

HVX

Embedded Pole Vacuum Circuit Breaker up to 12 kV

886000104



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. HVX brings a valuable solution to your project.

A well balanced design between experience and innovation

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

Our latest range of vacuum interrupters maintains our position as a leader in vacuum switching technology. Combining improved contact design with proven manufacturing techniques, our reduced size interrupters provide unrivalled performance.

- Operating mechanisms have been simplified to give improved reliability and extended life with very low maintenance.
- The traditional spring operating mechanism has been improved and incorporates a single-shaft system, reducing the number of parts and increasing the reliability.
- With minimal moving parts and a low energy operating mechanism, HVX can also be equipped with our AMD magnetic actuator to meet all our customers' technical requirements and operating features.

Standard

HVX has been fully tested according to IEC 62271-100 and the latest Chinese GB standards. The highest level of the above mentioned standards have been passed including M2, E2, C2.

PM100987



CUSTOMER BENEFITS

- Robust construction with embedded pole technology
- State-of-the art vacuum interrupters and operating mechanisms
- Economical and compact design
- Choice of fixed or withdrawable units
- Suitable for new and retrofit projects

Ready To Fit

HVX embedded pole incorporates a standard wheel cassette-type trolley. The epoxy coated contact arm is fitted with standard tulip contact and is ready to be fit in your switchboard.

A fixed type version is also available on request.

Embedded Technology

HVX incorporates our latest embedded technology. Thanks to this construction, the complete pole is insensitive to environmental influences. As a result, the HVX circuit breaker provides higher reliability.

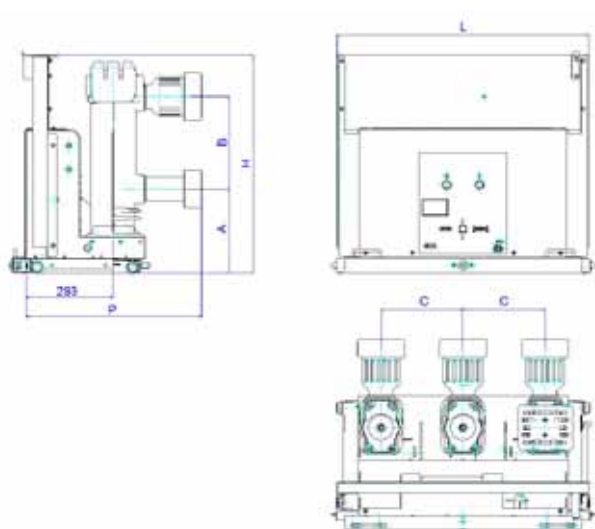
Technical Characteristics		
Rated voltage	kV	12
Rated lightning impulse withstand voltage	kVp	75
Rated short-time power-frequency voltage	kV rms	42
Rated short-circuit withstand current (4s)	kV	50
Rated short-circuit breaking current	kA	50
Rated current	A	3,150

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HVX 12 kV circuit breaker with embedded poles

PM100989



Dimensions							
Rated Current (A)	Rated short circuit current (kA)	A (mm)	B (mm)	C (mm)	H (mm)	L (mm)	P (mm)
630/1,250	25	260	205	150/210	623	494/638	609
	31.5	260/280	205/310	150/210	623/693	494/638	609/589
	40	280	310	210	693	638	589
1,600	31.5	280	310	210	623	638	589
	40	280	310	210/275	693	638/844	589
2,000	31.5	280	310	210/275	693	638/844	589
	40	280	310	210/275	693/731	638/844	589
	50	280	310	210/275	693/731	638/844	589
2,500	31.5	280	310	275	731	844	589
	40	280	310	275	731	844	589
	50	280	310	275	731	844	589
3,150	40	280	310	275	731	844	589
	50	280	310	275	731	844	589