Service note  
New Retrofitting kit Cradle in Cradle  
SACE Otomax – New Emax

With just very few modifications and limited costs, the Retrofitting Kits are the perfect solution for improving low voltage switchgear. The replacement kits allow increased safety as well as guaranteeing service continuity, and avoid the need for costly spare parts thereby bringing down maintenance costs.

ABB SACE Division, a leader in low voltage protection circuit breaker design and production, has always paid special attention to customer satisfaction, supporting the client at all times during the life of the product (Life Cycle Management), from selection to after-sales service, thanks to its highly qualified internal structure.

In the field of low voltage circuit-breakers, the Service of ABB SACE Division – Low Voltage circuit-breakers ensures operating continuity between the previous series of its apparatus and those currently in production, by making its replacement kits available to its customers, which have been specially studied to preserve the existing switchgear and reduce downtimes to a minimum. The kits allow the latest generation circuit breakers to be mounted in replacement of the circuit-breakers of old concept which are no longer able to satisfy plant requirements for protection of the electric lines and those for safety of people.

Advantages
The use of the replacement kit provides notable advantages:
- Reduced investments compared to those required for installing brand-new switchgear;
- Reduced installation times and the possibility of spreading plant downtime over time, therefore increasing the guarantee of service continuity;
- Reduction in maintenance and repair costs;
- Safeguarding of investments in existing structures;
- Total possibility of interconnection with existing distribution systems;
- Immediate, simple and safe replacement;
- No structural modifications;
- Adaptations for auxiliary circuits;
- Greater plant control with the new electronic protections;
- All kits tested and certified.

Conversion Kit
The Kits allow the new apparatus to be adapted to the dimensional characteristics of the existing compartments, replacing all the obsolete models with latest generation products. All the replacement kits can be mounted by anyone as they are supplied completed with assembly instructions and electric interconnection diagrams.
Conversion Kit Otomax - Emax

It is now possible to replace Otomax air circuit breakers, withdrawable version from 800A to 3200A, with the New Emax series by using the Cradle in Cradle (CiC) retrofitting kit.

The kit consists of a dedicated chassis with special jaw contacts perfectly fitted into the Otomax fixed part.

A few easy actions are required for the mounting:
1- Remove the Otomax moving part;
2- Insert the retrofitting kit which includes the New Emax fixed part;
3- Insert the New Emax moving part.

The solution is fast and efficient as it does not require any sort of adapter to the existing installation. Moreover, the new circuit breaker can be equipped with all the electrical accessories available for the New Emax series.

All the retrofitting kits are tested and certified by ABB for fulfill the standards.

Ordering codes

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<th>Otomax 3p</th>
<th>Retrofitting kit</th>
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MP= Moving part  FP= Fixed Part

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