

DISTRIBUTION SOLUTIONS

DCBreak

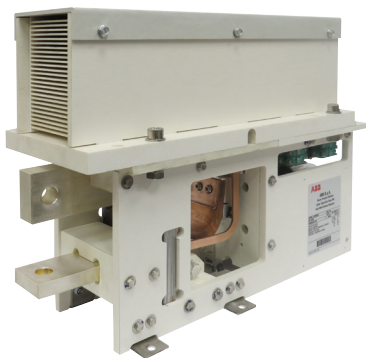
High-speed bi-directional circuit breaker for DC applications



ABB's latest generation high-speed DC circuit breaker

Setting a new standard of sustainability for rolling stock

ABB's latest DC circuit breaker for urban and inter-city rail lines is smaller and easier to service than similar commercial products. Environmentally friendly with its cadmium-free contacts.



Cadmium-free for lower environmental impact

The contacts of the DCBreak are cadmium-free and fully compliant with the RoHS directive on the restriction of the use of specific hazardous substances in electrical equipment.

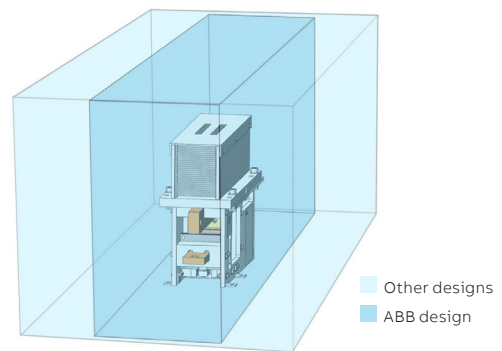
Customer benefits & savings:

- Reduced flashover distance
- Minimal weight
- Improved portability and facilitated installation
- Reduced handling time and cost
- Simplified systems integration
- Cadmium-free (RoHS standard compliant)
- Maximized operation and environmental specifications
- Available with optional enclosure protection

Compact footprint

When installed on board rolling stock, the DCBreak features shorter flashover distances to ground than other HSBCs. It takes upwards of 40% (*) less footprint, resulting in easier integration and optimum adaptation to customers' space constraints.

The DCBreak has a reduced footprint compared to what available on the market, resulting in optimum adaption to customer's space constraints.



A lighter design

Lighter than similar products, the DCBreak simplifies handling and installation by making them faster and easier. This also improves the performance of the overall system.

Easy to service

The circuit breaker is rated for over 200,000 maintenance-free operations. The product was engineered to simplify access to wear parts, allowing for simplified maintenance and service procedures.

Fit for installation in new vehicles as well as retrofits

With its ergonomic design and adaptable mechanical holders, it is a plug-and-play solution that can easily replace older equipment.

Conformity to railway standards

This exceptionally robust circuit breaker has been tested to operate under harsh climatic conditions including extreme temperatures as well as shock and vibration situations. It is capable of operating in all railway industry conditions.

(*) : 40% less base surface required considering breaker dimensions and recommended clearances toward earthed metallic parts.



Wenzhen North Station
温州北站

R11-13
K12+575

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