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