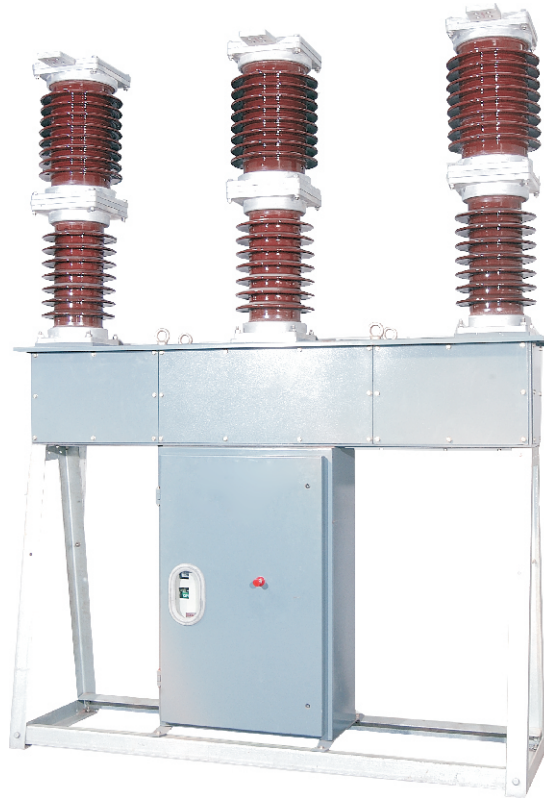




Porcelain Clad Vacuum Circuit Breakers



33 kV PCVCB

Construction :

The outdoor porcelain clad vacuum circuit breakers (PCVCB) are manufactured in 11 kV and 33 kV configurations. The Porcelain Clad Vacuum Circuit Breakers manufactured are of PCESVAC - PCVCB Type. These PCVCB's are widely used in outdoor substations.

These breakers are supplied with a lattice structure made of Galvanized Iron and the breakers are mounted on this arrangement. The breaker can be mounted on a plinth of adequate height to meet the statutory requirement of clearances of HT live parts to ground level. The PCVCB is of open terminal type construction with vacuum interrupter housed in weather proof porcelain insulators. The manual / motor spring charging mechanism and closing / tripping coils are housed inside the sheet metal enclosure that conforms to IP55 protection.

Optional Features :

1. CT & PTs (oil filled outdoor type)
2. C & R Panel (Indoor / Outdoor)
3. Mounting Structure for CTs & PTs

Our Outdoor PCVCB is completely type tested at CPRI, Bangalore and ERDA, Vadodara.



Porcelain Clad Vacuum Circuit Breakers



11 kV PCVCB

Technical Data	11 kV PCVCB	33 kV PCVCB
Type	PCESVAC - PCVCB	PCESVAC - PCVCB
Voltage	12 kV	36 kV
Current	600/800/1250/2000 A	600/800/1250/2000 A
Symmetrical Breaking Capacity	20/25/40 kA	20/25/40 kA
Short Circuit withstand current duration	3 Sec	3 Sec
Making Capacity (kA Peak)	50/63/100 kA	63 kA
Insulation Level		
a. Power Frequency Withstand (kV RMS)	28 kV	70 kV
b. Impulse Withstand (kV Peak)	70 kV	170 kV
Normal Operating Duty	0-3 min - CO-3 min - CO	0-3 min - CO-3 min - CO
Auto Re-closing Duty	0-3 sec - CO-3 min - CO	0-3 sec - CO-3 min - CO
Auxiliary Switch	8 NO + 8 NC	8 NO + 8 NC
Applicable Standard	IEC 62271 - 100 / IS13118	IEC 62271 - 100 / IS13118
Enclosure Standard	IP 55	IP 55

Technical specifications may change due to constant improvements.



Power Control Electro Systems Pvt.Ltd.

E-32, M.I.D.C., Kupwad, Sangli, Maharashtra, Pin - 416436.
 Ph.: ++91 233 2645630, 2645640. Fax : ++91 233 2645640
 Email : sales@pcesystems.in
 Web.: www.pcesystems.in