



e-cigre

on-line library and bookstore

---

Reference: **ELT\_273\_6**

---



Type:

**Electra**

Title:

**Guide for Minimizing the Damage from Stator Winding Ground Faults on Hydrogenerators**

Stator ground faults are the most common winding failure in generators, and this kind of fault occurs due to stator winding insulation breakdown and electrical contact between the active phase winding and the grounded stator core. This document analyzes different grounding schemes, the effect of phase-to-ground faults will be reviewed, and stator winding ground systems and protection systems will be analyzed, including calculation criteria for stator winding grounding devices.

---

More Informations :

**File Size:**2,1 MB **Pages NB:**3 **Study Committee :** A1 **WG (TF):**WG A1.14 **Year:**2014

---