

Gestione di convertitori SINAMICS G120 tramite oggetti tecnologici in TIA Portal (SIE-G12TO)

Short Description

The SINAMICS G120 frequency converter is ideal for the precise and economical regulation of three-phase motors, suitable for multiple drive solutions thanks to power ratings from 0.37 kW to 250 kW. The possibility of integration in the TIA Portal environment allows a better versatility and management of the system. The course will provide you with the basic skills for the first commissioning of a SINAMICS G120. It will allow you to acquire the basics for parameterizing a SINAMICS G120 drive via Startdrive and its control and operation using the technology objects of an S7-1500.

Objectives

After attending the course, you can:

- Integrate a SINAMICS G120 drive into a TIA Portal project
- Establish a connection between a SINAMICS G120 and a SIMATIC S7-1500
- Configure a SINAMICS G120 as a technology object in speed and positioning
- Use the diagnostic functions of the TIA Portal

Target Group

Programmers
Commissioning engineers
Engineering personnel

Content

- Architecture of a SINAMICS G120 system and types
- Parameterization of a SINAMICS G120 via SINAMICS Startdrive
- Fundamental concepts on technological objects
- Speed control of a SINAMICS G120 via technology object
- Positioning control of a SINAMICS G120 via technology object
- Basic diagnostics and trace functions
- System diagnostics

Theoretical knowledge will be deepened with practical exercises by accessing a remote system. This is made up of:

- SINAMICS G120
- SIMATIC S7-1500
- PC station with SIMATIC STEP 7 Professional (TIA Portal) and SINAMICS Startdrive

Prerequisites

SIE-G12GS course or equivalent basic knowledge of automation systems.
Knowledge of SIMATIC S7-1500 automation system is recommended.

Note

This course delivery data will be decided together with you: please get in touch to digitalindustryacademy.rc-it@siemens.com, tell us your needs and we'll be glad to find a tailored solution for you!

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Type

Online-Training

Duration

4 hours

Language

it

Fee

760 EUR
Price for semi individual session up to 2 participants

1400 EUR
Price for session up to 5 participants