

## Slot Type Resistance Thermometers

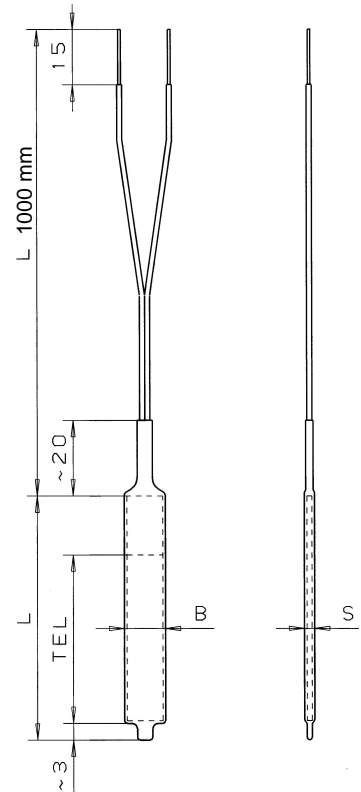
Slot type RTDs are designed for the temperature detection and monitoring of stator-windings of electrical machines (f.e. acc. To VDE 0530-21). Due to the flexible construction this design is also suitable for temperature measurement on flat or uneven surfaces. Slot type RTDs are generally resistant to mechanical strain and deformation. The resistance characteristics is neither influenced by assembling of the RTDs into the stator windings nor by bending onto curved surfaces.

Construction: A platinum thin-film RTD is located into a groove of the insulated by a shrink hose. Part approval of the PTB (Physikalisch Technische Bundesanstalt) of Braunschweig. PTB 03 ATEX 2162 U.

Dimensions				Order No.
B +/- 0,3 mm	L +/- 0,2 mm	TEL mm	S +/- 0,2 mm	
8	63	5	2	37 957 062
8	200	5	2	37 957 081

TEL: Temperature sensitive length

<b>Specification</b>	DIN EN 60751
<b>Nominal resistance <math>R_0</math></b>	100 Ohm at 0 °C
<b>Tolerance</b>	DIN EN 60751, class B
<b>Temperature range</b>	- 50 °C to + 180 °C
<b>Temperature coefficient</b>	Tk = 3850 ppm/K
<b>Leads</b>	Copper stranded conductors AWG20 to AWG24, silver cladded, 0,24 mm <sup>2</sup> , Teflon insul. Other lengths on request.
<b>Disruptive strength</b>	3 kV
<b>Wiring</b>	2-wire connection, 3- and 4-wire connection on request.
<b>Environmental conditions</b>	unhoused for dry environments only
<b>Self heating</b>	100 Ω: 0,25 K/mW at 1mA
<b>Messuring current</b>	0.3 to 1.0 mA (self heating has to be considered)
<b>Note</b>	Other tolerances, values of resistance and wire lengths are available on request.



We reserve the right to make alterations in illustrations and technical data printed. All technical data serves as a guideline and does not guarantee particular properties to any products.

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