Generator circuit breakers retrofitting with VD4G onboard OneFit hard-bus retrofill

Small footprint with full protection for generator applications

OneFit is the latest ABB hard-bus retrofill design concept, providing an integrally safe plug-in technology to a wide range of existing panels. OneFit comprises a frame that hosts a standard circuit breaker connected to the existing switchgear bushings by an additional power circuit that acts as an internal interface with the new breaker. The adaptation system allows a completely standard ABB withdrawable apparatus to be fitted to the original switchgear.

The circuit breaker family designed for generator application is VD4G complying with dual logo IEC/IEEE 62271-37-013.

The result is a great improvement in reliability, safety, maintenance and performance. ABB Service is a complete system provider of retrofitting solutions, from proposal to design, manufacturing and testing, down to installation and commissioning.

Take advantage of using the compact OneFit retrofit solution to upgrade your circuit breaker installed base for generator application.

ABB has developed a retrofit solution in order to extend the safe operational life of an electrical facility using the VD4G vacuum generator circuit breaker.

Safety
- Great reduction in the risk of faults
- Additional incorporated safety features: the original shutter system and all the relevant interlocking are replaced
- Improved operator protection

Technology
- Latest generation apparatus

Project
- Short replacement times
- Minimum switchgear downtime
- Simple plant activities

Investment
- Limited capital investment
- Minimization of all further maintenance activities
- ABB warranty on the retrofit package, apparatus ready for future ABB replacement switchgear
- Equipment and spare parts are interchangeable with new ABB switchgear
Technical data
The OneFit is type tested with the VD4G range in the different frames sizes to support all ratings required and gives a new life to the switchgear with complete equipment revamping. Each generator has specific technical characteristics and therefore an application analysis is always needed.

The following basic technical data are required in order to provide retrofit solutions:
• single line diagram
• technical data sheet of generator, transformer and other grid equipment
• rating plate data and serial number
• photos of all four sides
• photo of the interior of the switchgear compartment
• existing functional electric circuit diagram.

Options
• TruckMaster remote motorized racking
• MySiteCare monitoring and diagnostic
• MyRemoteCare cloud based services
• Power Care customer support agreement

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Your sales contact:
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OneFit webpage:

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VD4G webpage:

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