SIEMENS

Online training: SINAMICS G120 - Service and commissioning in TIA Portal (DR-G12-PMT)

Short Description

In this course you learn to commission the inverter and adapt the parameters. You can make a data backup, and taking the appropriate measures when faults occur.

Objectives

SINAMICS G120 allow the variable-speed operation of induction motors to drive pumps, fans, conveyor systems and many other machines.
This course shows you how to handle the SINAMICS G120 inverter using Software Startdrive within the TIA Portal
After the course you are able to be correctly commission the inverter and adapt it to address the particular application. You know suitable inverter functions and parameter settings for a wide range of applications. You can make a data backup, and taking the appropriate measures when faults occur.

Target Group

Commissioning engineers
Service personnel

Content

Design and principle of operation of the SINAMICS G120 inverter with:
- Control Unit CU
- Power Module PM

Parameterization, data backup and diagnostics with:
- BOP-2 and IOP-2 operator panels
- Software Startdrive in TIA Portal

Setpoint channel and closed-loop control
Control signals and signal interconnections
Inverter functions
Practical exercises using the training device with:
- SINAMICS CU240E-2 PN with PM 240 FS A
- SIMOTICS induction motor

Prerequisites

Basic knowledge of electrical engineering

Type

Online-Training

Duration

3 days

Language

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