

ANNEXURE-1

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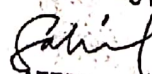
GENERAL SPECIFICATIONS OF R.T.D. WITHOUT THERMOWELL

Features		
Type		Three wire Simplex/ Duplex, complete assembly, as specified in each drawing
Accuracy		$\pm 0.3^{\circ}\text{C}$ at 0°C $\pm 0.8^{\circ}\text{C}$ at 100°C $\pm 1.2^{\circ}\text{C}$ at 200°C as per DIN43760
Response time		5 to 6 seconds
Enclosure		
Protection class		IP54
Head with screwed cover & chain		To be provided by the supplier
Material		
Head		Die cast aluminium (cadmium plated)
Gasket		Heat resistant, moisture proof
Element		Platinum, 100 ohms at 0°C (PT-100) (0.5 mm diameter, silver leads).
Insulation		MgO-insulation
Sheath		SS316
Terminal Block		Made from high quality ceramic to ensure good insulation resistance, spring loaded to ensure good thermal contact. Nickel Plated Brass Terminals (Applicable for RTDs with head)
Chain		SS
Connection		
Type of connection		As specified in each drawing
Element size		18 AWG
Conduit thread size		$\frac{1}{2}$ " NPT (F)
cable entry		$\frac{1}{2}$ " IPT (As applicable)
Sheath thickness		As specified in each drawing
Standard		Resistance bulbs as per DIN 43760, BS-1904 Class-2 (Incorporating latest amendments to date)
Dimensions		
Insertion length (IL)		As specified in each drawing
Extension length (EL)		As specified in each drawing

Note 1: Please co-relate above general specification according to concerned drawing.

Note 2: These RTDs being procured are to be installed on bearings of 6.6 KV drives for measurement & protection of the equipment. These RTDs may be subjected to high vibrations. Therefore, these RTDs must be specially manufactured to withstand high vibration applications.

Note 3: Sample of RTDs will be sent to the successful firm for ensuring proper fitments.


 24/05/22
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