

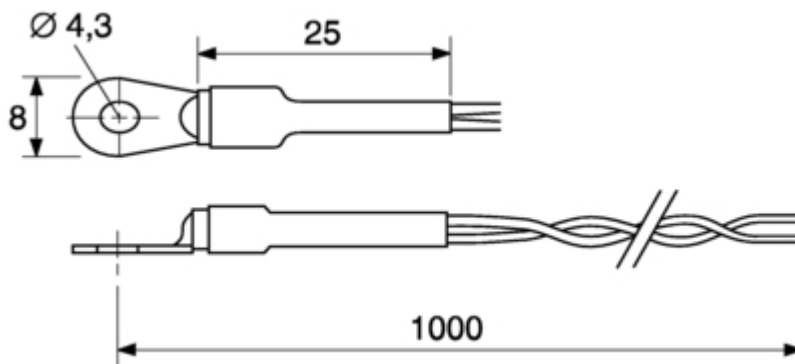
Surface thermometer with eye, Pt100

Thin-film Pt100 with Teflon-insulated connecting cable
Fastening eye, M4 ring terminal, inner diam. 4.3 mm,
with internally fitted sensor Element type M422. Screw-
fastening system.



Technical Data

Length	35 mm
Accuracy	Class B
Lead length	1 m
Circuit type	2-lead
Dimensions (w x l)	8 x 35 mm
Measuring range	0...+250 °C
Response time t_{50}	12 s



Distrelec Art.-Nr.: 245891
Elfa Stock. No.: 76-691-20
Typ: PT100 CRIMP RING 4.3MM

M222, Pt Temperature Sensor according to DIN EN 60751

Temperature range -70 °C to +500 °C, temporary up to +550 °C

Long-Term Stability

The drift of the resistance value at 0 °C after a storage for 1000 hours in air at the declared upper temperature limit is not more than the tolerance value of the declared tolerance class according DIN EN 60751.

Typical drift of R(0 °C) is 0.04 % after 1000 hours at +500 °C.

Self-Heating

0.4 K/mW at 0 °C

Insulation Resistance

> 100 MΩ at 20 °C

> 2 MΩ at 500 °C

Vibration Resistance

At least 40 g acceleration at 10 to 2000 Hz, depends on installation

Shock Resistance

At least 100 g acceleration with 8 ms half sine wave, depends on installation

Connection Technology

Welding, Crimping, Brazing

Lead Type

Pt clad Ni-wire

Tensile Strength of Leads

≥ 9N

Packaging

Blister reel, Plastic bag

Alternative packaging forms on request.

Storage Life

Min. 12 months (in original packaging)

Note

Other tolerances, values of resistance and wire lengths are available on request.

Due to random sample measurements, a bending of connection wires may occur (called V-shape). This bending is batch-dependent and has no influence on the functionality of the platinum measuring resistor.

California Proposition 65



WARNING

WARNING: This product can expose you to chemicals including lead oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm, and including cobalt oxide, nickel and cobalt, which are known to the State of California to cause cancer.

For more information go to www.p65warnings.ca.gov

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