SIEMENS

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

Descrição resumida

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.

Objetivos

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.

Grupo alvo

Commissioning engineers
Service personnel

Conteúdo

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

Pré-requisitos

Basic knowledge of electrical engineering

Observações

The exercises are conducted using the SINAMICS G120. The acquired knowledge can be easily transferred to the SINAMICS G120C, G120D, or G120P variants.

Included in the course price: Free access to the digital learning platform SITRAIN access – starting one week before the start of the course until two weeks after the end of the course. Here you will find web-based trainings on SINAMICS Converters as well as other topics such as Industrial Automation Systems SIMATIC and many more. With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

Tipo

Treinamento presencial

Duração

2 dias

Idioma

en

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