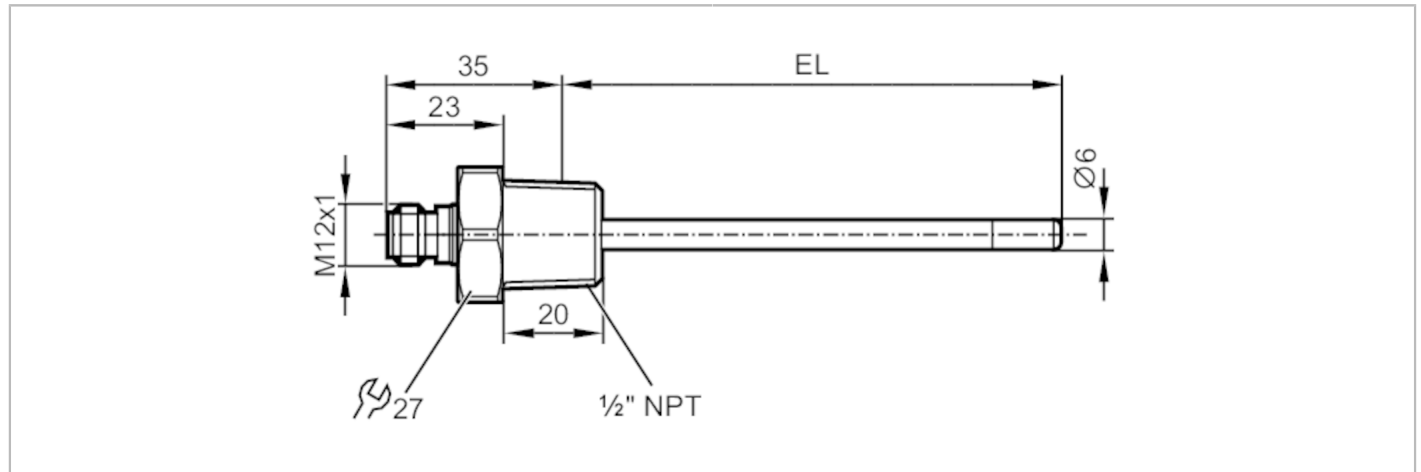


TM4331



Temperature sensor with process connection

TM-100KFBN12- /US/



| Product characteristics | | |
|---------------------------------|--|---------------------|
| Measuring range | -40...150 °C | -40...302 °F |
| Process connection | threaded connection 1/2" NPT external thread | |
| Installation length EL [mm] | 100 | |
| Application | | |
| Special feature | Gold-plated contacts | |
| Measuring element | 1 x Pt 100; (to DIN EN 60751, class A) | |
| Media | liquids and gases | |
| Pressure rating | 160 bar | 16 MPa |
| Minimum installation depth [mm] | 15 | |
| Electrical data | | |
| Protection class | III | |
| Measuring/setting range | | |
| Probe length L [mm] | 92 | |
| Measuring range | -40...150 °C | -40...302 °F |
| Accuracy / deviations | | |
| Accuracy [K] | ± (0,15 K + 0,002 x t) | |
| Response times | | |
| Dynamic response T05 / T09 [s] | 1 / 3; (to DIN EN 60751) | |
| Operating conditions | | |
| Ambient temperature [°C] | -25...80 | |
| Storage temperature [°C] | -40...100 | |
| Protection | IP 68; IP 69K | |
| Tests / approvals | | |
| Shock resistance | DIN EN 60068-2-27 | 50 g (11 ms) |
| Vibration resistance | DIN EN 60068-2-6 | 10 g (10...2000 Hz) |
| MTTF [years] | 22831 | |
| Mechanical data | | |
| Weight [g] | 144.5 | |

TM4331



Temperature sensor with process connection

TM-100KFBN12- /US/

| | | |
|--------------------------|------|--|
| Housing | | cylindrical |
| Dimensions | [mm] | Ø 30 / L = 135 |
| Materials | | stainless steel (316L/1.4404) |
| Materials (wetted parts) | | stainless steel (316L/1.4404) |
| Process connection | | threaded connection 1/2" NPT external thread |
| Probe diameter | [mm] | 6 |
| Installation length EL | [mm] | 100 |

| Remarks | |
|---------------|--|
| Remarks | operating voltage "supply class 2" according to cULus The values for accuracy apply to flowing water. |
| Pack quantity | 1 pcs. |

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

