

## 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 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.



### 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.



### 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 objectives

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

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



### 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.



### 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 .