

Training Course CZ046

620 series relays in UniGear ZS1 switchgears

**Course ID**

CZ046

Course Venue

Brno, Czech Republic

Course Duration

3 days

Course Language

English

Register at

Brno.ABBuniversity@cz.abb.com

Course Goal

The goal of the program is learning 620 series relay operation, setting and configuration in UniGear ZS1 switchgear.

Participant Profile

Service engineers, operation and maintenance personnel and external consultants are the target audience for this training

Prerequisites and Recommendations

The course is built for beginners in the UniGear ZS1 switchgear maintenance, operation and servicing, technicians as well as maintenance engineers. Students shall have a basic knowledge of electrical switchgears and protection relays.

Learning Objectives

Upon completion students will be able to:

- operate and set 620 series relays via HMI
- operate, set and configure 620 series relays via configuration tool

Modules

The course is composed of following modules:

- CZ041 - Operation and setting of 620 series relays in UniGear ZS1 switchgear
- CZ042 - Programming of 620 series relays in UniGear ZS1 switchgear

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Training Module CZ041

Operation and setting of 620 series relays in UniGear ZS1 switchgear



Module ID

CZ041

Module Duration

1 day

Module Level

Level 1 - Basic

Goal

The course is aimed at learning 620 series relay operation and setting via HMI in UniGear ZS1 switchgear

Participant Profile

Service engineers, operation and maintenance personnel are the target audience for this training

Prerequisites and Recommendations

The course is built for beginners in the primary air insulated switchgears operation and maintenance. Students shall have a basic knowledge of electrical switchgears and protection relays.

Learning Objectives

Upon completion students will be able to:

- understand the basics of hardware of 620 series
- recognize the option/variant of 620 series suitable for particular application
- understand the operation of 620 series relays
- operate the circuit breaker via 620 series relays
- do the setting of 620 series relays via HMI

Main Topics

The course contains following topics

- 620 series introduction, hardware
- HMI operation of 620 series relays
- setting the parameters of 620 series relays via HMI

Training Module CZ042

Programming of 620 series relays in UniGear ZS1 switchgear



Module ID

CZ042

Module Duration

2 days

Module Level

Level 2 - Advanced

Goal

The aim of the course is to learn 620 series relay operation, setting and configuration in UniGear ZS1 switchgear

Participant Profile

The training is targeted to service engineers, testing and maintenance personnel, external consultants and electrical engineers

Prerequisites and Recommendations

The course is set up for personnel with basic experience in 620 series relays operation in UniGear ZS1 switchgear. Students shall know the 620 series relays human machine interface.

Learning Objectives

Upon completion students will be able to:

- understand the operation and setting of 620 series using configuration tool
- understand the configuration of 620 series relays in UniGear ZS1 application
- understand GOOSE signal configuration

Main Topics

The course contains following topics

- 620 series configuration tool introduction
- setting of 620 series relays via Configuration tool
- reading the configuration of 620 series relays
- reading the configuration of GOOSE signals
- working online and testing the configuration of 620 series relays