

INTEGRATED TRANSFORMER WITH CHOKE



Integrated Transformer with choke is a compact structural combination of a transformer which increases or reduces the voltage and a choke that functions as smoothing choke or a choke working in the filter system.

The purpose of this transformer is to provide a reliable galvanic isolation between load and power line. Subsequently, they also provide protection against electric shocks or neutral connection that is isolated or grounded. The reinforced isolation and the electrostatic screen provides isolation even if the system is subject to severe atmospheric disturbance

Such a combination of the largest magnetic elements in one compact structure makes it possible to significantly reduce the volume and the total weight of the device as compared to the traditional solution. As less material used, lower transport costs, less magnetic elements for maintenance and shorter time of installation are the factors that affect the substantial reduction of a total maintenance cost of a choke transformer.

TECHNICAL SPECIFICATIONS

CAPACITY

- Up to 500kVA

RATED VOLTAGE

- Up to 1000V

RATED FREQUENCY

- 50Hertz
- 60Hertz

AMBIENT TEMPERATURE

- 40°C
- Others upon request

INSULATION CLASSIFICATION

- Class F & H
- Others upon request

REFERENCE STANDARD

- IEC 60076
- IEC 61558

TRANSFORMER CORE MATERIAL

- High grade electrical steel

WINDING CONDUCTORS

- Copper or Aluminium wire
- Copper or Aluminium foils

OPTIONAL ACCESSORIES

- Enclosures up to IP54
- MCCB with or without shunt trip
- Ammeter and Voltmeter
- Temperature controller
- Fan fail detector alarm
- BMS open relay contacts