



Training Description

MOVIDRIVE® B – Operation, Startup and Troubleshooting

Especially in plant engineering, the maintenance engineer is often also responsible for startup. In this training you will acquire the necessary basic knowledge for this in consolidated form. The training focuses on startup, parameter setting, quick troubleshooting, inverter replacement and fieldbus operation. For customers who also have to operate and startup the integrated IPOS^{plus}® positioning and sequence control system, we have added a day that deals with this particular subject.

- Target group:** Maintenance personnel, startup engineers, designers and project planners
- Seminar objectives:** Participants will be able to:
- Startup a motor in the VFC and CFC operating modes
 - Set the parameters for terminals, setpoints, ramps and messages
 - Save data with PC and keypad and upload it to the inverter
 - Analyze faults and eliminate them
 - Control the inverter via fieldbus
 - Use the integrated IPOS^{plus}® positioning and sequence controller to perform a reference travel and relative and absolute positioning
- Contents:**
- Day 1:
- Properties of the AC motor when operated on the supply system and on the inverter
 - V/f characteristic curve as a basis for inverter control
 - Parameter setting
 - Startup in VFC operating mode
 - Data backup with PC and keypad, preparing inverter replacement
 - Fault diagnostics with SCOPE function
- Day 2:
- Manual operation of the inverter
 - Startup in VFC-n and CFC control modes
 - Startup for fieldbus operation
 - SEW fieldbus unit profile
 - Fieldbus monitor, fault diagnostics, control via fieldbus
- Day 3:
- IPOS^{plus}® user interface, variables and command input, positioning and sequence control
 - Performing reference travel
 - Relative and absolute positioning
 - Testing of learned material
- Requirements:** Electrical engineering basics or qualification as electrician
- Methods:** Educational dialogs, practical exercises
- Location:** SEW
- Duration:** 3 days