

G560e – DCS800 Basics D1 – D4 – Internet course

Basic training about DCS800 Basic Hardware and Software



Course Type

Internet course

Course Duration

The course duration is approximately 2 hours, depending on personal background knowledge and study pace.

Course Goal

The goal of this course is to understand the hardware and software basics of DCS800 for converter module size D1 – D4.

The training covers the following topics:

- Rating, types and voltages
- Power part of modules <1000 A DC
- Terminal connection

Student Profile

This course is intended for the following job functions:

- Sales and product management
- Technical support
- Service engineers
- Project management

This course is also suited for beginners in DC Drives Technology and interested persons.

Prerequisites

- DC Fundamentals
- DC Portfolio

Description

This course includes self-study material and self-assessment questions.

Course Objectives

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

- Know the power range of DCS800 modules
- Know the construction of the modules
- Know the internal field excitation

Main Topics

- Module rating
- Components of D1 to D4 module
- Interface board – PIN-4
- Controller board – CON-4
- Line reactors
- Semiconductor fuses
- Option modules of Rxxx-series
- Field bus options
- Communication board – COM-8
- Isolated I/O boards – IOB-2 and IOB-3
- Standard firmware functions
- Drive profile control