

# Operation and maintenance

## Vacuum circuit-breaker, Type VD4 classic



### Training objective

The objective is to acquaint participants with knowledge about the constructional design and the functions of the VD4 classic vacuum circuit-breaker.

General safety rules for work at the VD4 will be explained and participants learn the operation and the maintenance of the circuit-breaker.

An effective training is ensured by small group sizes.

### Participant profile

This instruction is targeted to operation and maintenance personnel of operators.

### Prerequisites

- extended knowledge of English language in reading and writing as well as technical terminology
- electromechanical education (Technician, Engineer)
- professional experience in handling electrical equipment over several years preferable
- basic knowledge in medium Voltage technology preferable

### Instruction contents

- company presentation
- ABB - Portfolio
- product presentation
- information about ABB - Service
- functionality of the vacuum circuit-breaker
- racking in/out the withdrawable circuit-breaker unit
- switching operations
- visual inspections
- voltage drop measurement
- thorough mechanical and electrical functional testing
- vacuum – check
- inspection of auxiliary switch- and operating mechanism settings
- maintenance concepts

### Your benefit

- product knowledge
- hands-on experience
- condition assessment
- occupational health & safety
- increase know-how
- proper functioning and highest possible availability due to safe operation, visual inspections and maintenance
- reduction on down times / service times due to qualified failure description

### General

- duration 3 days
- structure 30% Theory  
70% Practice
- group size max. 5 participants
- location ABB Trainings Center  
Oberhausener Strasse 33  
40472 Ratingen, Germany

**Note:**

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