

## Datasheet

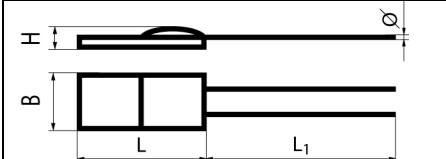
## 2x2,2Pt1000-1/3B

## 133003

### Summary

This platinum temperature sensor element is characterized by its excellent price-performance and is therefore used in mass markets.

### Dimensions in mm

	L	W	L <sub>1</sub>	H	Ø
	2,3 ± 1,5	2,1 ± 0,2	10 ± 1	0,9 + 0,3 - 0,2	0,2 ± 0,02

### Technical specifications

Nominal resistance R <sub>0</sub> at 0 °C	Specification	Tolerance	Order Number	Item Number
1000 Ω	DIN EN 60751	F 0,1 (DIN 1/3B)	2x2,2Pt1000-1/3B	133003

Temperature range:	-70 °C to +500 °C in continuous operation (briefly up to 550 °C possible)		
	Validity of tolerance F 0,1: 0 °C to + 500 °C		
Temperature coefficient:	TK = 3850 ppm/K		
Connecting wires:	NiPt coated wire, suitable for crimping, welding and brazing		
Long-term stability:	max. R <sub>0</sub> -drift 0.04 % after 1000 h 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 8ms half sine wave, depends on installation		
Environmental conditions:	unprotected only in dry environments		
Insulation resistance:	> 100 MΩ at 20 °C; > 2 MΩ at 500 °C		
Self-heating:	0.4 K / mW at 0 °C		
Response:	water current (v = 0.4 m/s):	t <sub>0,5</sub> = 0.05 s	t <sub>0,9</sub> = 0.15 s
	Air flow (v = 2 m/s):	t <sub>0,5</sub> = 3,0 s	t <sub>0,9</sub> = 10.0 s
Measuring current:	0.1 to 3 mA (consider self-heating)		
Measuring point:	8 mm from the end of the sensor element body		
Packaging:	Taped		
<b>Note:</b>	<b>Please refer to our application and installation instructions.</b>		
RoHS compliant			

We reserve the right to make technical changes. All technical data serves as information and does not guarantee properties.

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