

## SINAMICS DCM - Parameterizing and Commissioning (DR-DCM-PM)

### Short Description

Your area of responsibility includes the commissioning of SINAMICS DCM DC drives. Modern power converters offer a variety of functions and setting options. A targeted approach will save you time and help you avoid errors. In this course, you will learn the step-by-step procedure for commissioning. You will use the STARTER software to carry out parameterization and data backup. By setting the parameters correctly, you support the reliable operation of the entire system.

### Objectives

After the course, you will be able to commission the SINAMICS DCM converter safely and efficiently. You will be able to adapt the parameters of the control system to the respective application and use the diagnostic tools in the event of a fault.

### Target Group

Commissioning/configuration engineers  
Service personnel

### Content

Design and operation of the SINAMICS DCM converter:

- Control module CUD, interfaces
  - Motors, power section with anchor circuit and excitation circuit
- Parameterization, data backup and diagnosis with:

- PC program STARTER
- Operator panels BOP20 and AOP30

Procedure for commissioning and function check

Functional diagrams: setpoint channel, inputs and outputs, free function blocks

Control signals and internal signal interconnection using BiCo technology

Optimization of the control by means of automatic measuring methods

Extension with Terminal Modules and Sensor Modules via DRIVE-CLiQ

Analysis of the operating status by means of enable signals, warnings and error messages

Recording of signals by means of trace function and diagnostic memory

Drive-side interface to SIMATIC S7 via PROFIBUS and PROFINET

Practical exercises on training devices with SINAMICS DCM and AOP30

### Prerequisites

Basic knowledge of electrical engineering

### Type

Face-to-face training

### Duration

5 days

### Language

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