
COURSE DESCRIPTION

G380

ACS880-01 Operation, Start-up and Basic Maintenance



Course type and description

The ACS880-01 Operation, Start-up and Basic Maintenance learning event consists of theory and hands on .

A classroom course with ACS880-01-related theory and hands-on lab activities supported by an instructor.



Course duration

The course duration is 2 day.



Student profile

This course is intended for electricians, technicians, and engineers who install, operate and service ACS880 drives.



Course goal

The goal of this course is to teach students to install, start-up, adjust and operate ACS880-01 drives.



Course objectives

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

- Commission and tune ACS880 drives
- Operate ACS880 drives
- Do basic maintenance for ACS880-01 drives.



Main topics

- ACS880 hardware and firmware basics
- ACS880 primary control program
- Control panel functions
- ACS880-01 start-up procedure
- Parameterization of the converter
- Installation principles
- Optional equipment connections
- DriveComposer commissioning and maintenance PC-tool



Prerequisites

Prior to attending this course, students should have:

- Basic knowledge of power electronics.
- Experience in using a Windows PC environment.

COURSE DESCRIPTION

G3881

ACS880-Multi drive Operation, Start-up and Basic Maintenance



Course type and description

The ACS880 multidrive Operation, Start-up and Basic Maintenance learning event consists of theory and hands on .

A classroom course with ACS880-multi drive-related theory and hands-on lab activities supported by an instructor.



Course duration

The course duration is 2 day.



Student profile

This course is intended for electricians, technicians, and engineers who install, operate and service ACS880 multi drives.



Course goal

The goal of this course is to teach students to install, start-up, adjust and operate ACS880-multi drives.



Course objectives

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

- Commission and tune ACS880 multi drives
- Operate maintain ACS880 multi drives
- Exchange modules



Main topics

- ACS880 hardware and firmware basics
- ACS880 primary control program
- Control panel functions
- ACS880-multi start-up procedure
- Parameterization of the converter
- Installation principles
- Locating and identifying terminals, boards and other components.
- DriveComposer commissioning and maintenance PC-tool
- Reading and interpret circuit diagrams
- Fault diagnostics



Prerequisites

Prior to attending this course, students should have:

- Basic knowledge of power electronics.
- Experience in using a Windows PC environment.

COURSE DESCRIPTION

G3890

ACS880LC/CLC Start-up, Commissioning and Basic Maintenance, Hands-on



Course type and description

This is a classroom course with hands-on exercises supported by an instructor. The course contains hands-on exercises with ACS880CLC cabinet drives.

The first part of the learning event includes the theory-based courses, which are essential to succeed in this course's hands-on exercises during the second part.



Course duration

The course duration is 2 day.



Student profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS880 liquid-cooled drives.



Course goal

The goal of this course is to teach students to start-up, adjust, operate, maintain and repair ACS880 liquid-cooled supply, inverter and cooling units.



Course objectives

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

- Commission and perform maintenance on ACS880 liquid-cooled drives.
- Draining and filling ACS880 liquid-cooled cooling circuit.
- Operate ACS880 liquid-cooled units.



Main topics

- Construction of drives, supply and cooling units.
- Cooling methods drives, supply and cooling units.
- Functionality and start-up of the cooling unit.
- Modules and fans replacement.
- ACS880LC I/O bus construction and operation.



Prerequisites

Prior to attending this course, students should have:

- Basic knowledge of power electronics and hydraulics.
- PC window knowledge .

COURSE DESCRIPTION**G384**

ACS880-04/-04XT and -07 Operation, Start-up and Basic Maintenance, Hands-on

**Course type and description**

The ACS880 Operation, Start-up and Basic Maintenance learning event is a classroom training with hands-on exercises supported by an instructor.

**Course duration**

The course duration is 2 day.

**Student profile**

This course is intended for electricians, technicians, and engineers, who maintain, operate and service ACS880-04/-04XT and -07 ABB drives.

**Course goal**

The goal of this course is to teach students to start-up, adjust, operate and maintain ACS880-04/-04XT and -07 ABB drives.

**Course objectives**

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

- Commission and operate ACS880-07 drives
- Do basic maintenance on ACS880-04/-04XT and -07 drives

**Main topics**

- ACS880-04 location and basic maintenance
- ACS880-07 location and basic maintenance
- ACS880-07 start-up and operation
- ACS880-07 module replacement
- Drive Composer commissioning and maintenance PC-tool
- Parameterization
- Control panel functions .

**Prerequisites**

Prior to attending this course, students should have:

- Basic knowledge of power electronics.
- Experience in using Window PC .