

SINAMICS G120 - Parameterizing Safety Integrated (DR-G12-SAF)

Objectives

You are responsible for commissioning SINAMICS G120 drives, and you are already comfortable with parameterizing basic functions. In this training course you will learn how the various safety functions operate, and for which applications they are suitable. You will therefore be able to utilize the benefits of Safety Integrated compared to conventional safety functions e.g. reduced cabling and faster standard commissioning.

After having participated in the training course, you will be able to correctly parameterize Safety Integrated in a SINAMICS G120 drive, and establish communications via PROFINET and terminal signals.

Target Group

Commissioning engineers
Programmers

Content

Fundamentals of machine safety and safety functions
Parameterizing safety functions with Startdrive in the TIA Portal
Principle of operation of the basic Safety Integrated STO, SS1, SBC functions
Controlling these functions via digital inputs and outputs
Controlling these functions via PROFIsafe and SIMATIC F-CPU
Principle of operation of the extended SLS, SSM, SDI functions
Carrying out an acceptance test
Diagnostics and replacing components
Practical exercises on training equipment with SINAMICS G120 and SIMATIC S7-1500 F

Prerequisites

Good knowledge of parameterization and commissioning of SINAMICS G120 in accordance with course DR-G12-PM (formerly DR-G120). Knowledge about SIMATIC S7 is helpful on the topic of PROFIsafe

Type

Face-to-face training

Duration

2 days

Language

en