

Datasheet

4x1Pt100B-AuNi

111052

Summary

This platinum temperature sensor element is characterized by its fast response and its small size.

Dimensions in mm

	L	B	L ₁	H	Ø
	4,0 ± 0,2	1,0 ± 0,15	10 ± 1	1,05 ± 0,15	0,20 ± 0,01

Technical specifications

Nominal resistance R ₀ at 0°C	Specification	Tolerance	Order Number	Item Number
100 Ω	DIN EN 60751	F 0,3 (DIN B)	4x1Pt100B-AuNi	111052

Temperature range:	-50 ° C to +600 ° C in continuous operation Validity of tolerance F 0.3: -50 ° C to +600 ° C
Temperature coefficient:	TK = 3850 ppm / K
Connecting wires:	AuNi - coated wire, suitable for welding, crimping and brazing
Self-heating:	0.6 ° C / mW
Response:	water current (v = 0.4 m / s) : τ _{0,9} = 0.15 s Air flow (v = 1 m / s): τ _{0,9} = 8 s
Measuring current:	1.2 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	