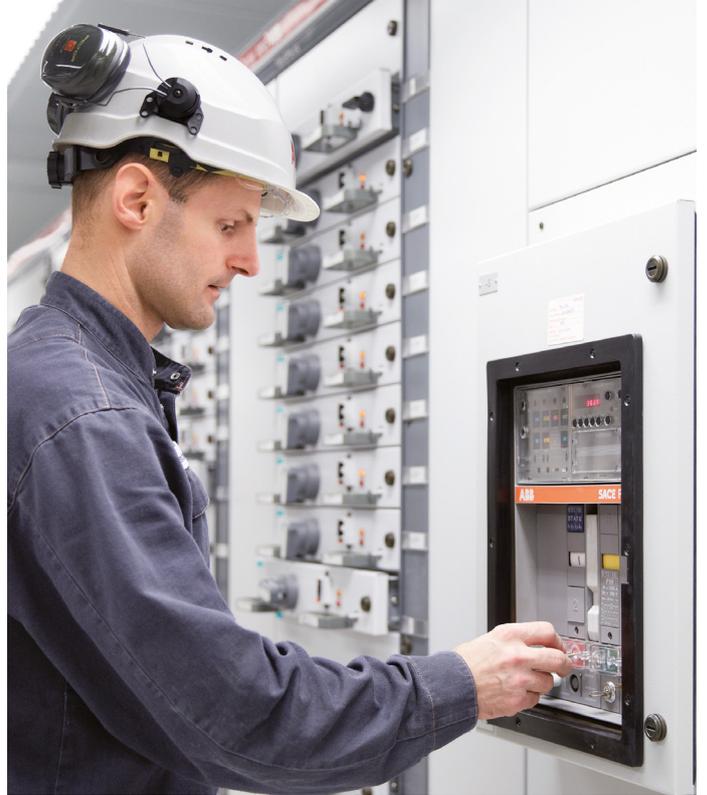


Smart retrofit solutions For low and medium voltage circuit breakers

ABB offers service retrofit solutions to extend the life-cycle of switchgears and circuit breakers. Thanks to ABB's smart retrofit solutions our customers can operate medium and low voltage equipment with improved safety and reliability, while at the same time reducing their investment cost. ABB's smart retrofit solutions are designed with both mechanics and electronics that fit with the existing solutions on the market, both on ABB and non-ABB installed base.



The use of the retrofit solutions provides several advantages:

- Easy and safe installation
- Strong fault risk reduction
- Improved operator protection, upgrade of plant protection and reliability based on last generation circuit breakers
- Extension of life-cycle
- Continuity of service guarantee
- Maximized up-time
- Limited capital investment
- Reduction in maintenance and repair cost



Upgrade of application and plant safety and protection



Reduction of capital investment



Easy and safe installation



Extension of life-cycle and improved continuous operation

Low voltage retrofit solutions

Replacement

Direct replacement solutions designed by ABB are fully interchangeable with the old products and allow a fast substitution of the old ABB circuit breaker with the new one.



Original megamax circuit breaker



New direct replacement Emax 2

Retrofitfill

Hard-bus retrofitfill solutions to replace the complete moving and fixed part of Emax with new moving and fixed part of Emax 2



Medium voltage retrofit solutions

Replacement

It is a properly designed circuit breaker interchangeable with the existing one and does not require significant modifications to the switchgear. This methodology allows exchanging the original device without the extended downtime required for the switchgear replacement.



