

## Voltage Transformer Fault Current Ground Connection

To prevent a fault-arc from occurring within the porcelain following an insulation breakthrough within the tank region of the V.T. (e.g. due to lightning), a fault current path to ground is provided via the metal tube which connects the HV terminal and the start of the HV winding (1), and the connection of the core to the base tank (2). The risk of the development of a secondary arc within the insulator region, causing the violent destruction of the porcelain, is thereby greatly reduced.

kV	Maximum Internal Fault Current kA 1 sec
72.5 ... 145	40
170 ... 300	63
362 ... 800	80



