Course description

G162C
ACS880 multidrive control section with AC800M

Course duration

The course duration is 2.5 days.

Course type

Classroom course with hands-on lab activities led by an instructor

Course goal

The goal of this course is to teach students to start-up, operate, maintain, troubleshoot and repair the control section AC800M of ACS880 multidrive systems.

Student profile

This course is intended for electricians, technicians, and engineers who maintain control sections of ACS880 multidrive systems with the AC800M.

Prerequisites

- Basic knowledge of electronics
- Experience with using a Windows PC
- Either of the following two learning paths:
  - Course G3880 or
  - Courses G3881e and G3881

Description

This course contains hands-on training with AC800M units.
This course belongs to a learning path that may utilize blended learning.

Course objectives

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

- Perform the basic start-up tasks
- Locate and correct faults, trace input and output signals of the AC800M
- Replace a faulty module
- Make backups and restore application programs
- Use AC800M SW tool programs

Main topics

- System components and functions
- Using and interpreting system documents
- Application program structure and basic functional blocks
- Operation and basic use of the SW tool program in monitoring and fault tracing
- Backup and restore
- Fault tracing methods and reparation of the AC800M

Low voltage drives training
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Day 1

09:00 Introduction of the course

09:15 Introduction of the AC800M

10:00 Break

10:15 HW for the AC800M

11:15 HW documentation

12:00 Lunch

13:00 Introduction to the PC-tool

14:00 Break

14:15 PC-tool
- Opening, loading, backup and restore
- Exercises

16:00 End of day 1

Day 2

08:30 Compact Control Builder AC 800M
- Program structure
- Programming lanquages
- Exercises

10:00 Break

10:15 Compact Control Builder AC 800M
- Exercises

12:00 Lunch

13:00 Compact Control Builder AC 800M
- Control Modules
- Measuring
- Exercises

14:00 Break

14:15 Links of the AC 800M and devices

15:00 Connection to S800 I/O

16:00 End of day 2

Day 3

08:30 Control of drives
- DDCS
- Exercises

10:00 Break

10:15 SW construction

11:30 Recap of the course

12:00 Lunch

13:00 End of the course

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