

Course description

G210

CDC operation and maintenance (APC2)

Course Duration

The course duration is 2 days.

Course type

Classroom course

Course Goal

The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair CDC (Common Drive Control) and APC2 (Application Program Controller) for ACV700 and DCV700 drives.

Student Profile

This course is intended for electricians, technicians, and engineers who commission and service ACV700 or DCV700 drives.

Prerequisites

- Basic knowledge of electronics
- Basic knowledge of using a computer

Description

This course belongs to a learning path. Please see the accompanying figure of possible learning paths.

Course Objectives

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

- Trace APC2 I/O-signals
- Trace faults and replace boards
- Make backups

Main Topics

- Control principles
- CDC system configuration
- Using system documentation
- CDC hardware:
 - APC2 (Application Program Controller)
 - I/O
 - Communication
- CDC software principles
- On-line programming using the FCB (Function Chart Builder):
 - Test program
 - Program changes
 - Backups
- Fault tracing methods

Low voltage drives training

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Course agenda

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Day 1

- 08:30 G210 CDC Course introduction
- 08:45 Structure of the CDC-system
- 10:00 Coffee break
- 10:15 System configuration
- 10:30 Introducing and building the CDC-demo system
- 12:00 Lunch, End of the course
- 13:00 APC Board (YPP 110A)
- 13:15 Technical overview of basics I/O and extended I/O
- 13:45 APC 700 Panel
- 14:00 Coffee break
- 14:15 Communication
- 14:45 Drivertools and programming principles
- 15:15 FCB Operation
- 15:30 FCB practical exercise 1
- 16:00 End of day 1

Day 2

- 08:30 FCB practical exercise 1 continues
- 10:00 Coffee break
- 10:15 Software configuration (communication, data types)
- 12:00 Lunch
- 13:00 FCB practical exercise
- 14:00 Coffee break
- 14:15 FCB practical exercise continues with fault function
- 16:00 End of the course

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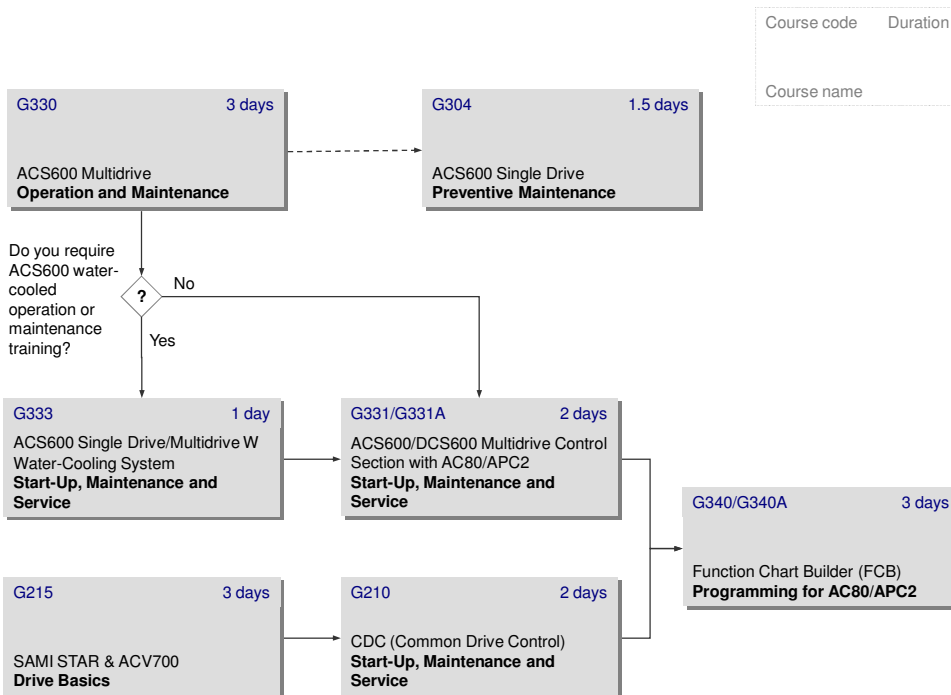
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Learning Paths

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