

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

Illustration¹⁾

- Color coding acc. to IEC 60751 standard
- Miniaturized form factor
- No connection points

T L_W ±3%

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	А
	IEC 60751 F0.3	В
Connection:*	Cu/Ag-stranded PTFE-insulated wire (1x red, 1x white, AWG30/19, ends stripped	





physical. chemical. biological.

Wire lengt	:h (L _w):	see order information	
Stripping l	ength (L _s):	5 mm	
Recomme	nded applied current:1)	0.3 mA at 1000 Ω	
	nust be considered		
* Custome	er-specific alternatives available		
Order Ir	nformation		
Nominal	resistance: 1000 Ω at 0 °C		
Size	Dimensions (L x W x H / H2 in mm)	F0.15 (class A)	F0.3 (class B)
	L ±0.2 mm, W ±0.2 mm,		
	H ±0.1 mm, H2 ±0.3 mm		
2L (CU//	Ag-stranded wire, AWG30/19, P	(TFE-Insulated), 300 mm	
216	2 5 x 1 6 x 0 65 / 1 1		P1K0.216.2L.B.300
Order cod		P1K0.216.2L.A.300 154586	154587
Order cou	e	154560	154567
21 (Cul	A a strandad wire ANAC 20/10 D	TEE inculated) E00 mm	
2L (CU//	Ag-stranded wire, AWG30/19, P	TFE-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 cod		upon request	upon request
		aponrequest	aponrequest
21 (Cu/	Ag-stranded wire, AWG30/19, P	TEF-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 cod	e	upon request	upon request
		1	1
Additio	nal Documents		
		Document name:	
Applicatio	n Note:	ATP_E	
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