G380
ACS880 operation, startup and basic maintenance hands-on

Course type and description

The ACS880 operation, startup and basic maintenance learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: This is a classroom course with hands-on lab activities supported by an instructor. This course contains hands-on ACS880 exercises.

The first part of the learning event includes the theory based e-learning courses mentioned below. Please note that the e-learning course material is not covered during the classroom course. You are required to complete the e-learning part before the classroom part , which is essential in order to be able to succeed in the hands-on lab activities during classroom days. The status of e-learning course completion is monitored.

Please see the accompanying figure of possible learning paths

Prerequisites

■ Basic knowledge of electronics

■ Experience in using a Windows PC

■ E-learning courses G020e, G371e, G374e, G375e, G380e and G3801e. Please refer to the ACS880-01 learning program for ACS880 course names and durations.

Course duration

The course duration is 1 day.

Student profile

This course is intended for electricians, technicians, and engineers who install, operate and service ACS880 drives.

Course goal

The goal of this course is to teach students to install, startup, adjust and operate ACS880 drives.

Course objectives

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

■ Commission and tune ACS880 drives

■ Operate ACS880 drives

■ Do basic maintenance for ACS880-01 drives

Main topics

■ ACS880 Hardware and software basics

■ ACS880 primary control program

■ Control panel functions

■ ACS880 startup

■ Parametrisation of the converter

■ Installation principles

■ Optional equipment connections

■ DriveComposer commissioning and maintenance tool operations

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ABB

Day 1

08:30   Course Information

08:45   Exercises

10:10   Coffee break

10:25   Exercises

11:50   Lunch

12:35   Exercises

14:00   Coffee break

14:15   Exercises

15:40   Course evaluation

16:00   End of the course

Group 1:
Group 2:
Group 3:
Group 4:

Exercise executing order:

Exercise packages	Group 1 Exercise	Group 2 Exercise	Group 3 Exercise	Group 4 Exercise
Package 12 Commissioning with Control panel	1	2	3	4
Package 13 Drive Composer tool	2	3	4	1
Package 14 Installation R1-R3	3	4	1	2
Package 15 ACS880-01 Location	4	1	2	3