SFC - SINAMICS GL150 - Diagnostics and Service Training (SFC-DS-5)

Objectives

In this course you will learn how the SINAMICS GL150 converter works in the circuit technology of the load commutated current source inverters LCI.
This course covers variable frequency drives VFD as well as starting frequency converters SFC.
After this course you will be able to read and understand operating parameters. In the event of a fault, you can carry out a target-oriented troubleshooting and recommissioning. For this purpose, you will also be able to back up data using the STARTER PC program.

Target Group

- Service personnel
- Maintenance personnel

Content

- Design and function of the SINAMICS GL150
- Principle of a current source inverter
- Lineside and motorside inverter
- Thyristorstacks and DC-link reactor
- Operation and diagnostics with Operator Panel AOP30
- Operation and diagnostics with PC program STARTER
- Data backup: Upload and download of parameter sets, Comparison of parameter sets
- Reading and understanding circuit diagrams: Input and output signals, setpoint channel, Control with CU320-2 and actual value measurements, Interface to PROFIBUS / PROFINET
- Diagnostics and troubleshooting: Checking the control and status signals, Analysis of alarm and error messages, Signal recording via trace function, Recommissioning after replacement of spare parts, Work safety on medium-voltage installations, Practical exercises on special training equipment

Prerequisites

- Knowledge of electrical drive technology
- Knowledge of SINAMICS or STARTER is not required

Note

Language: German, English
Location: O&M Training Center in Nürnberg, worldwide on site or remotely via web-based simulator.
Contact E-Mail: operation-training.energy@siemens-energy.com

Type

Face-to-face training

Duration

5 days

Language

en

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