SIEMENS

Online-Training - SINAMICS G120 - Parameterizing and Commissioning (DR-G12-PM)

Short Description

In this online-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.
You will deepen your theoretical knowledge through numerous practice-oriented exercises in our remote learning environment with SINAMICS G120.

Target Group

Commissioning engineers
Service personnel

Content

Design and principle of operation of the SINAMICS G120 inverter with:
- Control Unit CU, Power Module PM
- Variants G120C, G120D, G120X and G115D

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

Function Charts: Setpoint channel, I/Os, free function blocks
Control signals and signal interconnections using BiCo-technology
Inverter functions and closed loop control
Practical exercises using the training device with SINAMICS CU240E-2 PN and PM 240-2

Prerequisites

- Basic knowledge of electrical engineering
- Technical requirements > MyLiveZone

Note

none

Type

Online-Training

Duration

2 days

Language

en

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