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## COURSE DESCRIPTION

# G3905e ACS580 Technical hardware details, Internet course

### Course type

This is a web-based training 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 Edge or Google Chrome.

### Course objectives

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

- Distinguish between control units CCU-23 and CCU-24
- 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

### Main topics

- Different control units
- Drive structure
- Connectivity
- 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