
Omnivise Electrical Solutions - Excitation System Thyripart (T400 or SIMOTION) (K-ES-136)

Short Description

Testing and trouble shooting of a Thyripart-S or Thyripart-T4 excitation system

Target Group

The participants learn to operate the Thyripart and the tasks of the components, to recognize and delimit faults independently and to support the service technician of the manufacturer, respectively. Introduction to the commissioning.

Content

Basics of synchronous generators
Introduction of the brushless excitation system with rotating rectifiers
Hardware components: load transformer and Harz-circuit
Digital closed loop system
Power converter
Manual Mode: Excitation Current Regulator (ECR)
Automatic mode: Automatic Voltage Regulator (AVR), cos ϕ -, Q-regulator, limiter, PSS
Operation and maintenance
Dealing with the documentation of the Thyripart
Introduction to the operation software Simatic Manager, CFC and DriveMonitor or dedicated webbrowser and SIMOTION Scout
Conducted commissioning of the Thyripart, using the example of RG3-T4 with exercises at the generator model, or RG3-S, respectively (the load transformer and Harz-circuit is not available).

Prerequisites

Target group: Service and commissioning staff of excitation systems in a power plant
Requirements: Basic knowledge of electrical engineering
Number of participants: 3-4
Language: English
Duration: 5 days
Location:
Power Academy Erlangen
Virtual Classroom
Date: upon consultation

Type

Classroom training

Duration

5 days

Language

en