



# Power Technology Perfect & Precise

## Vacuum CIRCUIT BREAKER



## Vacuum Circuit Breaker (VCB)

ITE's vacuum circuit breaker is a fully compartmentalized Metal clad design with the superior interruption medium of vacuum. Our VCB has been designed as per Indian & IEC standards for reliable performance, ease of handling & simplified maintenance. Our VCB provides superior control & protection of medium voltage power equipment & circuits in utility, industrial, commercial installations involving transformers, generators, motors, feeder circuits and transmission & distribution lines

### Key Features

- Compliance with IEC 62271-100, 62271-200 & IS 13118.
- Metal clad, Fully compartmentalized
- Horizontal isolation, horizontal draw out
- Integrated earthing switch with fault making
- Readily extendable
- Available single Busbar and double Busbar execution
- Cubicles designed to meet temperature rise limits without need for forced ventilation

### Safety

- Fully insulated Busbar with removable shrouds at joints
- Padlocks door and safety shutter
- Integral earthing switch mechanically interlocked with Circuit breaker
- Internal arc compliant
- All line parts located 700mm above floor level
- Comprehensive safety interlocks

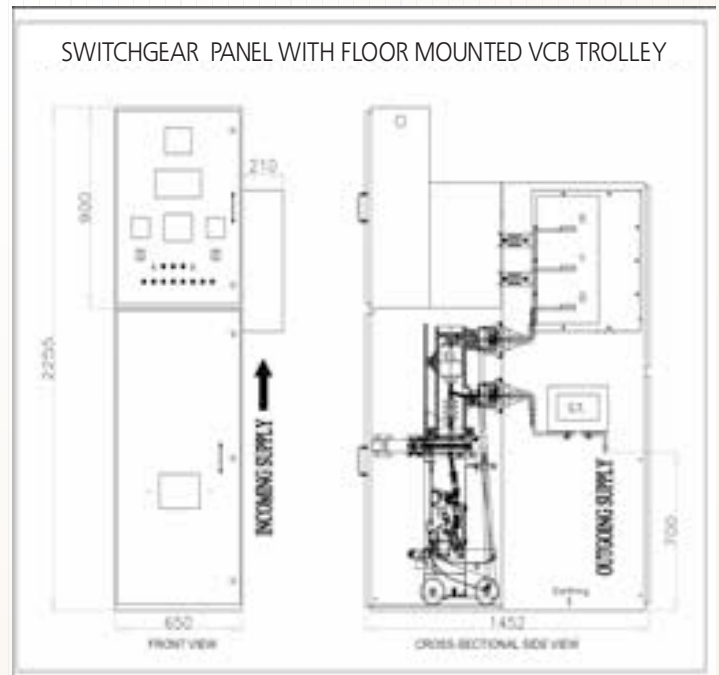
### Operation and Maintenance

- Simple installation and user friendly
- Maintenance free vacuum interrupters
- Isolatable potential transformers
- Dry type current transformers.
- Sufficient space for relays and instruments in a Low Voltage Compartment

## VCB Specification

Nominal Voltage	12kv
Degree of Protection	IP55
Width (in mm)	650
Depth (in mm)	1452
Height (in mm)	2255
Operation sequence	O -0.3 sec. -CO-3 Min. -CO
Opening Time (in mili secs.)	>30ms
Break time	>50ms
Full Load Switching Life (No. of Operations)	10,000
Closing Voltage	24V DC / 110V DC
Tripping Voltage	24V DC / 110V DC
Auxiliary contacts wired to SD5	8 No. + 8 Nc
Current Rating	
Fault Level	25 kA for 3 secs.
630 Amps	12kV/24kV
1250 Amps	12kV/24kV/36kV
2000 Amps	12kV/24kV/36kV

Also available as per Customer's Specifications /Requirements



## PRODUCTS

TRANSFORMERS (OIL/DRY) | VCBs / LBS | VOLTAGE CONTROLLERS / AVR's | PANELS | COMPACT SUB-STATIONS

APPROVALS & REGISTRATIONS ✦ E-in-C (Defence) ✦ MAP ✦ Railways ✦ BSNL ✦ MTNL & more ....



# Indian Transformers and Electricals Pvt. Ltd.

38th Km. Stone, Delhi-Jaipur Highway, Behrampur Road, Sector-34, Post Box#44, **GURGAON** - 122004

Phone : +91-124-4031900 (5 lines), 2372100, 2372200 Fax : +91-124-2372300

E-mail: [info@indiantransformers.com](mailto:info@indiantransformers.com), [sales@indiantransformers.com](mailto:sales@indiantransformers.com) Website : [www.indiantransformers.com](http://www.indiantransformers.com)

Note : Specifications, Features & Information etc. given may vary & are subject to change with any prior notice & manufacturer is not liable for any loss and or damage due to any reason whatsoever. Our Scope of work limits upto design, manufacture, testing & delivery of our products at our works.(unloading, installation & commissioning etc. do not come under our scope of work)