G5957e – DCS880 Dimensioning
Internet Course (EN)

Course Duration
1.0 hours, depending on personnel knowledge

Course type
This course includes self-study material.
The language of the course is English.

Course Goal
The goal of this course is to get the most important information how to dimension a DCS880 DC drive.

The training covers the following topics:
- General layout and information for dimensioning
- The 5 steps of dimensioning and configuring a drive by
  - Selection of motor voltage in new installations
  - Selection of the converter supply voltage
  - Selection of armature converter current
  - Selection of the field exciter
  - Selection of the accessories (Line reactors and semiconductor fuses)

Student Profile
Sales engineers of the DCS880 DC drive.

Prerequisites and Recommendations
The student should have:
- Basic knowledge about electrical wiring
- Basic knowledge of DC drives
- Physical understanding for drives application

Preparation e-Learning courses
E-learning course G570e – DC drives fundamentals to attending this course is needed.

Course Objectives
Upon completion of this course, students will be able to:
- Dimension a DCS880 armature converter module
- Dimension the field exciter
- Dimension a line reactor or dedicated transformer
- Dimension a semiconductor fuse

Main Topics
- General layout of a DC drives system
- General information of the documents for
- 5 steps of dimensioning and configuring a DC drive

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