

SINAMICS G120 - Parameterizing 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

Upon completion of this course, the student shall be able to:

- 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 Startdrive software within the TIA Portal.
- After the course you will be able to correctly commission the inverter and adapt it to address a 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 or CU250S-2 PN with PM x40
- SIMOTICS induction motor

Type

Face-to-face training

Duration

3 days

Language

en