HIGH TENSION RESIN CAST INDOOR POTENTIAL TRANSFORMERS

Documentation

Software

Send Enquiry

DESCRIPTION

Direct measurement of Voltage in high voltage system is not possible because of insulation problem of measuring instruments. It is also not possible to use voltage flowing through the system directly for protection purpose due to its high value and high insulation problem. In such conditions Voltage Transformers are used.

BASIC FUNCTIONS OF VOLTAGE TRANSFORMERS ARE . . .

- To reduce the line voltage to a value which is suitable for standard measuring instruments, relays etc.
- To isolate the Measuring Instruments, Meters, Relays etc. from high voltage side of an installation.
- To sense abnormalities in voltage & give voltage signals to protective relays to isolate the defective system.

FEATURES

The transformers are vacuum encapsulated in epoxy resin, which ensures faultless insulation. Incombustible high-class raw material, together with uniform cast resin bodies, gives the voltage transformers a high mechanical & electrical strength that requires no maintenance. It is advisable to protect the transformers from direct sunlight & access to dust.

ELECTRICAL SPECIFICATIONS

• TYPE	Single Pole Insulated & Double Pole Insulated.
• OPERATING VOLTAGE	Single Pole Insulated 1.1kV, 2.2kV, 3.3kV, 6.6kV, 11kV, 22kV, 33kV.
	Double Pole Insulated 1.1kV, 2.2kV, 3.3kV, 6.6kV, 11kV.
• SECONDARY VOLTAGE	110V, 110 1√3,110V / 3 (others on request).
• RATED BURDEN	50VA, 100VA, 150VA, 200VA (others on request).
• ACCURACY CLASS	0.2, 0.5, 1.0, 3.0, 3P, 6P.
• FREQUENCY	50Hz.

•	OPERATING TEMP.	-10° C to 40° C.
•	SYSTEM CONDITION	Earthed, Unearthed.
•	CONFORMS TO	I.E.C. 186, I.E.C. 60044-2, IS 3156.

MECHANICAL CONSTRUCTION

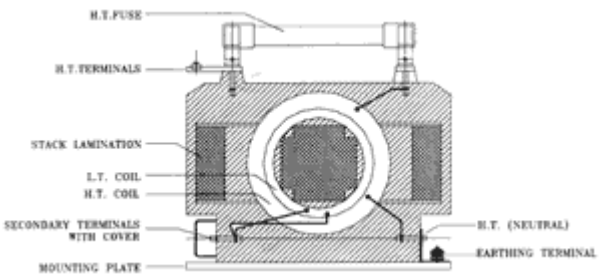

Fig. No. 1

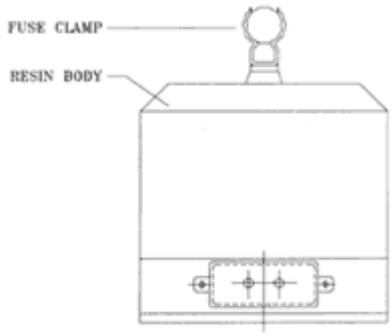

Fig. No. 2

Ordering information

While ordering mention all the Electrical specification required.