

### Basic features

|                        |                    |
|------------------------|--------------------|
| Approval/Conformity    | CE<br>WEEE         |
| Principle of operation | Temperature sensor |

### Electrical connection

|            |                              |
|------------|------------------------------|
| Connection | Connector, M12x1-Male, 4-pin |
|------------|------------------------------|

### Environmental conditions

|                      |              |
|----------------------|--------------|
| Ambient temperature  | -40...100 °C |
| EN 60068-2-27, Shock | 500 g        |
| IP rating            | IP66, IP67   |
| Storage temperature  | -40...85 °C  |

### Interface

|               |                    |
|---------------|--------------------|
| Analog output | Analog, resistance |
|---------------|--------------------|

### Material

|                             |                        |
|-----------------------------|------------------------|
| Process connection material | 1.4305 stainless steel |
|-----------------------------|------------------------|

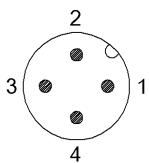
### Mechanical data

|  |              |
|--|--------------|
| Installation length from contact surface | 50 mm        |
| Pressure rating max.                     | 50 bar       |
| Probe diameter                           | 6 mm         |
| Process connection                       | G 1/4" outer |
| Tightening torque max.                   | 5 Nm         |
| Weight                                   | 35 g         |

### Range/Distance

|   |                                |
|---|--------------------------------|
| Measuring element                                 | Pt1000                         |
| Measuring range                                   | -50...150 °C                   |
| Response time per IEC 60751                       | T05 < 2.5 s<br>T09 < 6.5 s     |
| Tolerance of the measuring resistor per IEC 60751 | Class B ± (0.3 °C + 0.005 t/l) |

## Connector Drawings



## Wiring Diagrams

