

## Online-Training - Wartung und Bedienung von 3WL-Leistungsschaltern (LV-CBMAIN)

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### Short Description

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The online training is primarily aimed at maintenance and operating supervision personnel. Participants will learn the design, functional principal and operation of the circuit breaker as well as how to maintain it, identify errors and exchange spare parts if required.

[Also available as face-to-face training](#)

### Objectives

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The online training aims to give participants specialized knowledge about the maintenance and operation of **3WL air circuit breakers**.

### Target Group

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- Operation
- Maintenance personnel

### Content

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- Introduction and basic principles of low-voltage controlgear, switching principles
- Design, function and operation of 3WL circuit breakers
- Comprehensive practical unit with maintenance performance, installation and de-installation of the available accessories according to the catalog (such as ETU, motor operator, shunt release), maintenance instructions
- Introduction in protection settings of circuit breakers (characteristic curves, selectivity, back-up protection)
- Performing protection settings on the ETUs with practical training
- Test facilities of 3WL circuit breakers (internal testing, manual tester)
- Support available from Siemens (documents, website)

### Prerequisites

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- Basic principles of electrical engineering and power distribution.
- Knowledge of technical options and specifications of circuit breakers.

You will receive the WBT "Protection systems in low-voltage power distribution" in preparation for the presence section.

### Note

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Practical exercises on training systems (3WL circuit breakers and demo case).

### Type

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Online-Training

### Duration

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2 days

### Language

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