

**Applications**

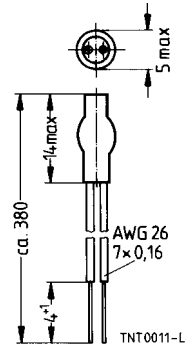
- Electric motors
- Transformers

**Features**

- Coated thermistor disk with shrunk sleeve insulation
- PTFE-insulated wires, AWG 26

**Options**

Alternative resistance ratings, rated temperatures, resistance tolerances and wire lengths available on request



Dimensions in mm  
Approx. weight 5 g

Climatic category (IEC 68-1)		55/155/56	
Max. power at 25 °C	$P_{25}$	200	mW
Resistance tolerance	$\Delta R/R_N$	± 10 %	
Rated temperature	$T_N$	100	°C
B value tolerance	$\Delta B/B$	± 1,5 %	
Dissipation factor (in air)	$\delta_{th}$	approx. 5	mW/K
Thermal cooling time constant (in air)	$\tau_c$	approx. 30	s
Heat capacity	$C_{th}$	approx. 150	mJ/K
Insulation resistance ( $V = 100$ Vdc)	$R_{is}$	> 100	MΩ
Test voltage ( $t = 1$ s)		2,5	kV

Type	$R_{100}$ Ω	$R_{25}$ Ω	No. of R/T characteristic	$B_{25/100}$ K	Ordering code
K 227/33 k/A1	1,8 k	32,762 k	<a href="#">2904</a>	4300	B57227-K333-A1

**Reliability data**

Test	Standard	Test conditions	$\Delta R_{25}/R_{25}$ (typical)	Remarks
Storage in dry heat	IEC 60068-2-2	Storage at upper category temperature T: 125 °C t: 1000 h	< 2 %	No visible damage
Storage in damp heat, steady state	IEC 60068-2-3	Temperature of air: 40 °C Relative humidity of air: 93 % Duration: 56 days	< 1 %	No visible damage
Rapid temperature cycling	IEC 60068-2-14	Lower test temperature: – 55 °C Upper test temperature: 155 °C Number of cycles: 10	< 1 %	No visible damage
Endurance		$P_{\max}$ : 200 mW Duration: 1000 h	< 2 %	No visible damage
Long-term stability (empirical value)		Temperature: 155 °C Duration: 10 000 h	< 3 %	No visible damage