General type stator winding RTD

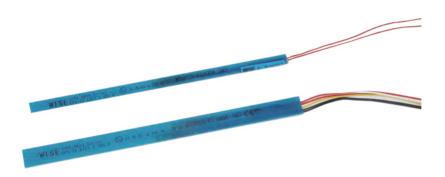
Model: R830 series

Spec. sheet no. RD08-03

Service intended

The purpose of the stator winding RTD is to mainly detect and prevent overheating of motors. It is inserted between a stator and a slot to measure a temperature. Stator winding RTD uses the phenomenon of changing electric resistance to measure a temperature. Since it has high stability and sensitivity, it is used to measure a temperature precisely. Furthermore, it is made of a nonmetallic material, and, therefore, it has a structure of protecting element. It is designed well enough to get flexibility and to endure vibration and high pressure.





Standard features

Body material

High temperature epoxy glass

Temperature limit

Class F : 155 °C (311 °F) Class H : 180 °C (356 °F)

Lead wires

3 wire or 4 wire, copper, AWG #22 (With FEP or polyimide insulation)

Ambient temperature

Tamb = -50 ~ 180 °C

Working temperature

-50 ~ 180 °C



Main order

Ordering information

1. Base model

- R831 RTD single element 3 wire
- R832 RTD double element 6 wire
- R833 RTD single element 3 wire with shield wire
- R834 RTD double element 6 wire with shield wire
- R835 RTD single element 4 wire
- R836 RTD double element 8 wire
- R837 RTD single element 4 wire with shield wire
- R838 RTD double element 8 wire with shield wire

2. Explosion proof type

N N/A

3. Element

- 1 Platinum (0.00385 TCR), Class "AA" EN 60751
- 2 Platinum (0.00385 TCR), Class "A" EN 60751
- 3 Platinum (0.00385 TCR), Class "B" EN 60751
- 0 Other

4. Temperature limited

- F Class F, 155 °C (311 °F)
- H Class H, 180 °C (356 °F)

5. Body thickness

A1 0.079" (2.0 mm)

6. Body length (mm)

- 1 6 (W) x 155 (L) Single element
- 2 11 (W) x 155 (L) Double element
- 0 Other Min. 6 (W) ~ Max. 14 (W) x Min. 155 (L)

7. Lead wire insulation

- F FFP
- O Other

8. Lead wire length (m)

- **L1** 1
- **L2** 2
- **L3** 3
- **L4** 4
- **L5** 5
- L0 Other (Min. 300 mm)

9. Lead wire color

- F EN code
- K KS code
- Z Other

10. Option

- T Twisted type lead wire
- **Z** Other



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Sample ordering code