

G530 – DCS600 Multidrive

Operation and Maintenance



Course Type

Classroom course

Course Duration

The course duration is 3 days.

Course Goal

The goal of this course is to teach students how to start-up, adjust, operate, troubleshoot and maintain the DCS600 multidrive.

The use of programming and troubleshooting tools is trained by practical exercises.

Student Profile

This course is intended for electricians, technicians and engineers, who install and service DCS600 multidrives.

Prerequisites

Prior to attending this course, students should have

- Basic knowledge of DC drives engineering
- Basic knowledge in using a Windows computer.

Description

This course belongs to a learning path. Please see the accompanying figure of possible learning paths.

Course Objectives

Upon completion of this course, students will be able to:

- Locate the hardware components
- Explain the software structure of the DCS600 multidrive
- Commission, operate and fault trace the converter using the DriveWindow tool

Main Topics

- DCS600 multidrive structure
- Type markings, concepts, definitions and technical data
- Drive Section hardware
- Demonstration of the demo unit
- Circuit diagrams
- Software block diagram of the drive controller
- Functions of the CDP312 control panel
- Most important commissioning steps and start-up parameters
- Presentation of the commissioning and maintenance tool, DriveWindow
- Programming and measuring exercises using DriveWindow
- Programming the interface Drive Controller ↔ APC/AC80
- Fault tracing, using diagnostic messages
- Checking and replacing the power semiconductors

DC Drive Learning Paths

Course code	Duration
Course name	

G320 3 days

DCS500
Operation and Maintenance

G530 3 days

DCS600
Operation and Maintenance

G230 2 days

DCV700
Operation and Maintenance

