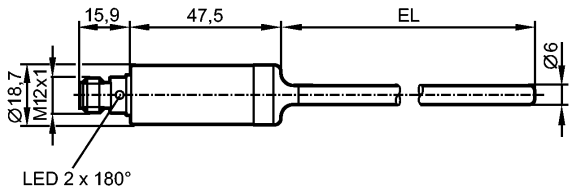
TA2212

TA-050CLED06- - /US

Temperature sensors



Product characteristics	
Temperature transmitter	
Process connection: Ø 6 mm	
Installation length EL: 50 mm	
Suitable for direct installation	
Analog output	
Measuring range: -50...200 °C	
Measuring element: 1 x Pt 1000, to DIN EN 60751, class A	
Factory setting: 0...200 °C	
Application	
Application	liquids and gases
Pressure rating [bar]	160
Vacuum resistance [mbar]	-1000
Electrical data	
Electrical design	DC
Operating voltage [V]	18...32 DC; cULus - Class 2 source required
Current consumption [mA]	< 50
Protection class	III
Reverse polarity protection	yes
Outputs	
Output	Analog output
Output function	4...20 mA analog
Short-circuit protection	yes
Overload protection	yes
Analog output	4...20 mA
Max. load [Ω]	250 (18...19 V); 300 (19...32 V)
Measuring / setting range	
Measuring range °C	-50...200
Factory setting	0...200 °C
Resolution	
Analog output [K]	≤ 0.04
Accuracy / deviations	
Analog output [K]	± 0.3 + (± 0.1 % MS)
Temperature coefficients (in % of the span per 10 K)	0.1
Reaction times	
Power-on delay time [s]	2
Dynamic response T05 / T09 [s]	< 0.5 / < 2

efector600

TA2212

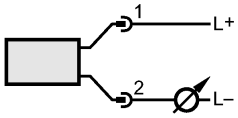
TA-050CLED06- - /US

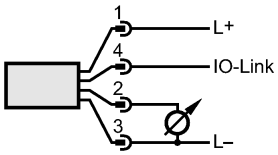
Temperature sensors

Interfaces		
IO-Link Device		
Transfer type		COM2 (38.4 kBaud)
IO-Link revision		1.1
Environment		
Ambient temperature	[°C]	-25...80, at max. 160 °C medium temperature (-25...60 °C at max. 200 °C medium temperature)
Storage temperature	[°C]	-40...100
Protection		IP 67 / IP 68 / IP 69K
Tests / approvals		
EMC		DIN EN 61000-6-2 DIN EN 61000-6-3
Shock resistance		DIN IEC 68-2-27: 50 g (11 ms)
Vibration resistance		DIN IEC 68-2-6: 10 g (10...2000 Hz)
MTTF	[Years]	232
Mechanical data		
Process connection		Ø 6 mm
Materials (wetted parts)		stainless steel 316L / 1.4404; surface characteristics Ra: < 0.6
Probe diameter	[mm]	6
Installation length EL	[mm]	50
Housing materials		stainless steel 316L / 1.4404; PEI; FKM
Weight	[kg]	0.091
Electrical connection		
Connection		M12 connector

Wiring







Remarks		
Remarks		MS = set measuring span
Pack quantity	[piece]	1