

G3881

ACS880 multidrive, startup and maintenance hands-on

Course type and description

The ACS880 multidrive learning event comprises of two parts: e-learning courses and classroom course.

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

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.

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 multidrives.

Course goal

The goal of this course is to teach students to start-up, adjust, operate, maintain and troubleshoot ACS880 multidrives.

Course objectives

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

- Commission and tune ACS880 multidrives
- Exchange the modules
- Operate and maintain ACS880 multidrives

Main Topics

- Reading and interpreting circuit diagrams
- ACS880 primary control program
- Control panel functions
- Locating and identifying terminals, boards and other components
- Converter and Supply unit commissioning
- Changing the setting
- Fault diagnostics
- Drive composer commissioning and maintenance tool operations

Prerequisites

Prior to attending this course, students should have:

- Basic knowledge of electronics
- Experience in using PCs in the Windows environment
- G371e, G374e, G375e, G376e, G3848e, G3806e and G3808e web courses completed.

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Day 1

09:00 Introduction of the course

09:15 Exercise 1

10:30 Break

10:45 Exercise 2

12:00 Lunch

13:00 Exercise 3

14:15 Break

14:30 Exercise 4

16:00 End of the day

Exercise 1

Control panel and start-up exercise

Exercise 2

Drive Composer pro exercise

Exercise 3

ACS880-07 location exercise

Exercise 4

ACS880-07 start-up exercise