

## Description

# G356

# ACS355 operation and programming hands-on

## Course type and description

The ACS355 standard drive 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 ACS355 demo 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.

## Prerequisites

Prior to attending this course, students should have

- Basic knowledge of electronics / electricity
- Experience in using PCs in the Windows environment
- Completed the Internet course ACS355 Machinery Drive Fundamentals, G356e or G350e + G357e

## Course Duration

The course duration is 1 day. Theory part of the course is in e-learning course G356e or G350e + G357e (prerequisite).

## Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS355 drives.

## Course Goal

The main goal of this course is to teach students to install, start-up, adjust, operate and maintain the ACS355 drive.

## Low Voltage Drives Training

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## Course Objectives

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

- Do commissioning of the ACS355 drive.
- Operate and maintain the ACS355 drive.
- Create sequence programs using Drive Window Light software

## Main Topics

- Assistant Control panel(ACS-CP-A) functions
- Mechanical Installation and the cabling
- Commissioning and maintenance
- Sequence Programming
- Timers and Counters
- DriveWindow Light, commissioning and maintenance tool operations

## Side topics if requested prior to the course

- FlashDrop, programming and maintenance tool and DrivePM software

## Agenda

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## Day program

- 09:00 Course Information
- 09:15 Exercises begin
- 10:00 Break (15min)
- 10:15 Exercises continues
- 12:00 Lunch (45min)
- 12:45 Exercises continues
- 14:00 Break (15min)
- 14:15 Exercises continues
- 16:00 End of the day

## Exercises during the course are the following :

- Installation, start-up and parameter back-up exercises
- Timer and Counter exercises
- Application macro, Assistant control panel and Timed functions exercises
- DriveWindow Light 2.x and sequence programming exercises
- AC Drive basics and Drive Control exercises

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