Course type

Internet course

Course Duration

The course duration is approximately 30 minutes.

Course Goal

The goal of this course is to give an overview of how to configure ACS880 cabinet-built safety options with the FSO module.

Student Profile

This course is intended for ABB service engineers.

Prerequisites

- G3850e – FSO fundamentals, Internet course
- G3851e – FSO configuration, Internet course
- G3853e - Introduction to ACS880 cabinet-built safety options with the FSO module, Internet course
- Recommended: G111e – ACS880 functional safety overview, 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

After this course, you will be able to describe:

- The functionality of cabinet-built safety options
- Uses of I/Os with different options.
- How the standard options are preconfigured (e.g., +Q979)

You will also know how to:

- Verify customer STO circuits onsite using FSO LED indications
- Do the follow up actions:
    - Back up FSO configuration
    - Test the whole circuit after FSO change
    - Give a report and parameters to customer
    - Place a report to an ABB system (e.g., Drives Installed Base)
- Use FSE-31 pulse encoder interface module with FSO-21 safety functions module
- Use PROFIsafe with FSO

Main Topics

Single drive:

- +Q972/Q973 (FSO module only, no FS-options)
- +Q972/Q973**+Q979** (E-stop with STO)
- +Q972/Q973**+Q978** (E-stop with MCB)
- +Q972/Q973**+Q950** (POUS)
- +Q972**+Q965** (SLS with encoder)
- +Q972/Q973**+Q971** (ATEX with FSO)
- +Q972/Q973**+Q982** (PROFIsafe)

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Main Topics

Multidrives:

- +Q972/Q973 (FSO module only, no FS-options)
- +Q972/Q973**+Q979** (E-stop with STO)

- +Q972/Q973**+Q950** (POUS)
- +Q972/Q973**+Q966** (SLS without encoder)
- +Q972**+Q965** (SLS with encoder, with FSO-21)
- +Q972/Q973**+Q971** (ATEX with FSO)
- +Q972/Q973**+Q982** (PROFIsafe)

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