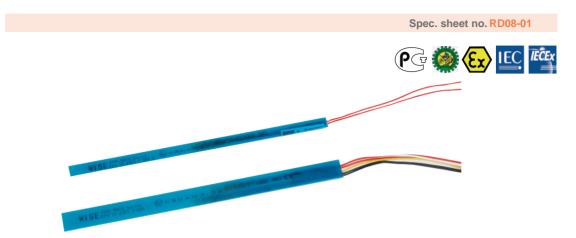
# Increased safety type stator winding RTD Model : R810 series



## Service intended

The purpose of the stator winding RTD is to mainly detect and prevent overheating of motors. It is inserted in 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. Also, it is made of a nonmetallic material, and therefore it has a structure of protecting element. It is designed to get flexibility and 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)

#### Leadwires

3 wire or 4 wire, copper, AWG #22 (0.35 mm<sup>2</sup>, With PTFE or polyimide insulation)

## Ambient temperature

 Tamb =  $-40 \sim 80^{\circ}$ C : T6

 Tamb =  $-40 \sim 130^{\circ}$ C : T4

 Tamb =  $-40 \sim 95^{\circ}$ C : T5

 Tamb =  $-40 \sim 180^{\circ}$ C : T3

## Working temperature

-50 ~ 180°C

## Standard

Explosive atmospheres. Equipment. General requirements IEC 60079-0 / EN 60079-0 : 2009 Electrical apparatus for explosive gas atmospheres. Increased safety "e" IEC 60079-7 / EN 60079-7 : 2007

Explosion proof (ATEX)

Explosion proof (IECEx) Ex e IIC Gb



## **Main order**

## **Ordering information**

#### 1. Base model

- **R811** RTD single element 3 wire
- **R812** RTD double element 6 wire
- R813 RTD single element 3 wire with shield wire
- R814 RTD double element 6 wire with shield wire
- **R815** RTD single element 4 wire
- **R816** RTD double element 8 wire
- **R817** RTD single element 4 wire with shield wire
- R818 RTD double element 4 wire with shield wire

#### 2. Explosion proof type

- A ATEX II 2G Ex e IIC Gb
- B IECEx e IIC Gb

#### 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

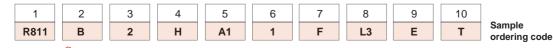
- 1 6 mm (W) x 155 mm (L) Single element
- 2 11 mm (W) x 155 mm (L) Double element
- 0 Other Min. 6 mm (W) ~ Max. 12 mm (W) x Min. 155 mm (L)

#### 7. Lead wire insulation

- F PTFE
- P Polyimide

#### 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