Course description

G163A
ACS800 liquid-cooled drives Fundamentals

Course Duration
The course duration is 1 day.

Course type
Classroom course

Course Goal
The goal of this course is to teach students the basics of installation, start-up, adjustment, operation, maintenance, troubleshooting and repair of ACS800 liquid-cooled drives.

Student Profile
This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800 liquid-cooled drives.

Prerequisites
- Basic knowledge of electronics

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

Course Objectives
Upon completion of this course, students will be able to:
- Describe the functions of the ACS800 liquid-cooled drives
- Describe the hardware structure of the product
- Activate and use the ACS800 liquid-cooling unit software
- Describe the basics of installation, commissioning, maintenance and service operations of ACS800 liquid-cooled drives
- Describe the basic principles of fault-tracing

Main Topics
- Overview of the ACS800 liquid-cooled drives features
- Hardware construction
- Component and board functions
- Optional equipment overview
- Fieldbus communication
- Fault tracing principles
- Installation principles
- Liquid-cooling unit start-up
- Basic service operations
- Supply units operations
Course agenda

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Day 1

08:30  Course Information
08:45  System Information
09:15  Coffee break
09:30  Inverter Unit
10:15  Diode Supply Unit
11:00  Brake Unit
11:15  Lunch
12:00  Liquid Cooling Unit
12:15  Installation
13:15  Liquid Cooling Unit start-up
14:00  Coffee break
14:15  Module replacements
16:00  End of day 1

The course continues next day with hands-on training (G163) at 9:00 clock

Day 2

Course code G163:

09:00  Course Information
09:15  Location exercise / Fan replacement exercise
10:00  Coffee break
10:15  Location exercise / Fan replacement exercise
11:00  Module replacement, exercise / Liquid Cooling Unit start-up, exercise
12:00  Lunch
13:00  Inverter unit, component locations exercise
14:00  Coffee break
14:15  Module replacement, exercise / Liquid Cooling Unit start-up, exercise
15:30  Questions & Feedback
16:00  End of the course
Would you like to take a course via the Internet?

Do you have knowledge of ACS600 single drives?

Would you like to take a course via the Internet?

Would you like to take a course via the Internet?

* The duration of the Internet courses depends on personal professional background and study pace