

Accessories: Isolating transformers



Design examples

HTS 200 - 50



HTS 3000 - 50 3p
Three phase version

Function:

High voltage isolating transformers are used to provide mains supply to loads located on a high voltage potential. The primary winding is earthy.

Features:

- Compact size
- Moulded in artificial resin
- Low capacity
- Double screened

Technical data:

- Input voltage: 230V 47 - 63Hz
- Output voltage: 230V 47 - 63Hz
- Isolation: primary / secondary: 50kV DC
- Test voltage: 75kV DC for 1 min.
- Test voltage between primary winding, primary screen and core: 7.5kV DC
- Test voltage between secondary winding and secondary screen: 7.5kV DC

Design:

- Mechanical design: Core and windings are completely moulded in artificial resin with isolating cross-pieces between the connections. Attachment at the bottom with 4 x M8 female thread.
- Connections: Primary and secondary side by threaded bolts, M6, to top, screen connections on free wire endings.

Special designs:

- Different voltages
- Different isolation voltages
- Higher power
- Three phase versions (see picture above)

Type	Nominal power	Width	Hight	Depth	Weight
HTS 100 - 50	100 VA	165 mm	220 mm	160 mm	15 kg
HTS 500 - 50	500 VA	210 mm	230 mm	200 mm	21 kg
HTS 1000 - 50	1000 VA	210 mm	200 mm	200 mm	25 kg
HTS 2000 - 50	2000 VA	252 mm	260 mm	252 mm	40 kg
HTS 3000 - 50	3000 VA	252 mm	270 mm	250 mm	43 kg