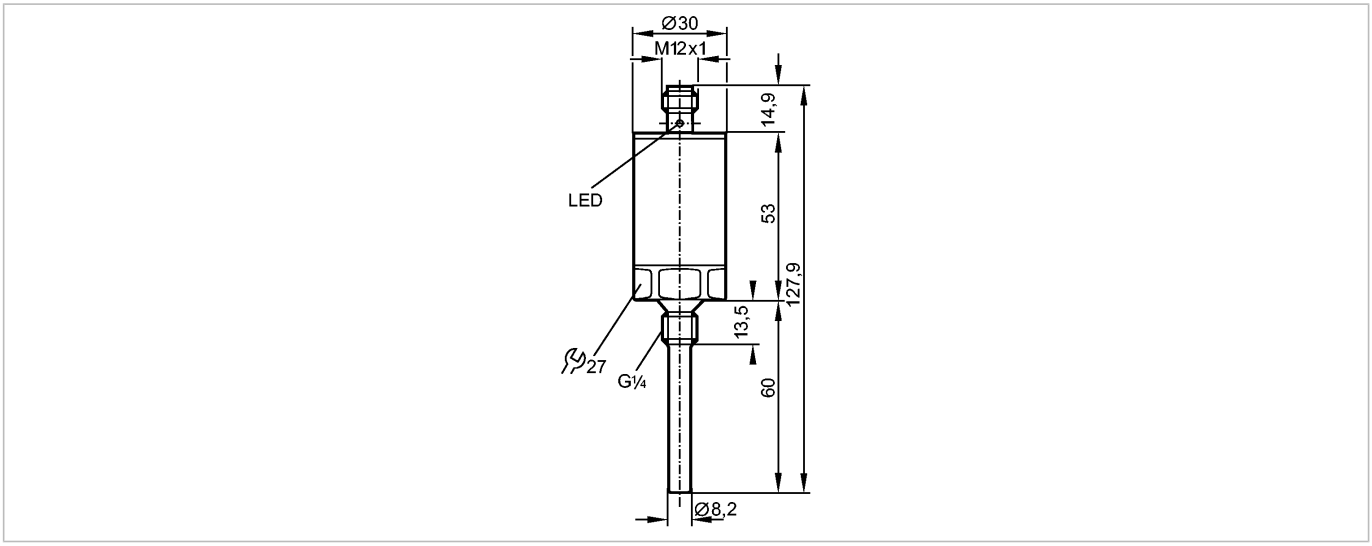
TAA131

TAA060CCDR14-ASIVG/US

Temperature sensors



Product characteristics		
Temperature transmitter		
Quick disconnect		
Process connection: G ¼ A		
Installation length EL: 60 mm		
AS-i profile S-7.3		
Max. medium temperature		
150°C / 302°F (max. 40 perc)		
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]	400
Minimum installation depth	[mm]	15
Electrical data		
Electrical design		AS-i
Operating voltage	[V]	18...31.6 DC (AS-i)
Current consumption	[mA]	< 25
Protection class		III
Reverse polarity protection		yes
Outputs		
Output function		Analog value (16 bit value incl. sign)
Overload protection		yes
Measuring / setting range		
Measuring range		-10...150 °C / 14...302 °F
Resolution		
Analog output	[K]	0.05
Accuracy / deviations		
Analog output	[K]	± 0.1 (60°C / 140°F) / ± 0.3 (0...140°C / 32...284°F)
Temperature coefficients (in % of the span per 10 K)		< ± 0.1 *****)

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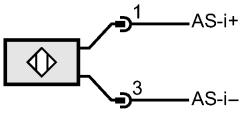
Reaction times		
Dynamic response	T05 / T09 [s]	1 / 3 *)
Environment		
Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-40...100
Protection		IP 68 / IP 69K
Tests / approvals		
EMC		EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5/1 kV EN 61000-4-6 HF conducted: 10 V
Shock resistance		DIN IEC 68-2-27: 50 g (11 ms)
Vibration resistance		DIN EN 60068-2-6 20 g (10...2000 Hz)
MTTF	[Years]	348
AS-i classification		
AS-i version		2.11
AS-i profile		S-7.3.C
I/O configuration [hex]		7
ID code [Hex]		3.C
Mechanical data		
Process connection		G ¼ A
Materials (wetted parts)		stainless steel 316L / 1.4404
Probe length L	[mm]	60
Installation length EL	[mm]	60
Housing materials		stainless steel 316L / 1.4404; stainless steel (304S15); stainless steel (303S22); PA
Weight	[kg]	0.165
Displays / operating elements		
Display		Function display LED green (operate); red (error)
Electrical connection		
Connection		M12 connector; gold-plated contacts

Wiring



Remarks		
Remarks		*) according to DIN EN 60751 *****) In case of deviation from the reference condition 25 ± 5 °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 Imax = 100/Ub (Ub = voltage of the circuit).
Pack quantity	[piece]	1