

## Vacuum circuit breaker HVX

For applications in industrial plants and distribution networks.



The vacuum circuit breaker HVX is the consequent development of a long term concept to meet the world wide requirements of modern, air insulated switchgear and controlgear.

### Features

#### High insulation level

- high leak current resistance

#### Ergonomic construction

- easy to handle functional arrangement of operating and indication elements
- functional arrangement of operating and indication elements
- clear separation of electrical and mechanical drive elements

#### Pillar type breaker

- stressfree mounted vacuum bottle
- pole casting used for insulation and support
- pole design guarantees high mechanical bottle protection

#### Drives

- motor operated spring drive mechanism
- innovative magnetic drive mechanism

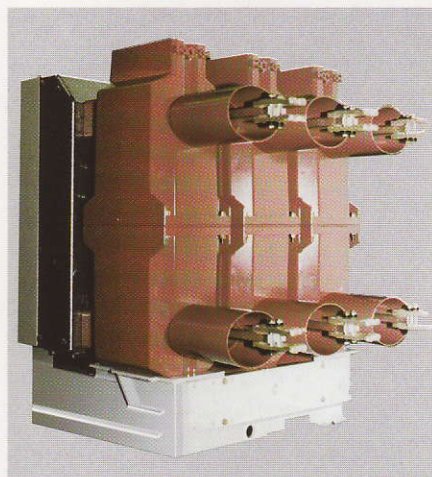
# ALSTOM



## Technology and Ratings – features

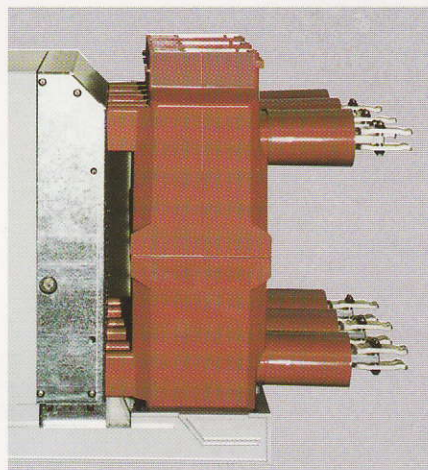
The vacuum circuit breaker HVX is the result of a consequent development of modern, air insulated switchgear and controlgear. The characteristics are:

- compact panel dimensions
- easy access to the panel
- compact design
- easy breaker mounting into the panel



The circuit breaker HVX is mounted on a compact cassette.

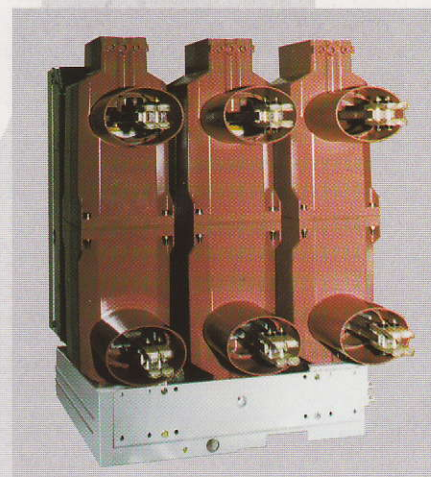
Variable mounting possibilities: drawout type or fixed type. The shock-resistant pole casting protects the vacuum bottle from outside forces. The multiple support points of the pole casting to the drive housing ensures a stress free bearing of the vacuum bottle. A rocker ensures the exact force transfer in axial direction, from the drive to the moving contacts.



Vacuum circuit breaker HVX are designed for the requirements of a modern, future oriented switchgear technology. The breaker is over a long period maintenance free and has a long durability.

## Standards

The vacuum circuit breaker HVX correspond with the specifications for AC switching devices, for voltages above 1 kV in compliance with DIN VDE 0670, parts 101-108, IEC Publications 60056, BS 5311 and NF-C 64. The circuit breaker comply to a great extent with the US standards ANSI C37.06 as well as NEMA Standards Publication No. SG4 and is suitable for normal service conditions in accordance with DIN VDE 0670, part 1000 and IEC Publication 694.



## Ratings

Rated voltage	Rated lightning impulse withstand voltage	Rated short-time current	Rated current
kV	kV	kA	A
12	75	up to 40	up to 2500
15	95	up to 40	up to 2500
17,5	95	up to 40	up to 2500
24	125	up to 31,5	up to 2500

# ALSTOM