

SINAMICS G150 / G130 / S150 - Diagnostics and Service (DR-G15-DG)

Objectives

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.

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

Replacing modules and power blocks

Practical exercises at converter cabinet units:

- Commissioning
- Diagnostics and data backup
- Replacing components

Prerequisites

Basic knowledge of electrical engineering

Note

none

Type

Face-to-face training

Duration

5 days

Language

en