SIEMENS

SINAMICS G150 - Service and diagnostics (DR-G15-DG)

Short Description

You are responsible for the reliable operation of low-voltage drives with high power ratings. In addition to the first and recommissioning, the focus of this course is on identifying faults and applying focused measures to resolve these faults.

Objectives

After the course you are able to commission the converter and make changes to the parameterization. In case of faults, you can reduce downtimes by analyzing the faults and their associated causes, and you can replace faulty components.

Target Group

Commissioning engineers
Service personnel
Maintenance personnel

Content

Overview of SINAMICS G150 / G130 / S150 converters
Commissioning and diagnostics with:
- Advanced Operator Panel AOP30
- STARTER PC tool

Design of the converter and electrical cabinet
Electrical connection: Contactors, switches, reactors and filters
Setpoint channel, closed-loop control and trace function
Signal interconnection and BICO technology
Communication through PROFIBUS
Handling and using function diagrams and circuit diagrams
Function of modules and options
Diagnostics and troubleshooting, handling spare parts
Practical exercises at converter cabinet units:
- Commissioning
- Diagnostics and data backup
- Replacing components

Prerequisites

Basic knowledge of electrical engineering
Appropriate technical training, knowledge and experience in the field of electrical engineering, as well as knowledge of the related, relevant standards, which can be used to assess the work assigned and to identify and avoid potential hazards posed by electricity.

Type

Face-to-face training

Duration

3 days

Language

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