

Sinamics DCM 6RA80 Diagnostics and Service (DR-DCM-PM) (DR-DCM-DG)

Short Description

DR-DCM-PM (Old Course Code - DR-DCM-SI)

Objectives

This training course shows you how to adapt the parameter settings for the converter in line with the application and DC motor. It also gives you the opportunity to broaden your theoretical knowledge by means of exercises carried out on special training equipment. Once you have completed the course, you will be familiar with the functions of a converter and the respective interfaces. You will also be able to commission a converter quickly and reliably. Routine fault diagnosis and rectification help save time and optimize the availability of your plant.

Target Group

Commissioning/configuration engineers
Service personnel

Content

Structure and functional principles of the SINAMICS DC MASTER converter: Control Unit CUD, Power Module, excitation circuit, interfaces
Commissioning and parameterization activities using the BOP20 and AOP30 operator panels as well as the STARTER PC program
Using CompactFlash cards: Structure and data backups
Procedures for commissioning and functional checks
Optimizing current regulation and closed-loop speed control, automatic optimization
Function block diagrams: Setpoint channel, inputs/outputs, free function blocks
Drive-end interface to PROFIBUS / PROFINET
Expansions with Terminal Modules and Sensor Modules via DRIVE-CLiQ
Operating states, alarms, and fault codes
Service functions: Trace, measurement functions, diagnostic memories
Practical exercises with the AOP30 and STARTER on training equipment

Prerequisites

Completion of SD-DRV-FUN course

Type

Face-to-face training

Duration

5 days

Language

en

Fee

24,474 ZAR