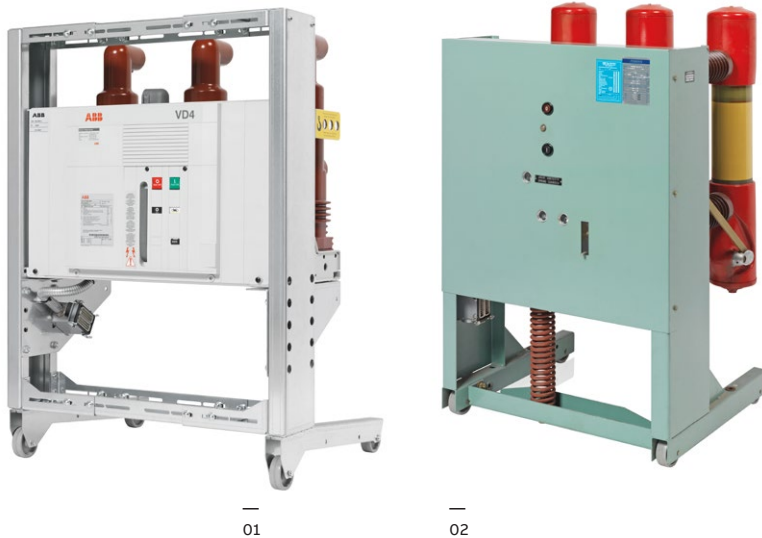


Fixed retrofit circuit breakers

Medium voltage switchgears



— 01 VD4 circuit breaker installed on the new A-truck

— 02 Original fixed OSA circuit breaker

The standardized HD4 and VD4 CBs represent the latest technology, but are still both mechanically and electrically compatible with the original switchgear. CB retrofit provides an ideal, safe and cost-efficient alternative to replacing the entire switchgear, with significantly improved switchgear reliability, safety, maintenance and performance as a result. The fixed retrofit CBs are also ideal for replacing fixed third-party CBs.

Extend the lifetime of your medium voltage switchgear by replacing the original OSA circuit breaker (CB) with the new HD4 or VD4, installed on the new A-truck.

Benefits:

Safety

- Improved operator safety
- Additional embedded safety features
- Environmentally friendly VD4 solution

Reliability

- Significant lifetime extension of the switchgear
- Increased maintenance intervals
- Long-term availability of spare parts

Investment

- CB retrofit less expensive than replacing the switchgear
- Reduced maintenance costs
- Standard warranty

Technology

- Adjustable design for easy mounting
- Spring or magnet actuator
- New generation CBs
- Designed according to the IEC 62271-100 standard

Execution

- Fast and easy installation and commissioning
- Minimum outage time of the cubicle

Ratings

Circuit breaker type	HD4		VD4	
	Rated current [A]	Rated short-circuit current [kA]	Rated current [A]	Rated short-circuit current [kA]
Rated voltage [kV]				
12	630 - 3150	20 - 40	630 - 3150	20 - 40
24	630 - 2500	16 - 25	630 - 2500	16 - 25

Complete CB retrofit solution for Strömberg switchgears

ABB's CB retrofit solution can cover everything from mapping and design, manufacturing and testing, to installation and commissioning.

The condition of existing installations can be assessed through a site audit, based on which a solution is proposed to support the investment decision.

Support throughout the entire life cycle for Strömberg switchgears

To ensure maximum return on investments, ABB provides the following life cycle services for Strömberg switchgears:

- CB retrofits
- Protection relay retrofits
- Maintenance and repair services
- Original spare parts

Standards and approvals

The HD4 and VD4 CBs comply with the IEC 62771-100 and CEI 17-1/1375 standards.

Additional information

For more information, please contact your local ABB representative or visit our website at:
abb.com/service
abb.com/mediumvoltage

