

## RT-Series - Ring Terminal Pt Temperature Sensor

Temperature range -50 °C to +260 °C

### Performance Characteristics

- Sensing element electrically isolated with dielectric strength of 3 kV AC
- Ring terminal tip material stainless steel
- Protected IP69
- Eyelet configuration to fit M3 screw size

### Application Examples

- BEV / HEV Bus Bars
- Charging Guns / Infrastructure
- HVAC
- Heat sinks
- Motor and bearing casings

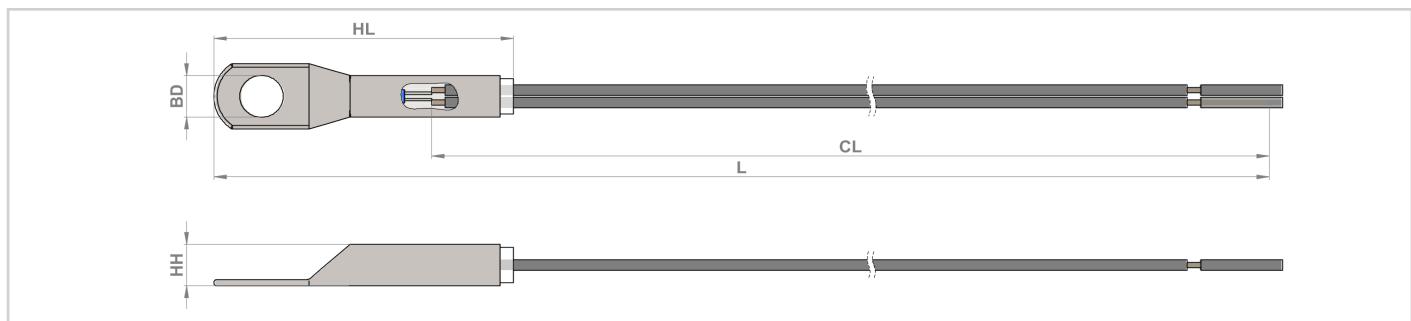


Image for illustration purposes only

### Dimensions and Materials

No.	Product Type	Element Resistance $R_0$ [Ω]	Dimensions (mm)					Conductor			Order Number
			BD	HL	HH	CL	L	Core (AWG)	Insulation	Color	
1	RT2150-B32	Pt100 / F 0.3	3.2 +0.2/-0	22 +4/-0	3.2 ±0.3	250 ±10	266 ±10	26/07 NPC	PTFE	Black	5203018
2	RT2150-B32	Pt1000 / F 0.3	3.2 +0.2/-0	22 +4/-0	3.2 ±0.3	250 ±10	266 ±10	26/07 NPC	PTFE	Black	5203017

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### Performance Data

No.	Temperature Range	Housing Material	Dielectric Strength AC (Housing)	Response Time Water (v = 0.3 m/s)		Pull Force [N]	Conductor Resistance [Ω/m]	Application
				T0.5 [s]	T0.9 [s]			
1	-50 °C to +260 °C	Stainless Steel	3000 VAC, 60 s	5.7	16.2	>30	0.138 ±25%	Multi-Purpose
2	-50 °C to +260 °C	Stainless Steel	3000 VAC, 60 s	5.7	16.2	>30	0.138 ±25%	Multi-Purpose

### Temperature Coefficient

TCR = 3850 ppm/K

### Measuring Current

Pt100 Ω: 0.3 to 1.0 mA

Pt1000 Ω: 0.1 to 0.3 mA

(self-heating has to be considered)

### Self-Heating (Sensor Element)

0.4 K/mW at 0 °C

### Customization Options

- All outer dimensions
- Conductor size and material
- Sensor resistance
- Connectors
- Certifications (e.g. IMDS, PPAP, IP rating)

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RoHS  
compliant

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YAGEO Nexenos GmbH, Reinhard-Heraeus-Ring 23, 63801 Kleinostheim, Germany