Course description

F605
Surge protection devices OVR range

Course Duration

The duration is 1 day.

Course Type

This is a classroom course with activities led by an instructor.

Course Goal

After this course, you will be familiar with the surge protection devices (SPDs) of the OVR range, mainly in terms of functions and technical features.

Student Profile

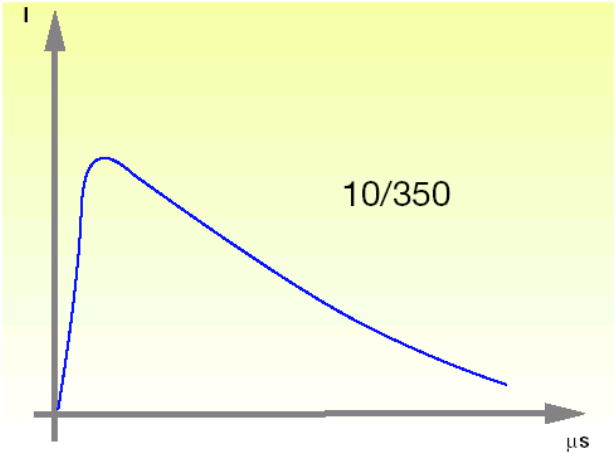
The course is intended for sales engineers and new hired product managers.

Prerequisites and Recommendations

The student must have a basic electro technical knowledge.

The following courses should be completed as well:

- F600e - OVR range
- F601e - Lightning phenomenon
- F602e - OVR technologies
- F603e - Selection & installation



Type 1 Surge Arresters
I_{imp}: current wave

Main Topics

- Lightning phenomenon
  - lightning activity around the world
  - origin of surge
  - direct strike on MV network
  - direct strike on LV network
  - consequences of surge
- OVR offer
  - general definitions of the features
  - global overview
  - type 1 range
  - type 2 range
  - low current products
  - photovoltaic range
  - telecom & wind turbine range
- OVR selection and installation
  - protection zone concept
  - OVR parameters
  - selection and choice criteria
  - I_{imp} and I_{max}
  - coordination between SPDs
  - installation of SPDs
- OVR technology
  - basics of technology
  - overview of internal components
  - the mode of protection CM/DM