

SINAMICS S120 - Parameterizing Safety Integrated (DR-S12-SAF)

Krátký popis

In this course you learn the handling of drive based Safety Functions. You know their applications and you can parameterize them using Startdrive in the TIA Portal.

Cíle školení

In this course you learn the handling of drive based Safety Functions. You know applications of the different functions and you can parameterize them using Startdrive in the TIA Portal. Therefore you use the benefits in comparison with a conventional safety technology, like reduced cabling or faster commissioning of identical machines. In the course you got through all steps for the implementation of the safety functions until the final acceptance report.

Cílová skupina

Programmer
Commissioning personnel, Engineering
Service personnel
Maintenance personnel

Obsah školení

Fundamentals, standards and regulations of Machine Safety
Procedure of risk assessment
Performance Level (PL) and Safety Integrity Level (SIL)
Safety Evaluation Tool (SET) for the evaluation of PL and SIL
Parameterization using Startdrive in the TIA Portal:
▪ SINAMICS S120 Safety Integrated Basic Functions and Extended Functions
▪ Control of the drive integrated Safety Functions via SIMATIC F-CPU and PROFIsafe
Effect of the settings of the closed-loop control and the kinetic energy of an axis on the safety functions
Execution of the acceptance test and preparation of the acceptance report
Procedures for the handling of spare parts and at retrofit measures
Practical exercises on training kits with SINAMICS S120 and SIMATIC F-CPU

Vstupní požadavky na účastníka

Knowledge of SINAMICS S120 according to the course DR-S12-PM (formerly DR-SNS-SI) or DR-S12-PMT.
For the topic PROFIsafe knowledge of SIMATIC S7 is useful.

Poznámky

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.

Typ školení

Prezenní školení

Trvání

4 dny

Jazyk

en