

## SINAMICS S210 - Commissioning and Service (DR-S210)

### Short Description

In this course you will learn how to handle the SINAMICS S210 [6SL5...] drives during commissioning and in the event of a fault.

### Objectives

In this course, you will learn how to safely handle the SINAMICS S210 [6SL5...] 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 S210 [6SL5...] converter system  
Parameterizing and commissioning with Startdrive  
One-Button-Tuning  
Integrated safety functions (Safety Integrated)  
Cyber Security Settings and User Management & Access Control (UMAC)  
Communication with SIMATIC via technology object "axis" and 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 S210

### Prerequisites

Basic knowledge of drive technology  
Basic knowledge of the SIMATIC TIA Portal (according one of 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

2.5 days

### Language

en