-58...302 °F

Resolution

Analogue output [K]

< 0.02

Accuracy / deviations

Analogue output [K]

± 0.4

Temperature coefficients (in % of the span per 10 K)

< ± 0.1 *****

Reaction times

Dynamic response T05 / T09 [s]

1 / 3 *)

TA3131 - Temperature transmitter - eclass: 27200208 / 27-20-02-08

Environment

Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-40...100
Protection		IP 68 / IP 69K

Tests / approvals

EMC

EN 61000-4-2 ESD:	4 kV CD / 8 kV AD
EN 61000-4-3 HF radiated:	10 V/m
EN 61000-4-4 Burst:	2 kV
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)
MTTF	[Years]	1119

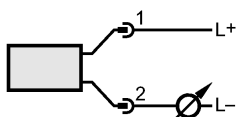
Mechanical data

Process connection		G ¼ A
Materials (wetted parts)		stainless steel 316L / 1.4404
Probe length L	[mm]	46.5
Installation length EL	[mm]	60
Housing materials		stainless steel 316L / 1.4404; stainless steel (304S15); stainless steel (303S22); PA
Weight	[kg]	0.141

Electrical connection

Connection		M12 connector; Gold-plated contacts
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Wiring



Remarks

Remarks	*) according to DIN EN 60751 *****) In case of deviation from the reference condition $25 \pm 5 \text{ °C}$ 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).
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Pack quantity	[piece]	1
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