

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.

EAC



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 #24 (With FEP or polyimide insulation)

Ambient temperature

Tamb = -50 ~ 180 °C

Working temperature

-50 ~ 180 °C

WISE[®]

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** FEP
- 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

- E** EN code
- K** KS code
- Z** Other

10. Option

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

Sample ordering code

1	2	3	4	5	6	7	8	9	10
R831	N	2	H	A1	1	F	L3	K	T



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