SIEMENS

SIMOREG DC Master 6RA70 (DR-DC70)

Objectives

This course is designed for Engineers and maintenance technicians who are not exposed to digitally controlled DC drive technology and further needs to work with Siemens make DC Drive 6RA70.

Target Group

Users, Commissioning / Service / Maintenance Engineers

Content

- Basics Of DC Drive :- a) Basic DC Motor equations b) Three phase controlled converter Thyristor accessories c) PI Controller d) Block diagram of DC Drive e) Braking & Reversal/Single & Multiquadrant Drive f) Optimization g) Speed variation techniques
- Introduction to SIMOREG DC MASTER 6RA70
- Hardware Details
- Block Diagram and Terminal Details
- Basic Start-Up Procedure
- Thyristor Checking & Automatic Optimisation
- Working with OP1S
- BICO Technology, Binary Inputs & Outputs
- Analog Interfaces
- FDS & BDS
- Copying Of Data Sets
- Introduction to Drive Monitor Software
- Set -Point Channel
- Control & Status Word
- Ramp Function Generator
- Motorised Potentiometer
- Speed Controller
- Armature Current Controller
- Manual Optimisation
- EMF / Field Controller
- Field Weakening
- Parallel Configuration
- Parameterisation of Free Function Blocks
- Dynamic Overloading
- Fault Memory and Fault Diagnostics
- Typical applications

Prerequisites

Engineers in Electrical / Electronic Engineering with Power Electronics Background

Type

Face-to-face training

Duration

6 days

Language

en