

## PRODUCT OVERVIEW

**YAGEOs Ring Terminal Temperature Sensor** consists of a Pt sensor element mounted in an eyelet tag for fast and accurate surface temperature measurement. The sensor is designed for use in environments where precise temperature control and monitoring are critical. With an **operating range from -50 °C to 260 °C** and **high dielectric strength of 3 kV**, the sensor is ideal for applications for BEV & HEV Bus bars, EV charging and industrial automation.

### Quick Facts

**Nominal resistance:** Pt 100 or Pt 1000

**Class:** F 0.3 (B) according to DIN EN 60751

**Operating temperature:** -50 °C to 260 °C

**Housing:** M3 Eyelet tag, stainless steel

### Contact & Information

For special requests (custom designs, etc.), [contact](#) regional Product Managers.



## Sensors

### Temperature

## Ring Terminal Series: RT2150



### Key Selling Points

#### Features

**Dielectric strengths  $\geq 3$  kV AC**

**Protection class IP69**

**Cable pull force min. 30 N**

**1000h @260°C tested**

**M3 Eyelet housing**

**Custom Designs Available**

#### Customer Value

Electrical safety to prevent breakdowns

Reliability in harsh conditions

Resistant against harsh operations

Highly durable and long-term stability over lifetime

Ease of installation and integration

Flexibility for OEM-specific requests

#### Target Applications

- **Charging Infrastructure**
- **BEV / HEV bus bars**
- **Heat sinks**
- **Motor and bearing casings**

#### Market Advantages

- **Enhanced Safety Compliance:** Dielectric strength  $\geq 3$  kV AC supports use in high-voltage environments and meets safety standards for EV and industrial applications
- **Reduced Downtime:** Proven durability with testing ensures long-term reliability
- **Differentiation in High-Voltage Applications:** Ideal for BEV/HEV bus bars, offering a competitive edge over standard temperature sensors