COURSE DESCRIPTION

G163

ACS800 Liquid Cooled Drives, Startup, Maintenance and Service Hands-on

Course Type and Description

The ACS800 liquid-cooled drives 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 and fault tracing with ACS800 liquid-cooled 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.

Please see the accompanying figure of possible learning paths.

Course Duration

The course duration is 1 day.

Student Profile

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

Course Goal

The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair ACS800 liquid-cooled supply, inverter and cooling units.

Course Objective

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

- Commission ACS800 liquid-cooled drives
- Trace and correct faults
- Operate and maintain ACS800 liquid-cooled drives

Main Topics

- Construction of drive-, supply and cooling units
- Cooling methods of drive- and supply units
- Functionality of the cooling unit
- Installation of the cooling unit
- Start-up of the cooling unit
- Replacement of the modules

Prerequisites

- Prior to attending this course, students should have
- Basic knowledge of electronics
- Experience in using PCs in the Windows environment
- Course G163e or G163A

One of the following courses:

- Course G161
- Course G160
- Course G152
- Course G156

Program

09:00	Couse Information
09:15	Exercises
10:00	Break
10:15	Exercises
12:00	Lunch
13:00	Exercises
14:00	Break
14:15	Questions & Feedback
15:30	End of the Course

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