

PowerFlex 750-Series Maintenance and Troubleshooting

OEM: Rockwell Automation • Duration: 2 Days (16 hrs) • Code: CCA183

COURSE MODULES & TOPICS

Objectives

- Locate PowerFlex 750-Series drive hardware
- Locate and modify PowerFlex 750-Series drive data using the A6 HIM and drive software
- Clear PowerFlex 750-Series drive alarms and faults
- Perform predictive maintenance using PowerFlex 750-Series parameters
- Troubleshoot PowerFlex 750-Series load/environmental faults and equipment malfunctions

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 AC/DC Motors and Drives Fundamentals course (CCA101) or equivalent experience
- Previous experience with PowerFlex 700 Vector Control and/or PowerFlex 700S drives is recommended but not required

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities
- Lab Book provides learning activities and hands-on practice
- 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: Provides steps for installing and wiring drives
- Contains frequently referenced installation data

Course Agenda

Day 1

- Locating PowerFlex 750-Series Drive Hardware
- Locating and Modifying PowerFlex 750-Series Drive Data Using the A6 HIM
- Locating and Modifying PowerFlex 750-Series Drive Data Using Drive Software
- Clearing PowerFlex 750-Series Drive Alarms and Faults

Day 2

- Performing Predictive Maintenance Using PowerFlex 750-Series Parameters
- Troubleshooting PowerFlex 750-Series Load and Environmental Faults
- Troubleshooting PowerFlex 750-Series Equipment Malfunctions
- Integrated Practice: Maintaining and Troubleshooting a PowerFlex 750-Series Drive