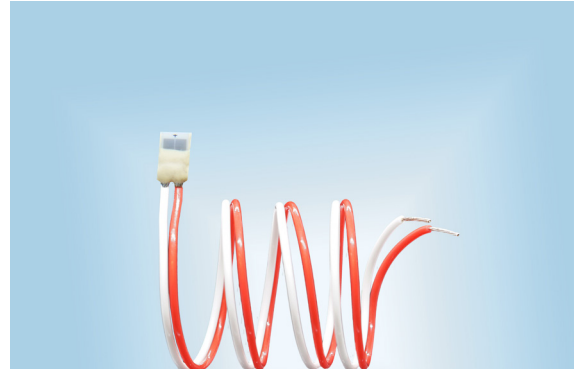




Platinum temperature sensor with long PTFE-insulated stranded wires

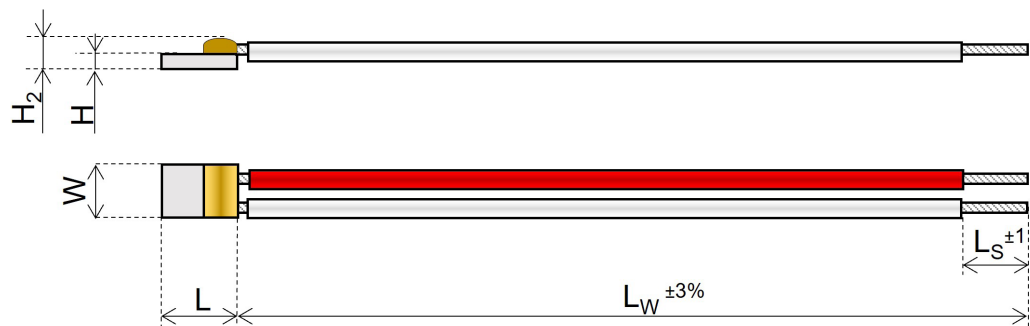
For low temperatures



Benefits & Characteristics

- Excellent long-term stability
- Long isolated stranded wires, suitable for connector assembly
- Fast delivery times
- Color coding acc. to IEC 60751 standard
- Miniaturized form factor
- No connection points

Illustration¹⁾



1) For actual size, see dimensions

Technical Data

Operating temperature range:	-50 °C to +200 °C	
Nominal resistance:*	1000 Ω at 0 °C	
Characteristics curve:*	3850 ppm/K	
Long-term stability:	< 0.04 % at 1000 h at maximal operating temperature	
Tolerance class (dependent on temperature range):*	IST AG reference	
	IEC 60751 F0.15	A
	IEC 60751 F0.3	B
Connection:*	Cu/Ag-stranded PTFE-insulated wire (1x red, 1x white, AWG30/19, ends stripped)	



Wire length (L_w):	see order information
Stripping length (L_s):	5 mm
Recommended applied current: ¹⁾	0.3 mA at 1000 Ω

¹⁾Self-heating must be considered

* Customer-specific alternatives available

Order Information

Nominal resistance: 1000 Ω at 0 °C

Size	Dimensions (L x W x H / H2 in mm) L \pm 0.2 mm, W \pm 0.2 mm, H \pm 0.1 mm, H2 \pm 0.3 mm	F0.15 (class A)	F0.3 (class B)
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2L (Cu/Ag-stranded wire, AWG30/19, PTFE-insulated), 300 mm

216	2.5 x 1.6 x 0.65 / 1.1	P1K0.216.2L.A.300	P1K0.216.2L.B.300
Order code		154586	154587

2L (Cu/Ag-stranded wire, AWG30/19, PTFE-insulated), 500 mm

216	2.5 x 1.6 x 0.65 / 1.1	P1K0.216.2L.A.500	P1K0.216.2L.B.500
Order code		upon request	upon request

2L (Cu/Ag-stranded wire, AWG30/19, PTFE-insulated), 1000 mm

216	2.5 x 1.6 x 0.65 / 1.1	P1K0.216.2L.A.1000	P1K0.216.2L.B.1000
Order code		upon request	upon request

Additional Documents

	Document name:
Application Note:	ATP_E

