**Course description**

**G333**

**ACS600 single drive/multidrive, water-cooling system startup, maintenance and service**

**Course Duration**
The course duration is 1 day.

**Course type**
This is a classroom course with hands-on lab activities supported by an instructor.

**Course Goal**
The goal of this course is to teach students to install, start-up, adjust, operate, maintain, troubleshoot and repair the water-cooling system of ACS600 single drive/multidrive W frequency converters and replace ACS600 single drive/multidrive W inverter and supply modules.

**Student Profile**
This course is intended for electricians, technicians, and engineers who commission and service water-cooled ACS600 single drives/multidrives.

**Prerequisites**
- Course G330 or G300

Please refer to the accompanying figure of learning paths relating to this course.

**Description**
This course contains classroom lectures and hands-on training with water-cooled ACS600 units.
This course belongs to several learning paths.
Please see the accompanying figure of possible learning paths.

**Course Objectives**
Upon completion of this course, students will be able to:
- Describe the construction of the ACS600 single drive/multidrive W water-cooling system
- Make connections between the transportation units
- Perform basic maintenance operations

**Main Topics**
- Overview of the water-cooled ACS600 single drive/multidrive W frequency converters
- Installation of water-cooled inverters
- Commissioning of the water-cooling system
- Maintenance
Course agenda

G333
ACS600 single drive/multidrive, water-cooling system startup, maintenance and service

Day 1

09:00 Welcome and introduction

09:15 Product introduction
- General configuration
- Control functions

09:40 Installation
- Water pipe connections
- Busbar connections

10:15 Coffee

10:30 Commissioning
- Filling and aerating the system
- Settings in the control program

12:00 Lunch

12:45 Maintenance
- Annual
- Water-cooling section
- Supply sections
- Inverter sections

14:00 Coffee

14:15 Exercises
- Filling and deaerating
- Control program commissioning

16:00 End of the course
Learning Paths

ACS600 single drives and multidrives

Learning paths

ACS600 Single Drive Learning Paths

Do you require ACS600 water-cooled operation or maintenance training?

- No
- Yes

G330 3 days
ACS600 Multidrive Operation and Maintenance

G300 3 days
ACS600 single drive, 1 kW-3000 kW Operation and Maintenance

G304 1.5 days
ACS600 single drive Preventive Maintenance

G306 2 days
ACS600 MotorControl Start-Up, Maintenance and Service

G333 1 day
ACS600 single drive/multidrive W Water-Cooling System Start-Up, Maintenance and Service

G330 3 days
ACS600 Multidrive Operation and Maintenance

G304 1.5 days
ACS600 Single Drive Preventive Maintenance

G331/G331A 2 days
ACS600/DCS600 Multidrive Control Section with AC80/APC2 Start-Up, Maintenance and Service

G330 3 days
ACS600 Multidrive Operation and Maintenance

G304 1.5 days
ACS600 Single Drive Preventive Maintenance

G331/G331A 2 days
ACS600/DCS600 Multidrive Control Section with AC80/APC2 Start-Up, Maintenance and Service

G210 2 days
CDC (Common Drive Control) Start-Up, Maintenance and Service

G215 3 days
SAMI STAR & ACV700 Drive Basics

G340/G340A 3 days
Function Chart Builder (FCB) Programming for AC80/APC2

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

Do you require ACS600 water-cooled operation or maintenance training?

- No
- Yes

G330 3 days
ACS600 Multidrive Operation and Maintenance

G304 1.5 days
ACS600 Single Drive Preventive Maintenance

G331/G331A 2 days
ACS600/DCS600 Multidrive Control Section with AC80/APC2 Start-Up, Maintenance and Service

G210 2 days
CDC (Common Drive Control) Start-Up, Maintenance and Service

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