

G540 DCS 400 (DC-Single Drive)

Course Description



Course Duration

The duration is 2 days.

Course Type

Interactive training in a training room. Real devices for demonstration purposes and practical exercises are available.

Course Goal

The DCS 400 is a converter for speed and torque control of DC-drives with nominal currents from 25A up to 1000 A and nominal supply voltages from 220V up to 500V. The course goal is to teach students how to start-up, adjust, operate, and maintain the DCS 400 digital converter and how to do troubleshooting. The use of the programming tool Drive Window Light is trained by practical exercises.

Student Profile

Electricians, technicians and engineers who install and service DCS 400.

Prerequisites and Recommendations

Basic knowledge of DC-drives engineering..

Course Objectives

Upon completion of the course, the student will be able to: Commission, tune and operate the DCS 400
Select correct user macro
Trace and correct faults

Main Topics

Control and operation principles of DC converters
Component and card functions
Reading and interpreting circuit diagrams
DCS 400 software
Using operator control panel
DCS 400 Software pre-adjustments (Macros)
Making proper terminations
Initial converter start-up and commissioning
Commissioning with PC-Software Drive Window Light
Fine-tuning the converter
Fault-tracing and trouble-shooting methods

