

Datasheet

5x2Pt1000B-850°C

131041

Summary

This platinum temperature sensor element is characterized by its high temperature resistance and is therefore used in the automotive and industrial sector.

Dimensions in mm

| | | | | | |
|--|-----------|----------|----------------------|-----------|------------|
| | L | B | L₁ | H | Ø |
| | 5,0 ± 0,2 | 2 ± 0,2 | 7 ± 1 | 1,2 ± 0,2 | 0,2 ± 0,01 |

Technical specifications

| Nominal resistance R ₀ at 0°C | Specification | Tolerance | Order Number | Item Number |
|---|---------------|---------------|------------------|-------------|
| 1000 Ω | DIN EN 60751 | F 0,3 (DIN B) | 5x2Pt1000B-850°C | 131041 |

Temperature range:

-200 ° C to +850 ° C

Validity of tolerance F 0.3: -200 ° C to +600 ° C

Temperature coefficient:

TK = 3850 ppm / K

Connecting wires:

PtNi coated wire, suitable for welding, crimping and soft / hard soldering

Long-term stability:

max. 0.04 % after 1,000 hours at maximum working temperature

Recommended measuring current:

0.1 mA to 0.3 mA (consider self-heating)

Note:

Please refer to our application and installation instructions.

RoHS compliant