Course description

G331

ACS600/DCS600 multidrive control section with AC80 startup, maintenance and service

Course Duration
The course duration is 2 days.

Course type
Classroom course

Course Goal
The goal of this course is to teach students to startup, adjust, operate, maintain, troubleshoot and repair the Control Section of ACS600 multidrive systems.

Student Profile
This course is intended for electricians, technicians, and engineers who maintain the Control Section of ACS600 multidrive systems.

Prerequisites
- Basic knowledge of electronics
- Experience in using a Windows PC
- Course G330

Please refer to the accompanying figure for the course name and duration.

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:
- Locate and correct faults, trace input and output signals of the AC80
- Make backups and restore application programs

Main Topics
- System components and functions
- Using and interpreting system documents
- AC80 software principles
- FCB (Function Chart Builder) program operation in measurement and fault tracing
- Backup and restore
- Fault tracing methods
Agenda

G331

ACS600/DCS600 multidrive control section with AC80 startup, maintenance and service

Day 1

09:00  Introduction to the AC 80 control system
09:30  Installation of the AC 80 control system
       - HW settings of the AC 80 control system
10:00  Coffee break
10:15  System software package of the AC 80
       - loading exercises
12:00  Lunch
13:00  Application program of the AC 80 control
       System
       - structure
       - Function blocks generally
       - DB elements generally
14:00  Coffee break
14:15  FCB- tool
       - editing & measuring
       - code handling
16:00  End of day 1

Day 2

08:30  Links between the AC 80 control system and
       devices
09:00  Coffee break
09:15  Control of drives
       - DriveBus
       - exercise
10:00  Control using ModuleBus
       - Electrical link
       - exercise
11:00  Control using AF 100
       - exercise
12:00  Lunch
13:00  Fault tracing exercises and/or, depending on
       the course participants' needs, following alternative
       subjects may be handled:

       Configuration of the link between the GOP-1 control
       panel and a printer
       - GOP
       - CDP 80
       - Printer
       - Demo program (GOP and two drives)

       or

       Configuration of the optical ModuleBus link
       - editing & measuring exercise
14:00  Coffee break
14:15  Course wrap-up
15:00  End of the course
Do you require ACS600 water-cooled operation or maintenance training?

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<th>Duration</th>
<th>Course name</th>
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<td>1 day</td>
<td>ACS600 Single Drive/Multidrive W Water-Cooling System Start-Up, Maintenance and Service</td>
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<tr>
<td>G331/G331A</td>
<td>2 days</td>
<td>ACS600/DCS600 Multidrive Control Section with AC80/APC2 Start-Up, Maintenance and Service</td>
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<tr>
<td>G340/G340A</td>
<td>3 days</td>
<td>Function Chart Builder (FCB) Programming for AC80/APC2</td>
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<tr>
<td>G330</td>
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<td>ACS600 Multidrive Operation and Maintenance</td>
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<tr>
<td>G304</td>
<td>1.5 days</td>
<td>ACS600 Single Drive Preventive Maintenance</td>
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<tr>
<td>G215</td>
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<td>SAMI STAR &amp; ACV700 Drive Basics</td>
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<tr>
<td>G210</td>
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<td>CDC (Common Drive Control) Start-Up, Maintenance and Service</td>
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## DC Drive Learning Paths

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<td>DCS500 Operation and Maintenance</td>
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<tr>
<td>G530</td>
<td>DCS600 Operation and Maintenance</td>
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<tr>
<td>G230</td>
<td>DCV700 Operation and Maintenance</td>
<td>2 days</td>
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