

# S-18.4018 Sähköjärjestelmien relesuojaus

(Power system protection)

**Exam 9.11.2011**

1. Earth fault protection of medium voltage lines in a) ungrounded, and b) compensated neutral systems.
2. Overload protection of power transformers.
3. Effects of electricity to human body and permissible touch voltages
4. Protection of electrical motors in industrial power systems.
5. Give the general symmetrical component solution for earth faults.

Please answer to all the five questions

Answers accepted in English, Swedish or Finnish