

Datasheet

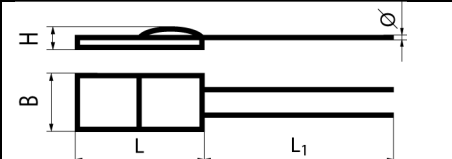
2,4x2Pt100-1/10B-AuNi

115003

Summary

Dieses Platin-Temperaturseensorelement zeichnet sich durch seine sehr hohe Genauigkeit aus.

Dimensions in mm

	L	B	L₁	H	Ø
	2,4 ± 0,2	2 ± 0,15	10 ± 1	1,4 ± 0,15	0,25 ± 0,01

Technical specifications

Nominal resistance R ₀ at 0°C	Specification	Tolerance	Order Number	Item Number
100 Ω	DIN EN 60751	F 0,03 (DIN 1/10B)	2,4x2Pt100-1/10B-AuNi	115003

Temperature range:	-20 ° C to +200 ° C in continuous operation Validity of tolerance F 0.03: 0 ° C to +200 ° C
Temperature coefficient:	TK = 3850 ppm / K
Connecting wires:	AuNi - coated wire, suitable for welding, crimping and brazing
Self-heating:	0.25 ° C / mW
Response:	water current (v = 0,4 m / s) : τ _{0,9} = 0.4 s Air flow (v = 1 m / s): τ _{0,9} = 20 s
Measuring current:	1,1 mA (consider self-heating)
Measuring point:	8 mm from the end of the sensor element body
Packaging:	loose in bag / vacuum packed
Note:	Please refer to our application and installation instructions.
RoHS compliant	

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

Version 1.0 vom 10/2011

