



## Datasheet

## 2x2,0Pt100A-AgPd-L P

112016

### Summary

Dieses Platin-Temperatursensorelement zeichnet sich durch seine Baugröße aus, die eine manuelle Verarbeitung ermöglicht bzw. erleichtert.

### Dimensions in mm

	L	B	L <sub>1</sub>	H	Ø
	2,3 ± 0,15	1,9 ± 0,2	10 ± 1	0,9 ± 0,2	0,25 ± 0,02

### Technical specifications

Nominal resistance R <sub>0</sub> at 0°C	Specification	Tolerance	Order Number	Item Number
100 Ω	DIN EN 60751	F 0,15 (DIN A)	2x2,0Pt100A-AgPd-L P	112016

Temperature range:	-50 ° C to +400 ° C in continuous operation	
	Validity of tolerance F 0.15: -50 ° C to + 300 ° C	
Temperature coefficient:	TK = 3850 ppm / K	
Connecting wires:	AgPd coated wire, suitable for crimping, welding and brazing	
Long-term stability:	max. R <sub>0</sub> -drift 0.04 % after 1000h 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 400 ° C	
Self-heating:	0.3 K / mW at 0 ° C	
Response:	water current (v = 0.4 m / s):	= 0.07 s      = 0.20 s
	Air flow (v = 2 m / s):	= 3.2 s      = 11.0 s
Measuring current:	0.3 to 1 mA (consider self-heating)	
Measuring point:	8 mm from the end of the sensor element body	
Packaging:	loose packed in bag / vacuum.	
<b>Note:</b>	<b>Please refer to our application and installation instructions</b>	
RoHS compliant		

Technische Änderungen behalten wir uns vor. Alle technischen Angaben sind Beschaffenheitsangaben und sichern keine Eigenschaften zu.

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