

Course description

G581e – DCS550 Basic Training Internet Course (EN)

Course Duration

2.0 hours, depending on personnel knowledge

Course type

This course includes self-study material, self-assessment questions and interactive exercises. The language of the course is English.

Course Goal

The goal of this course is to understand the DCS550 single drive with its hardware and software parts.

The training covers the following topics:

- DCS550 Portfolio
- DCS550 Hardware design
- DCS550 Software functions

Student Profile

- Sales engineers,
- Product engineers and
- Engineering people who are planning, installing and servicing DC converters.

Prerequisites and Recommendations

The student should have:

- Basic knowledge about electrical wiring
- Basic knowledge of DC drives engineering

Preparation e-Learning courses

- G570e – DC Fundamentals

prior to attending this course.

Course Objectives

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

- Know the features of the DCS550 single drive
- Application area for this drive
- Know the DCS550 design and basics
- Understand the DCS550 control structure
- Perform drive commissioning by using DriveWindow Light

Main Topics

- DCS550 power range and applications
- What includes the basic package?
- How to work with the DCS550?
- Options and ordering
- DCS550 drive module specification
- DCS550 design and electronic boards
- Field excitation
- Drive connection and wiring examples
- Accessories (line choke, fuses, ...)
- Speed control
- Current control
- Firing section
- Field current control
- Drive control
- Commissioning of the DCS550
- Fault tracing

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