

# Function, setting and testing – Extension course

## Relion® protection and control

### Relion® 630 series



#### Training objective

The focus in our one-day REF630 training is the function and handling of the distance protection from our 630 Series. An effective training is ensured by small group sizes.

#### Participant profile

This training is targeted to operation personnel, planning-, handling- and field service engineers.

#### 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
- Basic knowledge in digital logic, switchgear interlocking and protection conception

#### Instruction contents

- branch circuit protection with REF630
- Function, setting and checking of:
  - o overcurrent protective functions
  - o directed overcurrent protective functions
  - o distance protection functions

#### Your benefit

- Product knowledge
- Hands on training
- Increased efficiency
- Know-how enlargement
- Individual support/ troubleshooting
- Training material

#### General

- duration 1 day
- structure 30% Theory  
70% Practice
- group size max. 6 participants
- location ABB Trainings Center  
Oberhausener Strasse 33  
40472 Ratingen, Germany

**Note:**

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG.

Copyright© 2014 ABB  
All rights reserved

**Contact**

**ABB AG**  
**Service Power Technologies**  
P.O. Box 10 03 51  
68309 Mannheim, Germany  
Phone: +49 (0)621 381-3000  
Fax: +49 (0)621 381-2645  
E-Mail: [powertech@de.abb.com](mailto:powertech@de.abb.com)

[www.abb.de/service](http://www.abb.de/service)