

# Retrofitting

## Solutions for Merlin Gerin MV distribution Fluarc FG SF6 circuit breakers



Circuit breaker retrofitting is a cost-effective alternative to complete switchgear replacement. ABB Service experts conduct on-site audits on existing installations to assess the condition of the equipment, recommend the most suitable solution and technically support the most appropriate investment.

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01 **Retrofitting is performed by replacing phased-out devices with circuit breakers from the current production range specifically designed to mechanically and electrically adapt to the existing models in the plant.**  
**The result is substantial improvement in reliability, safety, maintenance and performance.**  
**ABB Service is a complete system provider of retrofitting solutions, from proposal to design, through to manufacturing, testing and finally installation and commissioning.**

### Facts

Merlin Gerin Fluarc FG SF6 circuit breakers can be replaced with the latest ABB vacuum and SF6 circuit breakers.  
The existing equipment has been in service for several decades and its replacement can easily extend the operational service life of the switchgear by several decades.  
Use of tried-and-tested SF6 or vacuum circuit breakers allows the superior performance of ABB switchgear to be extended to equipment supplied by other manufacturers.



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## Benefits

### Reliability

- Significant life-time extension
- Less maintenance
- Long-term availability of spare parts

### Safety

- Considerable reduction in the risk of faults

### Technology

- Latest generation apparatus
- Retrofit solution designed according to IEC 62271-100 standard
- IEC 62271-100 tested and certified circuit breakers

### Project

- Rapidly executed replacements
- Minimum switchgear downtime
- Simple plant activities

### Investment

- Limited capital investment
- Minimization of further maintenance costs
- Retrofit package covered by warranty

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02 Original Merlin Gerin  
Fluarc FG2 SF6 circuit  
breaker

## Technical data

ABB offers a full range of retrofit solutions based on vacuum circuit breakers and gas circuit breakers. ABB experts propose the best apparatus for each switchgear unit, depending on the characteristics of the apparatus installed in the network and the specific operating requirements of each unit. The following basic technical data are required in order to provide standard retrofitting solutions:

- Rating plate data and serial number
- Photos of all four sides
- Photo of the switchgear compartment interior
- Existing functional electric circuit diagram
- Generator data for the relevant feeders.

## Options

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

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For more information please contact:



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