

Course description

G3905e

ACS580-01 Technical hardware details, Internet course

Course type

Internet course

Course Duration

The course duration is approximately 15 minutes.

Course Goal

The goal of this course is for you to familiarize yourself with the technical details of the ACS580 general purpose drive.

Student Profile

Persons who install ACS580-01 general purpose drives.

Prerequisites

- G3900e – General purpose drives, ACS580 series offering, Internet course
- Recommended: G374e – All-compatible panel fundamentals, Internet course
- Recommended: G375e – Drive composer entry fundamentals, Internet course
- An Internet connection. The recommended browser is Microsoft Internet Explorer.

Notes

If you have no experience of working with drives, it is highly recommended to take a hands-on course in addition to this course, to be able to utilize the drive to its full potential.

Course Objectives

Upon completion of this course, you will be able to:

- Distinguish between control units CCU-11 and CCU-12
- Choose I/O extension and connect external 24 V supply
- Describe the drive structure
- Read the type plate and stickers
- Disconnect the EMC filter
- Dimension the brake resistor
- Perform I/O grounding and configurations
- Change AO2 to voltage signal
- Connect instrumentation transmitters
- Derate the drive unit

Main Topics

- Different control units
- Drive structure
- Connectivity
- Drive structure
- Disconnecting the EMC filter
- Type and info plates
- Brake resistor dimensioning
- I/O grounding and configuration
- Voltage signal from AO
- Installation of instrumentation transmitters
- Derating
- Motor control functions
- Energy efficiency features

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