



Temperature sensors

TCT-1PASE3506MZ



Model Name > **TCT-1PASE3506MZ**
Part No. > **6043190**

**At a glance**

- Pt100 element, accuracy class A according to IEC 60751
- Measuring ranges -50 °C ... 150 °C and -50 °C ... 250 °C
- Wetted parts made from corrosion resistant stainless steel 316L
- Output signal Pt100 (4-wire)
- Various mechanical adaptations and insertion lengths, also available with thermowell
- Circular connector M12x1 (IP 67) or L-connector according to DIN EN 175301-803 A (IP 65)

Your benefits

- Reliable operation through rugged design and high-quality materials
- Good long-term stability, accuracy and linearity
- Quick and safe installation
- Convenient system integration through compact dimensions and industry-standard output signals
- Optimal solutions for individual requirements

**Features**

| | |
|------------------|-------------------|
| Measuring range: | -50 °C ... 150 °C |
| Sensor element: | Pt100 |
| Output signal: | Pt100, 4-wire |

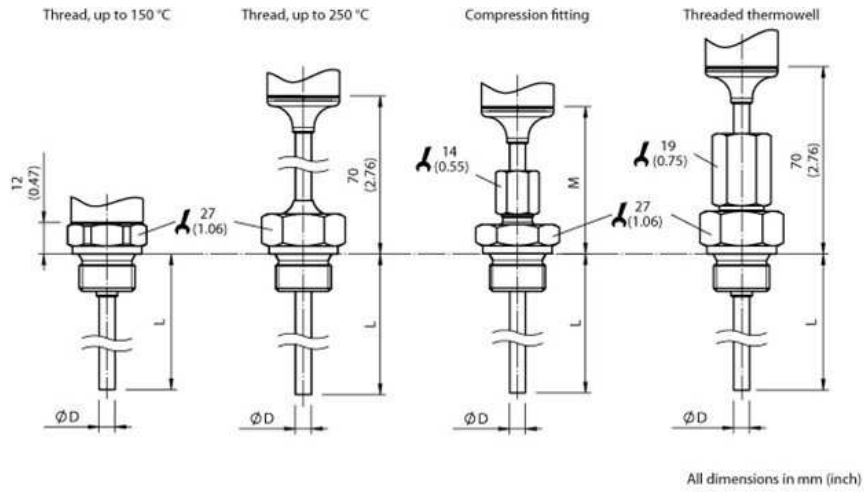
Performance

| | |
|-----------------------------|--------------------------------|
| Accuracy of sensor element: | Class A according to IEC 60751 |
|-----------------------------|--------------------------------|

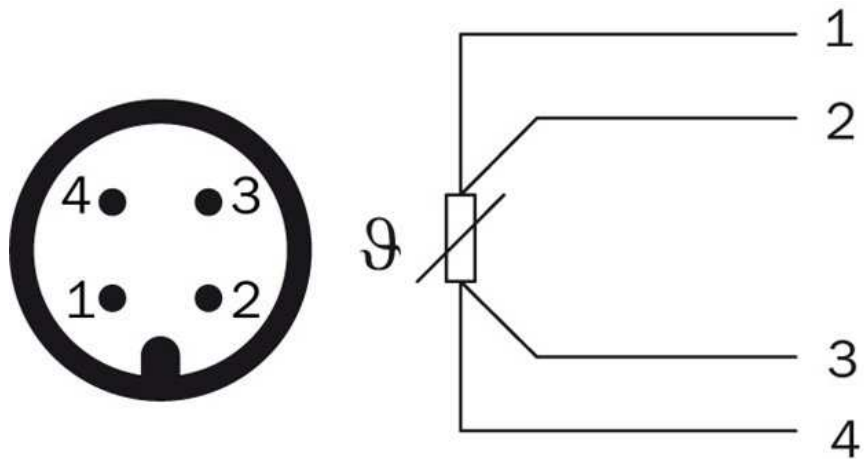
Mechanics/electronics

| | |
|--|---|
| Process connection: | Compression fitting G 1/2 B, CrNi stainless steel ferrule |
| Insertion length/diameter of probe: | 350 mm/6 mm |
| Housing material: | Stainless steel 1.4571 |
| Wetted parts: | Stainless steel 1.4571 |
| Electrical connection/enclosure rating ¹⁾ : | Plug M12 x 1, 4-pin, IP 67 |
| Measuring current: | 0.3 mA ... 1 mA |
| Electrical safety: | Protection class: III, dielectric strength: 500 V |
| Weight: | Ca. 145 g (depending on configuration) |
| Supply voltage: | 10 V DC ... 36 V DC for variant with transmitter 4 mA ... 20 mA |
| Protection class III: | ✓ |
| CE-conformity: | 2004/108/EC, EN 61326-2-3 |

Dimensional drawing process connection



Connection type



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