Data Sheet no. 7.81/3

HV Shielding and Connection Electrodes

Application

For shielding and connections of the HV components of test circuits, suitable electrodes should be applied (Fig. 1), especially if the tests are combined with partial discharge (PD) measurement.

For HV shielding toroid electrodes (type TE), double toroid electrodes (type DTE) or multi-segment electrodes (type TSE) are used. Multi-segment electrodes allow the adaptation to very different types of components (Fig. 2).
Standard HV shielding electrodes are obtainable up to 1000 kV (peak value). For higher voltages applicable shielding electrodes will be offered on request.

For HV connections cylinder electrodes (type VE) and flexible electrodes (type VEF) are deliverable.
Standard cylinder electrodes with a diameter of 60 mm, 125 mm or 250 mm are available for peak voltages up to 1000 kV.
Moreover there are flexible HV electrodes with a diameter up to 300 mm for peak voltages up to 600 kV.

Fig. 1: Shielding and connection electrodes of a HV test system

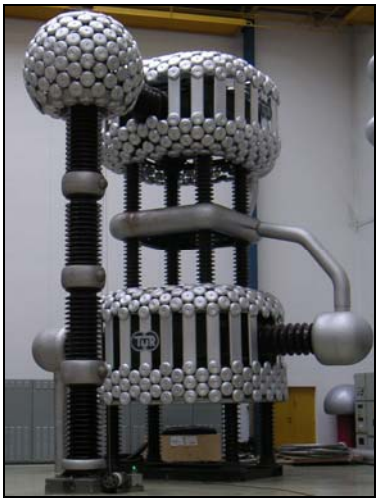

Fig. 2: Transformer cascade 1200 kV

If you need applicable HV electrodes for shielding or to connect parts of an HV test circuit, please describe us your required application, the necessary voltage and environmental conditions for operation.

For further information please contact:

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