
COURSE DESCRIPTION

G5951

DCS880 Basic Classroom Training

Course Type

Interactive training in a classroom. Demo units for demonstration purposes and practical exercises are provided.

Course Duration

2.5 Days

Course Goal

The goal of this course is to impart basic knowledge of DC motors and drives in general to the participants. Furthermore the participants will get technical knowledge about the DCS880 drive in a product training. The content here is the hardware and the software functions of the drive as well as the functions of the PC tools Drive Composer, Drive Loader and Automation Builder.

Student Profile

This course is suitable for technical support, field service, constructors and engineers, who install, commission, program and maintain the DCS880 DC drive.

Prerequisites and Recommendation

- Basic knowledge in drives technology
- Experience with Windows-PC's

Course Objectives

The DCS880 is a DC drive for motoric and non-motoric applications from 20 A up to 5200 A.

After finishing this course you will be able to:

- Install the DCS880 DC drive
- Do Commissioning for the DCS880
- Use the PC-Tools Drive Composer and Drive Loader.
- Use the built-in STO function of the DCS880
- Re-validate the built-in STO function after service or repair.

Main Topics

- DC drives fundamentals
- DCS880 hardware and options
- DCS880 integrated safety functions
- DCS880 firmware structure
- Drive Composer:
 - DriveAP
 - Commissioning Assistant
- Drive Loader
 - Firmware Download
 - Application Download
- Programming Opportunities
- Re-validation of the STO function after service or repair
- Structured trouble shooting
- Inspection and exchange of components