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
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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 languages
  ▪ 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