

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

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### Short Description

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

### Objectives

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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

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Commissioning/configuration engineers  
Service personnel

### Content

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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

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Completion of SD-DRV-FUN course

### Type

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Face-to-face training

### Duration

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5 days

### Language

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en

### Fee

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19,434 ZAR