COURSE DESCRIPTION

G5954e – DCS880 Basics Hardware H5 – H8
Internet Course (EN)

Course Duration
1.5 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 H5 – H8 and
the Options H1 – H8 Part II.

The training covers the following topics in 3 units:
− DCS880 Hardware H5 – H8 Part I
  − Ratings, types, currents and voltages
  − Location of Hardware H5 – H8
  − Power part
  − Electronic boards
    SDCS-PIN-H41, SDCS-PIN-H51,
    SDCS-POW-H01 and SDCS-OPL-H01

− DCS880 Hardware H5 – H8 Part II
  − SDCS boards and interconnection
  − FEX-425-Int
  − Fan connection and pressure switches
  − Line chokes, dedicated transformers and
    semiconductor fuses

− DCS880 Options Part II (H1 – H8)
  − External field exciters
  − Components for field exciters
  − Galvanic isolation
  − Current measuring aid

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 courses G570e – DC drives fundamentals
and G5950e – DCS880 Basics Hardware (H1 – H4) to
attending this course is needed.

Course Objectives
Upon completion of this course, students will be
able to:
− Know the hardware H5 – H8 of the DCS880
  converter module
− Know the peripheral interface of the electronic
− Know the accessories and additional options of
  the DCS880

Main Topics
− Type code and ratings of the DCS880 (H5 – H8)
− Power part (H5 – H8) and electronic boards
− SDCS boards and interconnection
− Options and accessories

www.abb.com
www.abb.com/abbuniversity

ABB Automation Products GmbH
Wallstädter Straße 59
D-68526 Ladenburg
Germany
dc-drives@de.abb.com
www.abb.com/dc-drives