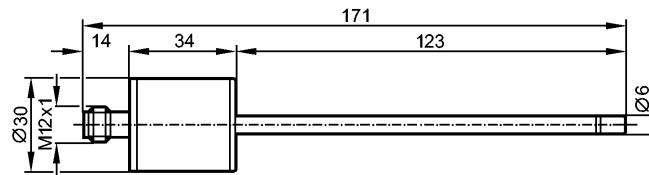


**TA3231**

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

Temperature sensors



Made in Germany



**Product characteristics**

Temperature transmitter
6 mm clamp adapter
Connector
Process connection: Ø 6 mm
Installation length: 123 mm
Max. medium temperature
150°C / 302°F (max. 40 min.)
Analogue output
Measuring range: -10...150 °C / 14...302 °F
Measuring element: 1 x Pt 1000, to DIN EN 60751, class A

**Application**

Application	liquids and gases
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 [°C/°F]	-10...150 / 14...302
Resolution	
Analogue output [K]	< 0.02

**Accuracy / deviations**

Analogue output [K]	± 0.3
Temperature coefficients (in % of the span per 10 K)	< ± 0.1 *****

**Reaction times**

Dynamic response T05 / T09 [s]	1.2 / 3.5 *)
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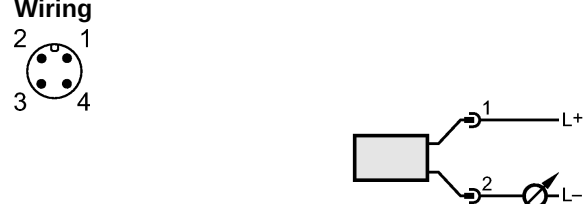
**Environment**

Pressure rating [bar]	50; **)
Ambient temperature [°C]	-25...70
Storage temperature [°C]	-40...100
Protection	IP 68 / IP 69K

**TA3231**

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Temperature sensors

Tests / approvals		
EMC	EN 61000-4-2 ESD: EN 61000-4-3 HF radiated: EN 61000-4-4 Burst: EN 61000-4-5 Surge: EN 61000-4-6 HF conducted:	4 kV CD / 8 kV AD 10 V/m 2 kV 0.5/1 kV 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		Ø 6 mm
Materials (wetted parts)		stainless steel 316L / 1.4404
Probe length L	[mm]	123
Installation length	[mm]	123
Housing materials		stainless steel 316L / 1.4404; stainless steel (304S15); stainless steel (303S22); PA
Weight	[kg]	0.256
Electrical connection		
Connection		M12 connector; Gold-plated contacts
<b>Wiring</b>		
Remarks		
Remarks	<p>*) according to DIN EN 60751                      **) only applies to the sensor; for installation in adapters the indications in the adapter data sheet shall apply                      *****) In case of deviation from the reference condition <math>25 \pm 5 \text{ }^\circ\text{C}</math>                      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 <math>I_{max} = 100/U_b</math> (<math>U_b</math> = voltage of the circuit).</p>	
Pack quantity	[piece]	1