

SINAMICS G220 - Commissioning and Service (DR-G220)

Short Description

In this course you will learn how to handle the SINAMICS G220 drives during commissioning and in the event of a fault.

Objectives

In this course, you will learn how to safely handle the SINAMICS G220 drives during commissioning and during service. Using various scenarios, you will practice commissioning and service activities such as data backup, replacing components and recommissioning.

Target Group

- Commissioning personnel
- Service personnel
- Maintenance personnel

Content

Design and principle of operation of the SINAMICS G220 converter system

Parameterizing and commissioning with Startdrive

Integrated safety functions (Safety Integrated)

Integrated cyber security functions

Communication with SIMATIC via PROFINET

Data backup with Startdrive on PC or with memory card

Procedure when troubleshooting and recommissioning

- Analysis of alarms and fault messages
- Read-out of the diagnostics memory
- Tracing signals using the trace function

Procedure when replacing:

- Converter and motor
- Components with safety functions (Safety Integrated)

Practical exercises using the training device with SINAMICS G220

Prerequisites

Basic knowledge of drive technology

Basic knowledge of SIMATIC TIA Portal (corresponding to the courses TIA-SERV1 or TIA-PRO1)

Note

Included in the course price: Free access to the digital learning platform [SITRAIN access](#) – starting one week before the start of the course until two weeks after the end of the course. Here you will find web-based trainings on [SINAMICS Converters](#) as well as other topics such as [Industrial Automation Systems SIMATIC](#) and many more. With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

Type

Face-to-face training

Duration

3 days

Language

en