

Datasheet

3x0,8Pt100-1/3B-7Pt

112027

Summary

This platinum temperature sensor element is characterized by its small size and is therefore used in the smallest applications.

Dimensions in mm

	L	B	L ₁	H	Ø
	3,0 ± 0,2	0,8 ± 0,2	7 ± 1	0,6 ± 0,2	0,15 ± 0,01

Technical specifications

Nominal resistance R ₀ at 0°C	Specification	Tolerance	Order Number	Item Number
100 Ω	DIN EN 60751	F 0,1 (DIN 1/3B)	3x0,8Pt100-1/3B-7Pt	112027

Temperature range:

-200 ° C to +600 ° C

Validity of tolerance F 0.1: -50 ° C to +150 ° C

Temperature coefficient:

TK = 3850 ppm / K

Connecting wires:

platinum wire, suitable for welding, crimping and soft / hard soldering

Long-term stability:

< 0.04 % after 1,000 hours at maximum working temperature

Recommended measuring current:

1 mA (consider self-heating)

Note:

Please refer to our application and installation instructions.

RoHS compliant