

Course description

G583e - DCS800 Lift Magnet Supply Internet Course (EN)

Course Duration

0.5 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 understand the application of the DCS800 Lift Magnet Supply.

The training covers the following topics:

- Examples for different magnet types
- Single magnet configuration in current control
- Multi magnet configuration in voltage control
- Battery Backup and Battery Charging
- Overvoltage Protection
- Functions of the lift magnet supply application:
 - Magnetization
 - Switch On boost
 - Demagnetization / Degaussing
 - Reference selection
 - Step by step sheet release function
 - Transport mode
 - Monitoring functions for resistance value and I^2t
- Additional technical information

Student Profile

Product engineers and engineering people who are planning, installing and servicing DCS800 non motoric applications.

Prerequisites and Recommendations

The student should have:

- Basic knowledge about electrical wiring
- Basic knowledge of DC drives and DC non motoric applications
- Physical understanding for lift magnet supplies

Preparation e-Learning courses

E-learning course **G560e - DCS800 Basic training (D1 - D4)** to attending this course is recommended.

Course Objectives

Upon completion of this course, students will be able to:

- Know the application of the DCS800 lift magnet supply
- Know the magnet configurations
- Know the control modes
- Know more about overvoltage protection and battery backup

Main Topics

Magnet types (single and multi)
Control modes (voltage and current)
Battery backup and charging
Overvoltage protection
Software functions of the IEC 61131 program
DEABBMagBat V3.x

www.abb.com

www.abb.com/abbuniversity

ABB Automation Products GmbH

Motors and Drives

Wallstadter Straße 59

D-68526 Ladenburg

Germany

dc-drives@de.abb.com

www.abb.com/motors&drives