Product Brief | New-to-Market

Sensors

Temperature

Ring Terminal Series: RT2150

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.

Key Selling Points

Features	Customer Value
Dielectric strengths ≥ 3 kV AC	Electrical safety to prevent breakdowns
Protection class IP69	Reliability in harsh conditions
Cable pull force min. 30 N	Resistant against harsh operations
1000h @260°C tested	Highly durable and long-term stability over lifetime
M3 Eyelet housing	Ease of installation and integration
Custom Designs Available	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 ≥ 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