

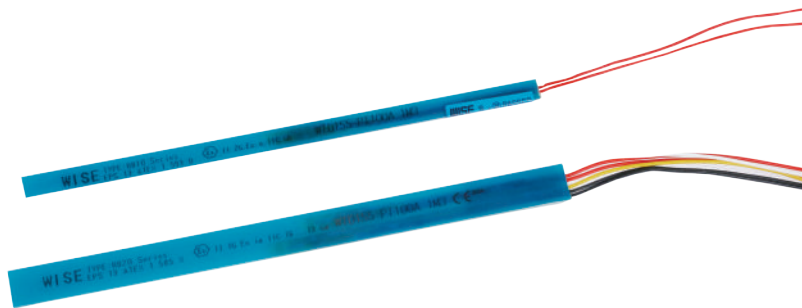
# General type stator winding RTD

## 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 (0.35 mm<sup>2</sup> , with PTFE or polyimide insulation)

#### Ambient temperature

Tamb = -50 ~ 180°C

#### Working temperature

-50 ~ 180°C

**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 - 4 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)
- B1** 0.098" (2.5 mm)
- C1** 0.118" (3.0 mm)
- D1** 0.138" (3.5 mm)
- E1** 0.157" (4.0 mm)

**6. Body length**

- 1** 6 mm (W) x 155 mm (L) - Single element
- 2** 11 mm (W) x 155 mm (L) - Double element
- 0** Other - Min. 6 mm (W) ~ Max. 12 mm (W) x Min. 155 mm (L)

**7. Lead wire insulation**

- F** PTFE
- P** Polyimide
- 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** Lead wire twist type
- Z** Other

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

Sample  
ordering code