

Course description

G101e_b

Basics of AC drives Hardware construction

Course type

Internet course

Course Duration

The course duration is approximately 30 minutes.

Course Goal

The goal of this course is to give the student a basic understanding of the hardware construction and main parts of an AC drive.

Student Profile

This course is intended for customers', ABB and partners' personnel who want to understand the hardware structure of an AC drive.

Prerequisites

- n 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

After this course you will be able to:

- n List the main parts of an AC drive (frequency converter) and describe its main functions
- n Describe different hardware constructions of an AC drive
- n Describe electrical braking

Main Topics

- n Main components of an AC drive
 - o Rectifier
 - o DC voltage intermediate circuit
 - o Inverter
- n Single and multidrives
- n Electrical braking
- n Cooling methods
- n Protection classes

Low voltage drives training

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