



## Temperature sensors

TSP-1MAN40305MZ



**Model Name** > TSP-1MAN40305MZ  
**Part No.** > 6042966



### At a glance

- Platinum element (Pt100 or Pt1000, 2-wire), accuracy class B according to IEC 60751
- Measuring range -30 °C ... +130 °C
- Various connection threads and insertion lengths
- Wetted parts made from stainless steel 1.4305
- Circular connector M12 x 1 (IP 67)

### Your benefits

- Reliable operation through rugged design and high-quality materials
- Good long-term stability
- Easy installation
- Convenient system integration through very compact dimensions



### Features

|                  |                   |
|------------------|-------------------|
| Measuring range: | -30 °C ... 130 °C |
| Sensor element:  | Pt1000            |
| Output signal:   | Pt1000, 2-wire    |

### Performance

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

### Mechanics/electronics

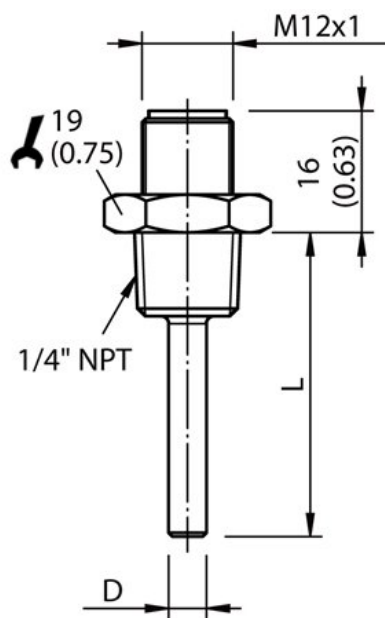
|                                                        |                                                        |
|--------------------------------------------------------|--------------------------------------------------------|
| Process connection:                                    | Thread 1/4" NPT                                        |
| Insertion length/diameter of probe:                    | 30 mm/5 mm                                             |
| Housing material:                                      | Stainless steel 1.4305                                 |
| Wetted parts:                                          | Stainless steel 1.4305                                 |
| Electrical connection/enclosure rating <sup>1)</sup> : | Plug M12 x 1, 4-pin, IP 67                             |
| Measuring current:                                     | 0.1 mA ... 0.3 mA                                      |
| Electrical safety:                                     | Dielectric strength: 500 V AC<br>Protection class: III |
| Weight:                                                | Ca. 30 g (depending on configuration)                  |

<sup>1)</sup> Enclosure rating IP per IEC 60529. The enclosure rating classes specified only apply while the pressure transmitter is connected with female connectors that provide the corresponding enclosure rating.

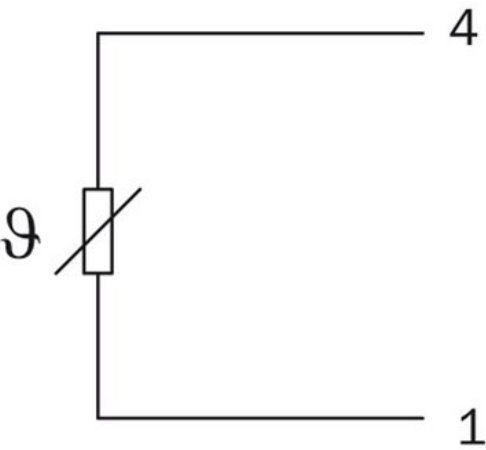
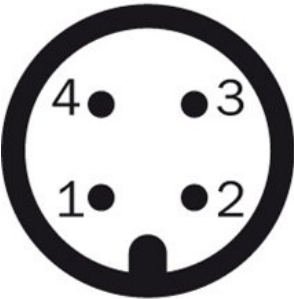
### Ambient data

|                                              |                   |
|----------------------------------------------|-------------------|
| Ambient temperature:                         | -40 °C ... 100 °C |
| Storage and transport temperature:           | -40 °C ... 85 °C  |
| Shock resistance according to IEC 60751:     | 500 g             |
| Vibration resistance according to IEC 60751: | 3 g               |

### Dimensional drawing



All dimensions in mm (inch)



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