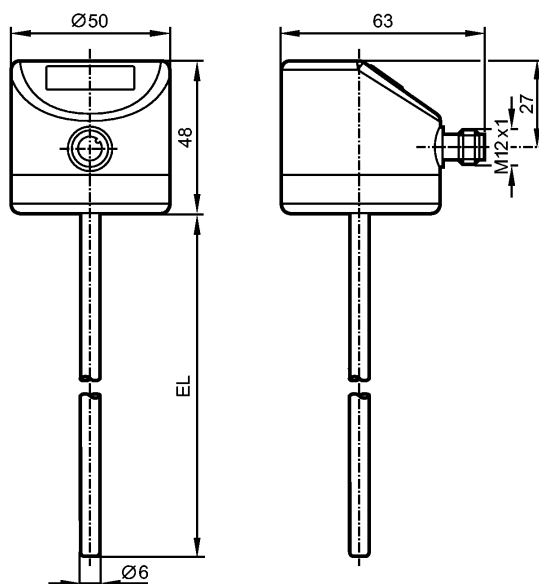




EL = Installation length



Product characteristics

Temperature Transmitter with Display

Process connection: Ø 6 mm

Installation length EL: 350 mm

Analogue output

7-segment LED display (4 digits)

Measuring range: -50...150 °C / -58...302 °F

Measuring element: 1 x Pt 1000, to DIN EN 60751, class A

Factory setting: 0...100 °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; "supply class 2" to cULus.

Current consumption [mA]

< 50

Protection class

III

Reverse polarity protection

yes

Outputs

Output

Analogue output

Short-circuit protection

yes

Overload protection

yes

Analogue output

4...20 mA

Max. load [Ω]

300

Measuring / setting range

Measuring range

-50...150 °C

-58...302 °F

Factory setting

0...100 °C

Resolution

Analogue output [K]

≤ 0.04

Display [K]

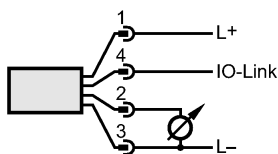
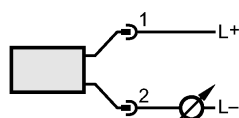
0.1

Accuracy / deviations

TD2297 - Temperature Transmitter with Display - eclass: 27279213 / 27-27-92-13

Analogue 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]	1 / 3
Interfaces	
IO-Link device	
Transfer type	COM2 (38.4 kBaud)
IO-Link revision	1.1
Environment	
Ambient temperature [°C]	-25...80
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]	407
UL approval number	K001
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]	350
Housing materials	housing: stainless steel 316L / 1.4404
Weight [kg]	0.303
Displays / operating elements	
Display	7-segment LED display (4 digits) Display unit / status °C / °F
Electrical connection	
Connection	M12 connector

Wiring



Remarks

Remarks

MS = set measuring span

Pack quantity

[piece]

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