Retrofitting
ANSI OneFit: the hard-bus retrofill concept

Concept
OneFit is comprised of a frame that hosts a standard ANSI VM1 circuit breaker with a magnetic actuator connected to the existing switchgear bushings by an additional power circuit that also acts as an internal interface with the new breaker. The adaptation system (OneFit kit) allows a completely standard ABB withdrawable apparatus to be fitted to the old panel. Both the horizontal drawout and the vertical lift breaker designs are available in the OneFit range. 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.

Benefits
- the new circuit breaker mounts all standard spare parts with all the benefits in terms of delivery time and price
- the original shutter system and all the relevant interlocking are replaced with new standard ones installed from the factory on the OneFit system
- automatic shutter system and circuit breaker movement are interlocked to enable all necessary safety features
- the dielectric properties are increased thanks to the installation of a new insulation plate
- depending on which OneFit package is chosen, apparatus racking behind a closed door and remote racking are available

Standards
- OneFit is type tested according to the latest IEEE Standards:
  - C37.20.2 Standard for Metal Clad Switchgear
  - C37.04 Rating structure of high voltage circuit breakers
  - C37.59 Requirements for conversion of power switchgear equipment
- OneFit is also type tested according to latest IEC Standards: 62271-1 (for the frame), 62271-100 (for the circuit breaker) and 62271-200 when the original panel is provided to perform the tests.
Packages
OneFit is the true retrofit solution providing new apparatus racking system, integrated metallic isolating shutter and state of the art interlocking system. The OneFit range is composed of different packages. Each package represents an increase in safety for personnel and switchgear renewal.

- **OneFit Safety**: a true retrofitting solution with new apparatus racking system, integrated metallic isolating shutter and state of the art interlocking system providing increased personnel protection with closed-door operational mode preventing accidental electrical contact injuries

- **OneFit Safety Plus**: a new operational safety level, remote racking to provide a safer operating environment for personnel through the proven method of adding distance between the operator and arc flash incident energy at the switchgear site

- **OneFit eSafety Plus**: the integration of protection relay and measuring sensors gives a new life to switchgear, combining all the benefits of the previous packages with a complete equipment revamping.

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Options

TruckMaster remote motorized racking
MySiteCare condition monitoring for circuit breaker
Swicom condition monitoring for switchgear
MyRemoteCare cloud based services
Power Care customer support agreement

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For more information please contact:

More product information:
abb.com/mediumvoltage
Your contact center:
abb.com/contactcenters
More service information:
abb.com/service

OneFit webpage: