

SINAMICS - Safety Integrated Commissioning and Service (DR-SAFETY)

Short Description

In this course, you will learn how to configure the safety functions of SINAMICS Next Generation converters (with FW V6.x) during commissioning and how to use them during operation.

Objectives

In this course, you will learn how to use the SINAMICS safety functions of the SINAMICS Next Generation converters (with FW V6.x):

- Overview of the available safety functions of SINAMICS converters
- Commissioning and monitoring of the safety functions of SINAMICS converters
- Executing acceptance and activation tests

Target Group

- Commissioning personnel
- Service personnel
- Maintenance personnel
- For planners and project engineers, the course "Functional Safety in Machine and System Manufacturing" (ST-FASAFN) is recommended

Content

Short overview of relevant standards and regulations
Operating principle of the safety functions integrated in SINAMICS
Control of safety functions via onboard terminals and via PROFINET / PROFIsafe
Commissioning of basic safety functions
Overview of available safety functions
Verification of the implemented safety measures:

- Safety Integrated acceptance test
- Safety Integrated activation test
- Documentation and archiving of test results

Service and maintenance with activated safety functions
Module replacement with activated safety functions
Practical exercises with a SINAMICS training unit (e.g., SINAMICS S210)

Prerequisites

Basic knowledge of drive technology
Basic knowledge of SIMATIC TIA Portal (corresponding to the courses TIA-SERV1 or TIA-PRO1)
Basic knowledge of functional safety (corresponding to the course ST-FASAFN)

Note

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.

Type

Face-to-face training

Duration

3 days

Language

en