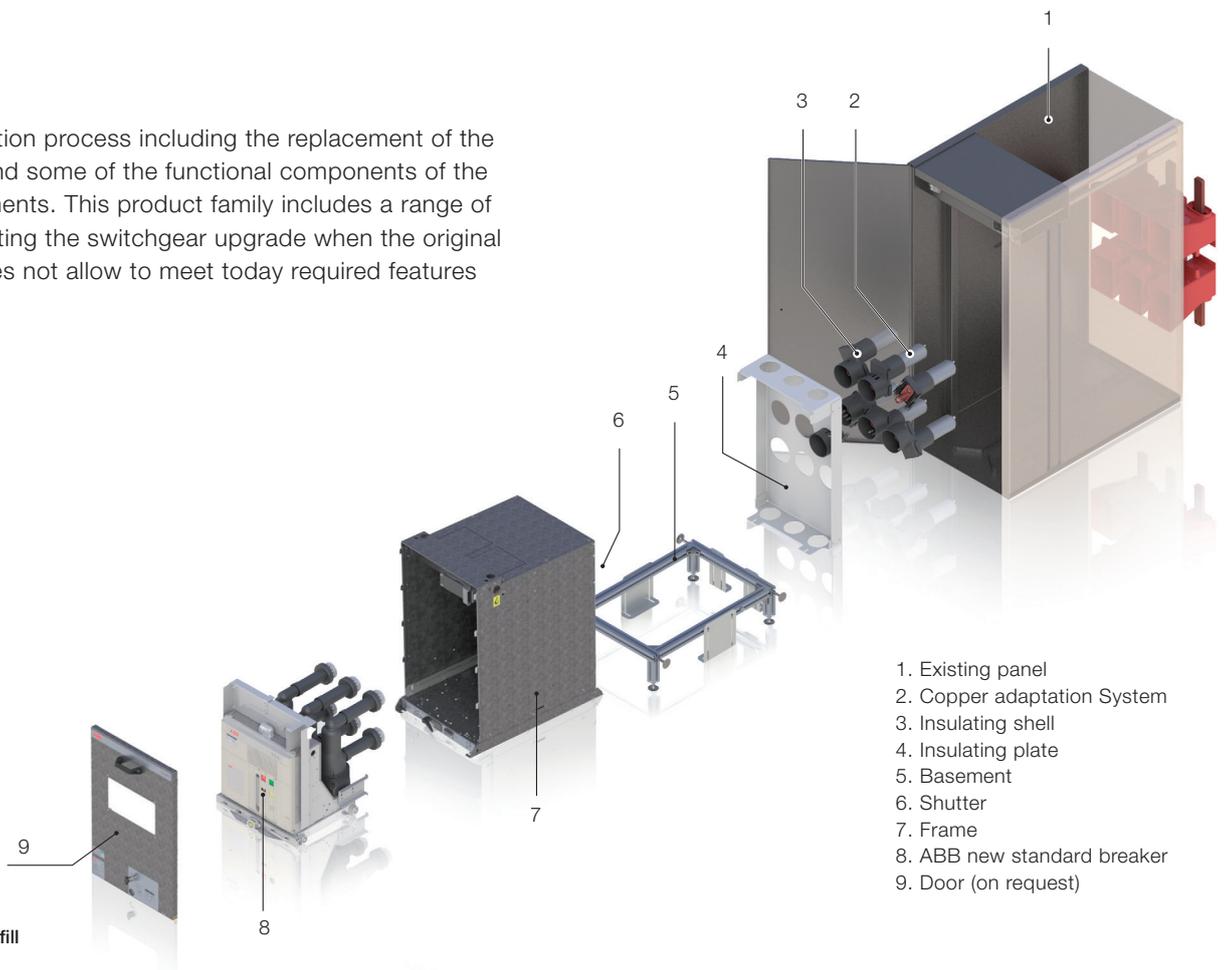
Original circuit breaker



New roll-in replacement

Retrofill

It is a modernization process including the replacement of the circuit breaker and some of the functional components of the power compartments. This product family includes a range of solutions supporting the switchgear upgrade when the original panel design does not allow to meet today required features or standards.



OneFit hard-bus retrofill

Contact us

Your Service sales contact: www.abb.com/contacts

More Service information: www.abb.com/productguide

The data and illustrations are not binding. We reserve the right to make changes without notice in the course of technical development of the product.

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