G390
ACS580-01 basics
hands-on course

Course Duration

The course duration is 1,5 day

Course Type and Description

The ACS580-01 basics learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: the classroom course including hands-on lab activities with ACS580-01 demo units supported by an instructor. Theory-based internet courses needs to be studied before attending to this course.

The first part of the learning event includes the theory based e-learning courses mentioned in prerequisites. 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 courses completion is monitored.

Student Profile

This course is intended for electricians, technicians, designers and engineers, who install, operate, program and do basic maintenance to ACS580-01 drives.

Course Goal

The goal of this course is to introduce students to ACS580-01 Drive.

Course Objectives

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

- Install ACS580-01 drive
- Do start-up of ACS580-01 drive using control panel
- Use Drive composer entry PC tool and do start-up of ACS580 using the tool
- Do basic maintenance tasks on ACS580-01
- Use Adaptive programming tool

Low voltage drives training
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Prerequisites

- Basic knowledge about electronics
- Basic knowledge about drives
- English language communication and understanding skills

- E-learning courses:

  G020e – LV AC drives general installation practises
  G3900e – General purpose drives, ACS580 series offering
  G3901e – ACS580-01 installation
  G3905e – ACS580-01 technical hardware details
  G3911e – ACS580 standard control program specific features
  G374e – All-compatible panel fundamentals
  G375e – Drive composer entry tool fundamentals
  G381e – All compatible software common features

Main Topics

- Start-up of the drive
- ACS580-01 hardware construction
- Installation principles of ACS580-01
- ACS580-01 control panel operation
- ACS580-01 software features
- Drive composer entry
- Drive Adaptive programming tool
- Basic maintenance tasks of ACS580-01 drives

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Day 1 program

09:00	Course Information	
09:15	ACS580-01 information	
09:30	Exercises begin	
10:30	Coffee break	
10:45	Exercises continues	
12:00	Lunch	
12:45	Exercises continues	
14:00	Coffee break	
14:15	Exercises continues	
16:00	End of the day	

Day 2 program

09:00	Exercises continues
10:30	Coffee break
10:45	Exercises continues
12:00	Lunch
12:45	Finishing up the course
13:00	End of the course

Exercises:

1:	Control panel and start-up exercise
2:	Drive composer entry exercise
3:	Component location exercise
4:	Cooling fan exchange exercise
5:	Installation check exercise
6:	Adaptive programming exercise

Rev.F