

Parametrizzazione e messa in servizio SINAMICS S120 con SINAMICS Starter. Transizione 5.0 con attestazione finale superamento esame. (IT5P-DR-S12-PM)

Short Description

Modern converter systems offer a variety of functions and setting possibilities. By a purposeful procedure you could save time and avoid faults. In this course you will learn the procedure at commissioning SINAMICS S120 step by step. You can handle parameter setting and data saving with the software SINAMICS Starter. By a correct parameter setting you will support the reliable operation of the entire plant. After the course you will put the converter system SINAMICS S120 efficiently into operation. You can adapt the parameters of the closed-loop controller to the respective application and use the diagnostic tools in case of a fault. The course includes a final examination with a certificate of achievement

Objectives

After attending the course, you can:

- Install all components of a SINAMICS S120 drive
- Recognize the benefits of DRIVE-CLiQ
- Parameterize a SINAMICS S120 drive via SINAMICS Startdrive and commission it
- Use the built-in diagnostic features

Target Group

Maintenance personnel
Service personnel
Commissioning engineers

Content

- Panoramica di sistema SINAMICS S120: control unit, line infeed and motor modules
- Motors, encoders and interfaces
- Parameterization, data backup and diagnostics using Software STARTER
- Online connection via PROFINET and Ethernet
- Project structure: drive objects and drive components
- Topology of the DRIVE-CLiQ-Interface
- Function charts: setpoint channel, Input and output signals
- Control signals and internal signal interconnection using BiCo-technology
- Optimization of the closed loop control using automatic procedures
- Functional principle of the operating modes Servo and Vector
- Analysis of the operating status using enable signals, warnings and alarms
- Monitoring of signals using the trace-function
- Introduction to Positioning and Safety Integrated
- Data exchange with SIMATIC S7 via PROFINET using PROFIdrive Standard Telegram

The theoretical knowledge will be deepened with numerous practical exercises on a SINAMICS S120 drive connected to two motors.

Prerequisites

Basic knowledge of drive technologies.

Note

IMPLEMENTING DECREE AUGUST 2024 :
Transition 5.0: Trailed Expenditure
Energy transition A .5

Type

Face-to-face training

Duration

2 days

Language

it