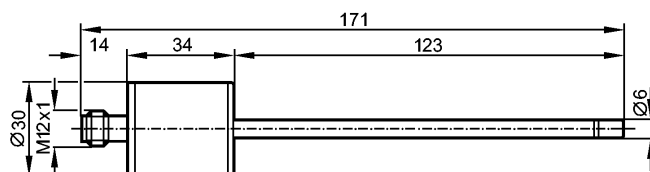


TA3237

TA-123CLDD06-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: 0...100 °C / 32...212 °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]	0...100 / 32...212
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 / 3 *)
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Environment

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

TA3237

TA-123CLDD06-A-ZVG/US/

Temperature sensors

Tests / approvals

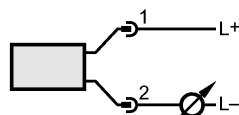
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV EN 61000-4-6 HF conducted: 10 V
Shock resistance	DIN EN 60068-2-27: 50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6: 10 g (10...2000 Hz)
MTTF [Years]	1119

Mechanical data

Process connection	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
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Wiring

Remarks

Remarks	cULus - Class 2 source required *) 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 $25 \pm 5 \text{ }^{\circ}\text{C}$ The values for accuracy apply to flowing water.
Pack quantity [piece]	1