

SINAMICS G120 With TIA Portal (DR-G12TIA)

Short Description

SINAMICS G120 with TIA Portal

Objectives

Making participants familiar with SIEMENS make AC Drive: SINAMICS G120.

The participants should be able to wire and power the drive, parameterize the drive for different requirements, using operator interfaces, understanding the Engineering concepts, commissioning steps and fault diagnostics in the Drive.

Target Group

Users, Commissioning / Service /Maintenance Engineers

Content

Discussion of modern frequency converter.

- .. Specifications, range, features and hardware details of Sinamics G120
- .. Block diagram of the product, terminal details
- .. Computer assisted setup and operation (using TIA-Portal).
- .. Parameter structure and quick commissioning procedure
- .. BICO technology, working with programmable binary and analog inputs and outputs
- .. Control and status word
- .. Set point channel
- .. Signal flow - Various control modes for Sinamics G120 and principle of vector control
- .. Using various Data sets – CDS, DDS
- .. Different types of Braking methods
- .. Special functions available in various control units of Sinamics G120 family
- .. Using Free Function Blocks
- .. Diagnostics
- .. Hands

Prerequisites

Engineers in Electrical / Electronics Engineering with basic working Knowledge of AC Drives

Type

Face-to-face training

Duration

4 days

Language

en

Fee

22,000 INR