
COURSE DESCRIPTION

G5950e – DCS880 Basics Hardware H1 – H4

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 of the DCS880 Hardware H1 – H4 and Options H1 – H8.

The training covers the following topics in 3 units:

- DCS880 Hardware H1 – H4
 - Type Code
 - Environmental conditions
 - Ratings, types, currents and voltages
 - Location of Hardware
 - Power part
 - Electronic boards (SDCS-PIN-H01 and SDCS-CON-H01)
 - Memory unit
- DCS880 Hardware H1 – H4 Interface
 - Analog and digital I/O
 - Drive to drive link (D2D)
 - Safe Torque Off
 - Mains contactor
 - Analog tachometer and pulse encoder
 - Temperature measurement
 - Fan connections
- DCS880 Options H1 – H8
 - Plug-in options
 - DCSLink communication
 - Drive application programmability
 - Multiple DCS880 connected to one control panel
 - Terminal options
 - Auxiliary transformer T2
 - EMC filters
 - Plus codes

Student Profile

Field service engineers and technical support 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:

- Know the hardware of the DCS880 converter module
- Know the peripheral interface of the electronic
- Know the accessories and options of the DCS880

Main Topics

- Type code and ratings of the DCS880 (H1 – H4)
- Industrial environment
- Power part and electronic boards
- Hardware interface
- Options and accessories

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