SIEMENS

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

Objectives

SINAMICS DCM converters in conjunction with SIMOTICS DC motors are used for sophisticated and demanding applications in drive technology.
A focused procedure when commissioning saves time and avoids critical faults. Correct commissioning supports reliable operation of the complete plant or system.
After the course you are able to reliably and efficiently commission the DC converters and adapt parameter settings to address the various applications. You can optimize the controller settings and in the case of faults, use diagnostic resources.

Target Group

Commissioning/configuration engineers
Service personnel

Content

Design and function of the SINAMICS DCM converter:
• Control module CUD, interfaces
• Power unit, excitation circuit
Commissioning and parameterization with
• STARTER PC program
• Operator panels: BOP20 and AOP30
Using the memory card: Structure and data backup
Procedure when commissioning, checking functions
Optimizing the closed-loop current and speed control, automatic optimization
Function diagrams: Setpoint channel, inputs and outputs, free function blocks
Information on Drive Control Chart DCC
Drive interface to PROFIBUS / PROFINET
Expanding the system using Terminal Modules and Sensor Modules via DRIVE-CLiQ
Parallel connection and peer-to-peer coupling
Operating states, alarms and fault messages
Service functions: Trace, measuring functions, diagnostics memory
Practical exercises on training equipment with SINAMICS DCM, AOP30, STARTER

Prerequisites

Basic knowledge of electrical engineering

Type

Online-Training

Duration

5 days

Language

en