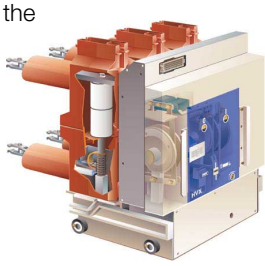
HVX

Vacuum circuit breaker

Whether you are planning new switchgear installations or upgrading existing ones, you need cost-effective and reliable components that can be easily integrated into your equipment.

As a leading switchgear manufacturer, Schneider Electric has the experience and resources to develop components that meet the needs of our customers worldwide.



HVX is our latest range of vacuum circuit breakers. It offers a proven state-of-the-art design to meet your specifications for power switching devices in air-insulated switchgear up to 36 kV. HVX brings a valuable solution to your project.

A secure investment in the future

We have brought together the combined experience of our worldwide manufacturing sites to design a new circuit breaker for use in our switchgear. The HVX combines our latest technology with time-tested and proven reliable design.

This latest audition to our range of vacuum interrupters reinforces our technological position as vacuum switching market leader. Thanks to the improved contact design, our interrupters provide unrivalled performance for their reduced size.

Operating mechanisms have been simplified to increase reliability and give extended life with very low maintenance.

Instead of the traditional spring operating mechanism, HVX decreed a single-shaft system and only one torsion spring, reducing the number of parts and increasing the reliability.

HVX meets the latest requirements of IEC and ANSI standards.

CUSTOMER BENEFITS

- Suitable for new and retrofit projects
- Economical and compact design
- Robust construction for long life
- State-of-the-art vacuum interrupters and operating mechanisms
- Minimum maintenance

Schneider Electric

Greater flexibility

HVX is available in a range of standard, fixed or withdrawable configurations, with plug-in or bolted connections.

- HVX-F for use in equipment requiring bolted main connections.
- HVX-E for use in equipment requiring plug-in circuit breakers on a withdrawable chassis.
- HVX, type B, with open pole part for improved natural cooling for high currents up to 3,150 A or short circuit currents up to 50 kA. Type B is available as fixed version or as withdrawable version.
- HVX 36 kV with modified pole parts for increased withstand voltage. Type B is available as fixed version or as withdrawable version.

Power module PMX

power module, PMX, which incorporates a chassis with metal shutters, earthing switch, mechanical interlocks, multi-functional bushings and various electrical options.

Dimensions					
Rated current	A	1,250	1,600	2,000 - 3,150	up to 2,500
Rated voltage	kV	12	12 / 17.5 / 24	12 / 17.5 / 24	36
Phase centers	mm	150 / 165 / 185 / 210 / 275	185 / 210 / 254	210 / 254 / 275	300

Technical characteristics					
Rated voltage	kV	12	17.5	24	36
Rated lightning impulse withstand voltage	kV	75	95	125	170
Rated short-time power-frequency voltage	kV	28	38	50	70
Rated short-circuit making current	kA	40 50 63 80 100 125	40 50 63 80 100	40 50 63 80	- - 63 80
Rated short-circuit breaking current	kA	16 20 25 31.5 40 50	16 20 25 31.5 40 50	16 20 25 31.5	- - 25 31.5
Rated current	A	630-1,250 630-1,250 630-2,500 800-3,150 1,250-3,150 1,250-3,150	630-1,250 630-1,250 630-2,500 630-3,150 800-3,150 1,250-3,150	630-2,500 630-2,500 630-2,500 800-2,500	- - 1,250-2,500 1,250-2,500

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