

PowerFlex 750-Series Configuration and Startup

OEM: Rockwell Automation • Duration: 2 Days (16 hrs) • Code: CCA182

COURSE MODULES & TOPICS

Course Purpose

- The A6 LCD HIM
- Connected Components Workbench™ software
- DriveExecutive™ software

Objectives

- Verify PowerFlex 750-Series drive installation
- Locate and modify PowerFlex 750-Series drive data using the A6 HIM and drive software Configure EtherNet/IP communications adapter for a PowerFlex 750-Series drive
- Startup a PowerFlex 750-Series drive
- Interpret PowerFlex 750-Series control block diagrams
- Control PowerFlex 750-Series drive operation
- Create a DeviceLogix program in a PowerFlex 750-Series drive

Prerequisites

- Working knowledge of electricity, and knowledge of electrical and industrial safety (including PPE requirements and safe practices)
- Completion of the AC/DC Motors and Drives Fundamentals course (CCA101) or equivalent experience

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course
- Lab Book provides learning activities and hands-on practice. Solutions are included after each exercise for immediate feedback.
- PowerFlex 750-Series AC Drives Programming Manual Source of drive parameters and other key data
- Contains frequently referenced programming documentation
- PowerFlex 750-Series AC Drives Installation Instructions Source for the basic steps for mechanical installation and for connecting incoming power, the motor, and basic I/O
- Wiring and Grounding Guidelines for Pulse Width Modulated (PWM) AC Drives Provides basic information to install, protect, wire, and ground PWM AC drives

Course Agenda

Day 1

- Verifying the PowerFlex 750-Series Drive Installation Environment
- Verifying PowerFlex 750-Series Drive Wiring and Grounding
- Locating and Modifying PowerFlex 750-Series Drive Data Using the A6 HIM
- Configuring EtherNet/IP Communications for a PowerFlex 750-Series Drive

Day 2

- Locating and Modifying PowerFlex 750-Series Drive Data Using Drive Software
- Starting Up a PowerFlex 750-Series Drive
- Interpreting PowerFlex 750-Series Control Block Diagrams
- Controlling PowerFlex 750-Series Drive Operation