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## COURSE DESCRIPTION

# 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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