

SIEMENS SINAMICS S120 – SERVICE AND COMMISSIONING

COURSE SPECIFICATIONS

Course Code: DR-S12-PM

Course Length: 5 Days

**Previously known as Siemens Sinamics S120 (with Servo Motor) - Diagnostics and Service. (Old Course Code: DR-SNS-SI)*

TARGET AUDIENCE

Programmers, commissioning engineers, configuring engineers, service personnel and maintenance personnel.

PRE-REQUISITES

Successful completion of the SD-DRV-FUN course and SIMATIC S7 (SERV 1), or sound knowledge base of variable speed drives.

COURSE OBJECTIVES

This training course encompasses the basics of the SINAMICS S120 drive system. It provides the technical knowledge required for startup, parameterization, drive optimization, and troubleshooting.

Practical exercises for reinforcing the knowledge gained are carried out on the SINAMICS S120 Training Case. On completion of the course, you will be able to implement automation solutions with the SINAMICS S120. You can carry out startup and optimization of the SINAMICS S120 quickly and effectively with skilful use of the STARTER commissioning tool. In this way, you reduce engineering costs and minimize downtimes in your plant.

You can gain advanced knowledge of communication with PROFIBUS.

LEARNING OUTLINE

1. Design of the Drive System and Overview of Documentation and Service
2. Startup and Parameterization with the STARTER Commissioning Tool
3. Diagnostics and Troubleshooting
4. Fundamentals of Communication Via PROFIBUS
5. Software Functions, Closed-Loop Control and Optimization of SERVO and VECTOR Drives
6. Startup of the Integral Basic Positioner (EPOS)
7. Practical Exercises on the Training Kit

CERTIFICATION

Successful participants will receive an **international Siemens certificate**. Siemens LTD is accredited by **merSETA** to fulfil the functions as contemplated in SAQA regulation 13 for the standards and qualification as detailed in the statement of accreditation.

MERSETA TRAINING PROVIDER

Onetrust Training Solutions has received full accreditation as a **merSETA Training Provider**. (Certification number: 17-QA/ACC/2313/21.) We are in the process of extending our scope of accreditation for most of our individual training courses and skills programmes.

CONTACT DETAILS

Further enquiries may be directed to:

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