

New generation available: TA2241

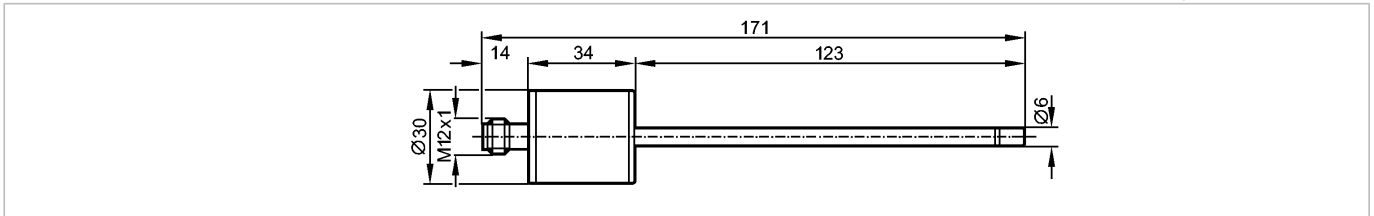
**efector 600**

TA3231



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

Temperature sensors



Product characteristics

Temperature transmitter

Requires 6 mm clamp adapter

Quick disconnect

Process connection: Ø 6 mm

Installation length EL: 123 mm

Max. medium temperature

150°C / 302°F (max. 40 perc)

Analog 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	
Pressure rating [bar]	50; only applies to the sensor; for installation in adapters the indications in the adapter data sheet shall apply	
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	Analog output	
Output function	4...20 mA analog	
Overload protection	yes	
Analog output	4...20 mA; Rmax: 500 Ω	
Measuring / setting range		
Measuring range	-10...150 °C	14...302 °F
Resolution		
Analog output [K]	< 0.02	
Accuracy / deviations		
Analog 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 *)	
Environment		
Ambient temperature [°C]	-25...70	
Storage temperature [°C]	-40...100	
Protection	IP 68 / IP 69K	

Tests / approvals

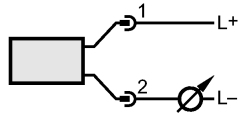
EMC

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:	0.5/1 kV

**TA3231 - Temperature transmitter - eclass: 27200208 / 27-20-02-08**

	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
<b>Mechanical data</b>		
Process connection		Ø 6 mm
Materials (wetted parts)		stainless steel 316L / 1.4404
Probe length L [mm]		123
Installation length EL [mm]		123
Housing materials	stainless steel 316L / 1.4404; stainless steel (304S15); stainless steel (303S22); PA	
Weight [kg]		0.166
<b>Electrical connection</b>		
Connection	M12 connector; gold-plated contacts	

**Wiring**



**Remarks**

Remarks

\*) according to DIN EN 60751  
 \*\*\*\*\*) In case of deviation from the reference condition  $25 \pm 5 \text{ }^\circ\text{C}$   
 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  $I_{max} = 100/U_b$  ( $U_b$  = voltage of the circuit).

Pack quantity [piece]	1
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