

Service note

New Novomax G30 Emax X1 - Conversion Kit

With just very few modifications and limited costs, the Conversion 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 – L.V. 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.



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 are supplied complete with assembly instructions and electric interconnection diagrams.



Novomax G30 - Emax X1 Conversation Kit

The old Novomax G30 series of circuit-breakers can be replaced with the latest Emax X1 series by using the new type of Conversion Kits. The circuit-breaker provided is Emax X1 in the FIXED version with rear horizontal terminals, fitted with the PR331/P LSI release. In any case, different types of releases can be supplied, according to the customer's specific requests.

The kit is made up of a special moving part to be inserted in the existing fixed part. There is no need for any dismantling operation of the existing fixed part. The only operation required is installation on the fixed part of a device which ensures locking on racking out, and a segregation which guarantees IP20 protection with the door open.

Test Report



Final test certificate



The Emax X1 circuit-breaker can also be supplied with the same accessories present on the old Novomax G30 circuit-breaker. In this case, on request, the kit can be completed with sliding contacts for power supply of accessories.

Ordering codes

| Conversion Kit | Associated CB | Replaced CB |
|---------------------|------------------------|---------------------------|
| 1SDA067137R1 | Emax X1N 800 – 1250 3P | Novomax G30 800 – 1250 3P |
| 1SDA067138R1 | Emax X1N 800 – 1250 4P | Novomax G30 800 – 1250 4P |
| 1SDA067133R1 | Emax X1N 1600 3P | Novomax G30 1600 3P |
| 1SDA067136R1 | Emax X1N 1600 4P | Novomax G30 1600 4P |

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