

CenterLine MCC With IntelliCENTER Software Commissioning on an EtherNet/IP Network

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: CCI108

COURSE MODULES & TOPICS

Course Purpose

- IntelliCENTER software
- E300™ and E3 Plus™ electronic overload relays
- PowerFlex® 525 and PowerFlex 40 variable speed drives
- Stratix® 5700 industrial Ethernet switches
- Logix5000™ controllers and the Studio 5000 Logix Designer® application
- FactoryTalk® View software

Objectives

- Verify connections between CENTERLINE MCC sections
- Implement an EtherNet/IP network topology for an MCC
- Configure:
 - Stratix 5700 EtherNet/IP switch settings
 - IntelliCENTER software preferences
 - E300 and E3 Plus electronic overload relays
 - PowerFlex 525 and PowerFlex 40 drive parameters
- Install IntelliCENTER software and data disks
- Modify CENTERLINE MCC lineup properties using IntelliCENTER software
- Add MCC components to a Studio 5000 Logix Designer application
- Enable automatic device configuration for a PowerFlex 525 drive in a CENTERLINE MCC
- Add IntelliCENTER ActiveX controls to a FactoryTalk View application
- Configure and view IntelliCENTER energy software data
- Add documentation to an IntelliCENTER software database
- Modify MCC component spare parts lists in IntelliCENTER software
- Manage IntelliCENTER software databases

To successfully complete this course, the following prerequisites are required:

- Working knowledge of electricity, and knowledge of electrical and industrial safety (including PPE requirements and safe practices)
- Completion of the Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals course (CCP146) or equivalent experience

Student Materials

- Student Manual – Includes the key concepts, definitions, examples, and activities presented in this course
- CENTERLINE MCC on an EtherNet/IP Network Procedures Guide – Provides step-by-step instructions for tasks that are common to devices that can interact with a motor control center
- EtherNet/IP Procedures Guide – Provides the steps required to complete tasks common to configuring Stratix® switches and other devices for communication over an EtherNet/IP network

Course Agenda

Day 1

- Recognizing CENTERLINE MCC Structure and Assembly
- Verifying Connections Between CENTERLINE MCC Sections
- Implementing an EtherNet/IP Topology for a CENTERLINE MCC
- Configuring Stratix 5700 EtherNet/IP Switch Settings
- Installing IntelliCENTER Software and MCC Data Disks

Day 2

- Configuring IntelliCENTER Security and Management Settings
- Integrating IntelliCENTER Energy with FactoryTalk EnergyMetrix Software
- Modifying CENTERLINE MCC Lineup Properties Using IntelliCENTER Software
- Configuring E300 and E3 Plus Electronic Overload Relays
- Configuring PowerFlex 525 and PowerFlex 40 Drive Parameters
- Adding MCC Devices and Uploading Data to a Studio 5000 Logix Designer Application

Day 3

- Working with Automatic Device Configuration for IntelliCENTER MCC Devices
- Adding IntelliCENTER ActiveX Controls to a FactoryTalk View Application
- Viewing IntelliCENTER Energy Software Data
- Adding Documentation to an IntelliCENTER Software Database
- Modifying the MCC Device Spare Parts List in IntelliCENTER Software
- Managing IntelliCENTER Software Databases

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