

Training course CZ026

615 series relays in UniGear ZS1 switchgears



Goal:

The goal of the program is learning 615 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 615 series relays via HMI
- operate, set and configure 615 series relays via configuration tool

Modules

The course is composed of following modules:

- CZ003 - Operation and setting of 615 series relays in UniGear ZS1 switchgear
- CZ007 - Programming of 615 series relays in UniGear ZS1 switchgear

Course duration

3 days

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Training module CZ003

Operation and setting of 615 series relays in UniGear ZS1 switchgear



Goal:

The course is aimed at learning 615 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 615 series relays
- recognize the option/variant of 615 series relays suitable for particular application
- understand the operation of 615 series relays
- operate the circuit breaker via 615 series relays
- do the setting of 615 series relays via HMI

Main Topics

The course contains following topics

- 615 series relays introduction, hardware
- HMI operation of 615 series relays
- setting the parameters of 615 series relays via HMI

Module Duration

1 day

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SERVICE OF MV, LV TECHNOLOGIES

Training module CZ007

Programming of 615 series relays in UniGear ZS1 switchgear



Goal:

The aim of the course is to learn 615 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 615 series relays operation in UniGear ZS1 switchgear. Students shall know the 615 series relays human machine interface.

Learning Objectives

Upon completion students will be able to:

- understand the operation and setting of 615 series using configuration tool
- understand the configuration of 615 series relays in UniGear ZS1 application
- understand GOOSE signal configuration

Main Topics

The course contains following topics

- 615 series configuration tool introduction
- setting of 615 series relays via Configuration tool
- reading the configuration of 615 series relays
- reading the configuration of GOOSE signals
- working online and testing the configuration of 615 series relays

Module Duration

2 days

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