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AUTOMATION

TUE. DEC. 19 - WED. DEC. 20
8 AM - 5 PM

SMC CAPE GIRARDEAU
2333 RUSMAR ST.
CAPE GIRARDEAU, MO
63703

COURSE NUMBER CCA183

POWERFLEX 750-SERIES
MAINTENANCE AND TROUBLESHOOTING

TRAINING EVENT

This course is designed for individuals responsible for maintaining and troubleshooting PowerFlex 750-Series drives. The PowerFlex 750-Series Maintenance and Troubleshooting Course provides hands-on learning and extensive practice.

This skill-building course introduces concepts and techniques that will assist you in successfully maintaining and troubleshooting a PowerFlex® 750-Series (PowerFlex 753 or PowerFlex 755) drive. You will learn how to recognize PowerFlex 750-Series drive hardware and properly wire the drive. You will also learn to diagnose specific faults.

This course offers extensive hands-on opportunities. An in-class workstation allows students to replace PowerFlex 750-Series drive components and troubleshoot faults and alarms. The PowerFlex 750-Series drive workstation introduces real-world maintaining and troubleshooting situations into a classroom setting.

This course will award 1.4 CEUs.

+ HANDS-ON

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises.

COST

$1,300
Includes lunch

REGISTER

To register, contact Erica Masterson at emasterson@smcelectric.com by Tuesday, November 28.

Throughout the course, you will have the chance to use a variety of maintenance and troubleshooting tools, including:

- The A6 LCD HIM
- Connected Components Workbench™ software
- Drive Executive™ software

After each demonstration, you will be given exercises that offer hands-on practice using a PowerFlex 753 or PowerFlex 755 drive. This two-day course can be taken as a stand-alone course, or in conjunction with other courses in the PowerFlex curriculum for further skills development.

Prerequisites

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 (Course No. CCA101) or Fundamentals of AC and DC Motors and Drives Web-based training (ePass/WBT1PACK) or equivalent experience

- Previous experience with PowerFlex 700 Vector Control and/or PowerFlex 700S drives is recommended but not required

SCHEDULE

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