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**FLAT CABLE-MOUNTED THERMOMETER FOR MOTOR GROOVE**

- flat design (to be mounted in a motor groove)
- optional dimensions
- max. +180°C (class „H“)

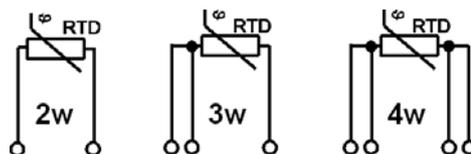


PT33 has been designed for mounting into a stator groove in a large electric rotating machines. The sensor is cemented into a glass-textile plate. It is protected from outside by means of a special shrinking sleeve.

A Pt100 temperature sensing element according to DIN EN 60751, class A in 2-wire circuit is used as a measuring insert by default. Versions with Pt500 Pt1000 or Ni1000 are also possible. The connection is also available in 3-wire and 4-wire circuits as an option. Mechanical dimensions as well as the leads length may be customized.

<b>Technical data:</b>	Temperature sensor:	Pt100/A or B, Pt1000, Ni1000, KTY, PTC etc.
	Measuring range:	-40...+180°
	Measuring current:	max. 2mA
	Accuracy:	„A“ or „B“ according to DIN-IEC751
	Long-term stability:	+/-0,1°C / 6000 hours
	Responsive time:	t = c. 15sec
	Material:	glass-textile plate + teflon shrinking sleeve
	Mechanical ruggedness:	max. 10..500Hz / 49ms <sup>-2</sup> , amplitude 0,4mm
	Leads:	2,5m copper stranded wire 0,35mm <sup>2</sup> , silver plated, with teflon insulation
	Dielectric strength:	1500V, dielectric resistance min. 20MΩ
	Protection (IP code):	IP40

**Connection methods:**



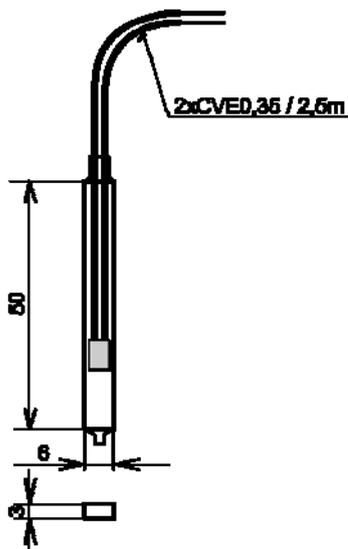
Single sensor, two wire model:	two black wires, no discrimination
Single sensor, three wire model:	black + black, red
Single sensor, four wire model:	black + black, red + red
Two sensor model:	black, black - sensor „A“; red, red – sensor „B“

The wire ends are stripped and tin-plated.

<b>Type tests:</b>	Standard type test:	to ČSN IEC 751
	EMC:	to ČSN EN 61326-1
	Safety: assessed acc.	to ČSN EN 61010-1

<b>Single-part test:</b>	Calibration on 0°C
	Calibration on 180°C
	Quality control

**Dimensions:**



**Your order should include:**

- thermometer type
- dimensions
- accuracy of Pt100 A, B sensor, or other special requirements (Pt100/A is mounted unless otherwise stated)
- cable length and design
- quantity (No. of pieces)

**Purchase order example:**

PT33 3x8x50mm Pt100/A 2w leads 2,5m, 1pc

**Design for SIEMENS:**

Sensor	Leads	Dimensions	Order number
Pt100/A	4x2,5m black/red	3x8x50mm	5486 9417
Pt100/A	3x2,5m black	3x8x50mm	5486 9415
Pt100/A	2x2,5m black	3x6x50mm	5486 9413
Pt100/A	2x5m black	3x6x50mm	5486 9416
Pt100/A	3x4,3m black	3x8x100mm	5486 9411
PTC 130°C	2x2,5m black	3x6x50mm	5486 9132
PTC 145°C	2x2,5m black	3x6x50mm	5486 9134

Any thermometer can be provided with a calibration protocol.