

Description

G152

ACS800 single drive, startup and basic maintenance hands-on

Course type and description

The ACS800 single drive learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: Course G152 is a classroom course with hands-on exercises and fault tracing with ACS800 demo units supported by an instructor.

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
- Course G152e.

Please refer to the accompanying figure for course names and durations.

Course Duration

The course duration is 3 days.

Student Profile

This course is intended for electricians, technicians, and engineers who install, operate and do basic maintenance ACS800 single drives.

Course Goal

The goal of this course is to teach students to install, start-up, operate, maintain and troubleshoot ACS800 single drives.

The training covers the following types and constructs:

- ACS800-01
- ACS800-02 R7 or ACS800-04 R8
- ACS800-11 on request

Course Objectives

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

- Commission and tune ACS800 single drives
- Operate and maintain ACS800 single drives
- Do basic trouble shooting on ACS880 single drives

Main Topics

- ACS800 standard application program
- Control panel functions
- Control panel assistants
- Locating and identifying terminals
- Installation principles
- Converter commissioning
- Fine tuning of the converter
- Adaptive programming
- DriveAP adaptive programming tool operations
- DriveWindow commissioning and maintenance tool operations
- Introduction to trouble shooting

Course description

G160

ACS800 multidrive, start-up, maintenance and hands-on training

Course Type

This is a classroom course with hands-on lab activities supported by an instructor. Theory should be studied beforehand in the e-learning course G160e.

Course Duration

The course duration is 3days.

Course Goal

The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair ACS800 multidrives.

Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800 multidrives.

Prerequisites

Prior to attending this course, students should have

- Basic knowledge of electronics
- Experience in using PCs in the Windows environment
- Course G160e web course completed.

Description

The course contains hands-on exercises and fault tracing with ACS800 multidrive units. This course belongs to a learning path that utilizes blended learning. Please see the accompanying figure of possible learning paths.

Note! This course includes partly same exercises as courses G161 and G156.

Course Objectives

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

- Commission and tune ACS800 multidrives
- Exchange the modules
- Operate and maintain ACS800 multidrives

Main Topics

- Reading and interpreting circuit diagrams
- ACS800 system application program
- Control panel functions
- Locating and identifying terminals, boards and other components
- Converter and Supply unit commissioning
- Changing the setting
- Fault diagnostics
- DriveWindow commissioning and maintenance tool operations