

## Datasheet

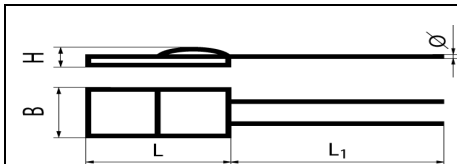
## 2,4x2Pt100B-AuNi

## 111012

### Summary

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

### Dimensions in mm

	<b>L</b>	<b>W</b>	<b>L<sub>1</sub></b>	<b>H</b>	<b>Ø</b>
	2,3 ± 0,2	2 ± 0,15	10 ± 1	1,1 ± 0,15	0,25 ± 0,01

### Technical specifications

nominal resistance R <sub>0</sub> at 0°C	Specification	Tolerance	Order Number	Item Number
100 Ω	DIN EN 60751	F 0,3 (DIN B)	2,4x2Pt100B-AuNi	111012

Temperature range:	-50 °C to +600 °C in continuous operation Validity of tolerance F 0,3: -50 °C to +600 °C	
Connecting wires:	AuNi-wire, suitable for crimping, welding and brazing	
Environmental conditions:	unprotected only in dry environments	
Insulation resistance:	> 100 MΩ at 20 °C; > 2 MΩ at 500 °C	
Self-heating:	0.5 °C/mW	
Response:	water current (v = 0.4 m/s):	τ <sub>0,9</sub> =0,2 s
	Air flow (v = 2 m/s):	τ <sub>0,9</sub> =10 s
Measuring current:	max. 1,4 mA (consider self-heating)	
Packaging:	loose in bag / vacuum packed	

**Note:** Please refer to our application and installation instructions.

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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