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JUMO Process Control, Inc.

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Push-in resistance thermometers with connecting cable

- for temperatures from -50 to +400°C
- as single or twin resistance thermometer
- in 2-wire, 3-wire or 4-wire circuit
- connecting cable in PVC, silicone, PTFE, or with metal braiding

Push-in resistance thermometers are preferred for measuring temperatures in liquids and gases. Applications include HVAC and refrigeration, heating installations, ovens, plant engineering, and laboratories.

Depending on the version, the connecting cables are suitable for dry or humid areas within the range -50 to +350°C. The connection of the cable to the protection tube incorporates strain relief. A cable protector can be supplied as an option.

The measuring insert is normally fitted with a Pt100 temperature sensor to EN 60 751, Class B in 2-wire circuit. Versions with Pt500 or Pt1000 are also available. Furthermore, there is a choice of 3-wire and 4-wire circuit connections.



Technical data

Connection

Connecting cable

cable ends available as: bare wires, with ferrules, receptacles or multipole connectors

PVC, ambient temperature -5 to +80°C (+100/+105°C)

silicone, ambient temperature -50 to +180°C

PTFE, ambient temperature -190 to +260°C

metal braiding, ambient temperature -50 to +350°C

a shielded connecting cable can be supplied as an option

stainless steel 1.4571, 5mm, 5.2mm, 6mm and 8mm dia.

Protection tube

Measuring insert

Pt100 temperature sensor, EN 60 751, Cl. B, 2-wire circuit

Response times

$t_{0.9}$ approx. 10sec, in water 0.2 m/sec, 6mm dia.

Accessories

pocket, see Data Sheet 90.9721 and 90.2440

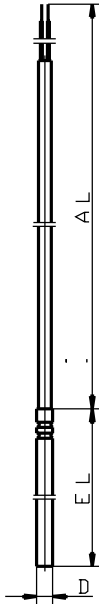
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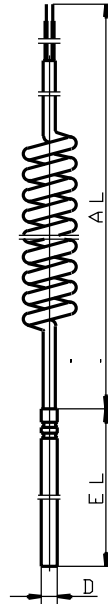
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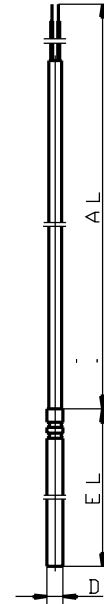
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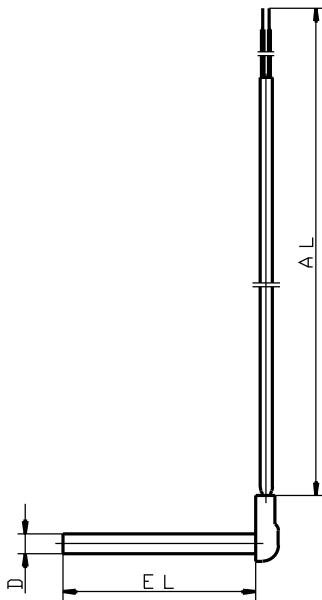
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