

F340MAN

Maintenance of Low Voltage Circuit Breakers «MAN»

Course Duration

2 full days

As these scheduled days are fully maximized, participants are strongly recommended to arrive the day before training starts, and leave the day after training ends.

Location

Dalmine, Italy

Course type

This is a classroom course with hands-on activities led by an instructor. The course will be conducted in English.

Course Goal

The main target of the course is to train engineering and technical personnel on the general and specific features, installation procedures and settings of the different types ABB low voltage circuit breakers.

After this training, participants are equipped with the skills to carry out Ordinary Maintenance actions on their ACBs or MCCBs.

Student Profile

The basic training is intended for customers and end user of ABB products who want to improve their knowledge about low voltage breakers and their main applications.

The training will be organized for a minimum of 2 participants and a maximum of 6 participants to be trained in English by ONE ABB SACE skilled technicians for all the theory and practical demonstrations.

Prerequisites and Recommendations

A background in electro technical knowledge is recommended. Product E-Learning Courses are suggested, which should be completed prior to this training

Safety Provisions

All the participants will be supplied with the following safety devices:

- Latex gloves or equivalent
- Protective glasses

The following protection device will be at your charge:
Safety footwear with metal toe caps

Course Objectives

The course covers the following topics

- Breakers range and type
- General technical features
- Electrical performances
- Rating plugs
- Old and new electronic trip units: types, operations, settings and test (TS3, EKIP T&P, EKIP TT1, PR010/T)
- Faults, events, counters: how to control the plant
- Aux applications and accessories available
- Dismantling and assembling activities
- Maintenance procedure, practical session
- Installation procedures
- Available documentation overview

The topics will be specific to the ranges of breakers most relevant to the participants. They are decided together with the course plan, which is prepared and approved before the start of the course.

The following ranges of breakers can be selected:

Emax 2, New Emax, X1, Emax, Tmax XT, Tmax, Isomax.

Exclusions

Extraordinary maintenance activities involving components marked “A” (i.e. operating mechanism, springs, poles replacement) are excluded from the agenda as only selected technicians from ABB SACE Division are authorized to work with these parts.

Methods

During the course the following teaching methods will be used:

- Theoretical training (50%)
- Practical sessions (50%)
- Question and answer

Participants will be provided with the following material:

- Catalogues
- Technical and maintenance manuals

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Certificate

At the end of the training participants will be given a certificate of attendance. The certificate process that the participant has successfully completed the course promoted by ABB S.p.A, ABB SACE Division, and does not give authorization to carry out maintenance operation on the behalf of ABB S.p.A.- ABB SACE Division.

Enrollment

To enroll, please contact your local ABB Service Representative.

For more information please contact:

ABB SACE

A division of ABB S.p.A.

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