

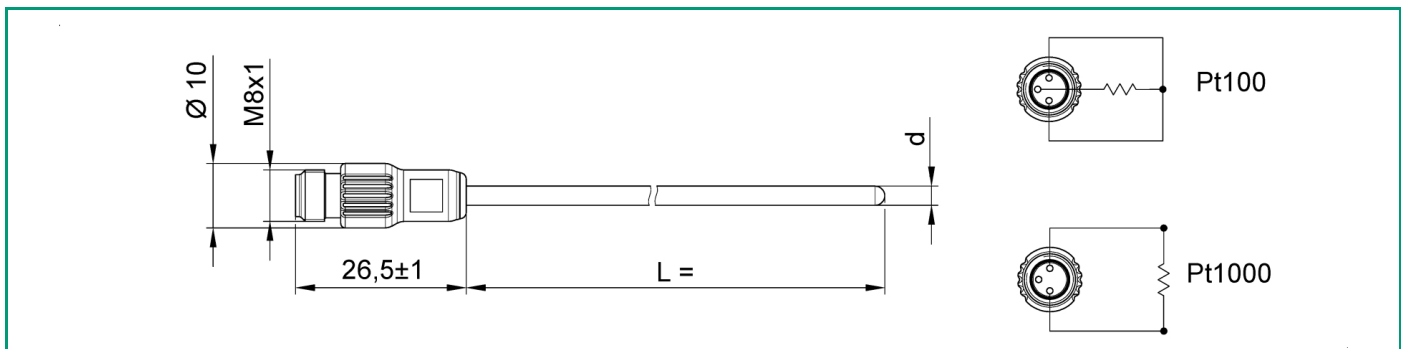
TRSV8L1

Rev. 1 - 08/12/2022

RTD "CRYOGENIC USE" WITH M8 CONNECTOR

Thermoresistance thermometer with 3 poles M8 connector, combines the advantages of the connector with those of the " transition "

- single RTD Pt 100 cl.B
- Moulded IP67 connector
- bendable compact mineral insulated construction (M.I.C.) Ø 3 mm
- suitable for temperatures -200÷ 500°C (CRYOGENIC USE)



TECHNICAL SPECIFICATION

| | |
|---|--|
| Sensing element | Pt100 range -200÷500 °C |
| Sensing Element configuration | single 3-wire |
| Accuracy class in accordance to IEC751 (*) (*) The accuracy class is valid only in the temperature range indicated by the norm | cl. B |
| Operating range | -200 ÷500°C |
| Sheet material | AISI 316L |
| Sheath diameter d | Ø 3 mm |
| Response time (*) (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step | < 3,5 seconds |
| M.I.C. min. bending radius | 3 times the outer diameter (except the sensing tip which length is ~30 mm) |
| Insulation resistance | 100 M Ω@ 100 Vdc. |
| Stem length L | 250 mm 300 mm 350 mm 500 mm |

TECHNICAL SPECIFICATION

| | |
|--|---|
| Dimensional notes | Lengths other than those listed can be produced for minimum quantities to be agreed (after our feasibility study) |
| Type of connector | male 3-pin connector with M8x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS) |
| Connection body material | POLYAMYDE (MOULDED) |
| Maximum connector temperature | 120°C |
| Marking | marked with calibration value at 0 °C, production date and traceability code |
| International protection marking (*) (* According to IEC 60529) | IP67 |
| FCM Prescriptions | Before the use is required to wash the food contact areas |
| Contact food type | all the foods |
| Materials in contact with food | AISI 316L |
| Type of contact | continuous |
| Area suitable for contact | stem for a maximum length of 1 m (measured from the tip) |
| Contact food temperature range | -40 ÷ 150°C |
| Maximum working pressure | PN 100 BAR |