DISTRIBUTION SOLUTIONS

Retrofitting

Solutions for ABB SACE SF_6 insulated HA circuit breaker



01

01-VD4 vacuum and HD4 SF_6 gas retrofit circuit breakers for ABB SACE HA circuit breakers

Safety and Reliability
- Strong fault risk reduction and significant life time extension
- Racking in-out motorization option and improved operator protection
- Lower maintenance requirements and long time availability of spare parts

Optimize your investment
- Limited capital investment
- Minimization of further maintenance costs
- Warranty on the conversion work

Protect your assets
- Latest generation solution designed according to IEC 62271-100 Standard
- Short implementation time for replacement with minimum shutdown of the switchboard

Circuit breaker retrofit is a cost-effective alternative to the complete switchgear replacement. 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 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.
ABB Service is a complete system provider of retrofitting solutions, from proposal to design, through manufacturing, testing and finally installation and commissioning.

HA is the family name of a wide range of SF_6 gas circuit breakers manufactured by ABB and currently in obsolete phase.
Many variants have been produced during their life cycle according to technological development, such as HA1, HA2 and HA3.
The specific version of each apparatus can be identified by the apparatus name on the label (e.g. HA1/ZC, /C, /WA, /WSA, /NFsG, etc.).
Maintenance activities on these apparatus must be only performed by certified operators and applying specific SF_6 handling procedures according to IEC Regulation 842/2008 in those countries complying with.



02

02- ABB SACE HA
original 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

HA webpage:

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For more information please contact:

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

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1VCP000306 Rev B, en – flyer Retrofitting – 2018.09 (mt)