

TIA S7-1500 and Sinamics G120 (TIA-DRIVE)

Short Description

You will learn how Sinamics G120 drive is commissioned and parametrized with the TIA Portal StartDrive. You will learn the typical drive-PLC programming types; bus command, library functions (Sina Speed, Sina Para S, PZD_G120_Tel_352), Technology objects (To_SpeedAxis ja TO_PositioningAxis). You will learn to use telegrams 1,3 and 352 and the safety telegram 30. You are able to configure the basic and extended safety functions STO, SS1 and SLS and perform the safety acceptance test.

Target Group

Programmers
Commissioning engineers
Engineering personnel

Content

- Adding the G120 Drive into the TIA-Project
- Profinet-communication and topology
- Startdrive program basics
- Commissioning, optimization, backups
- Trace function
- Library functions
- Basic safety STO and SS1
- Extended safety (SLS)
- Safety acceptance test
- Technology objects

Prerequisites

TIA-Programming1 or corresponding knowhow, the basics of drive technology.

Note

The course teaching and material language is English. The material is provided for students in electrical form as pdf document.

Training Devices:

- SIMATIC S7-1500F
- Profinet I/O ET200 SP
- Comfort-panel
- Sinamics G120 CU250
- PG M6 / TIA Portal Step7 V21.x

1 training set / 2 students

Export control AL :N / ECCN:N

Type

Face-to-face training

Duration

2 days

Language

en

Fee

980 EUR