



SPCV12-VC32 SPCV36-VC53 SPCV36-VC31

PORCELAIN CLAD OUTDOOR VACUUM CIRCUIT BREAKERS

Porcelain Clad Vacuum Circuit Breakers (PCVCBs) are designed & manufactured for outdoor applications for switching & protection in Medium Voltage

Transmission & Distribution Networks keeping in mind the tropical climate. Simple construction & less number of moving parts ensure reliable service & safety.

Salient Features



- Virtually Maintenance Free
- High Availability Through Spring Charge Spring Operated Mechanism
- Single Unit - Easy to Transport & Ready to Install
- Modular Construction for Ease of Maintenance
- Compact & Rugged Design for Outdoor Application
- Well Proven Vacuum Interrupters for Switching Functions
- Long Electrical & Mechanical Life
- Adequate Ground & Sectional Clearances as Required
- Suitable for Rapid Auto-Reclosing Duty
- Fully Type Tested at NABL Accredited Lab & International labs As Per Latest IEC 62271-100, IEC 62271-1
- Type Tested for Class E2, C2, M2, S2
- Specially Type Tested for Seismic Test at 0.6g
- Seamless integration with SCADA network
- Mechanical On/Off & Spring Charged Indications Visible Without Opening The Front Door
- Sealed Poles to Prevent Ingress of Moisture
- Front Access to Operating Mechanism

Applications

- Transmission & Distribution Networks
- Switching Duties of Capacitive Load such as Station Capacitors, Cables & Overhead Lines
- Switching Duties of Inductive Load such as Transformers, Reactors & Motors
- Onerous Applications of Rapid Auto-reclosing

One Stop Solution

- As an ideal solution, the Circuit Breaker can be supplied along with CRPs (Control & Relay Panels), Outdoor CTs & VTs and Isolators as a whole unit for Electrical Networks in the field of Transmission & Distribution.

Optional Features

- Inert Gas Filled Poles
- External Emergency Trip Push Button On The Front Door
- Castel Lock for Mechanical Interlock with Isolator
- Higher Creepage for More Polluted Sites of Installation
- Electrical On/Off & Spring Charged Indications Visible Without Opening the Front Door
- Higher Insulation Levels When Installing at Elevated Altitudes
- Closing & Opening Releases Suitable for Low Wattages, Operations at Low Supply Voltage, Faster Operating Times

Technical Specifications

Details	Units	SPCV12-VC32	SPCV36-VC53	SPCV36-VC31
Rated Voltage	kV	12	36	36
Rated Normal Current	A	630/1250	800/1250/1600	1250/1600/2500
Basic Insulation Level	kVrms/kVP	28/75	70/170	70/170
Rated Frequency	Hz	50	50	50
Rated Short-Circuit Breaking Current	kA	25	26.3	31.5
Rated Short-Circuit Making Current	kAp	62.5	65.75	80
Duration of Rated Short-Circuit Current	s	3	3	3
Rated Operating Sequence	-	O-0.3s-CO-3min-CO		
Creepage of Porcelain Insulators	mm	500	900	
Voltages of Closing & Opening Releases	V DC	24/30/110/220		
Operating Mechanism	-	Spring charged solenoid operated		

- There is a continuous effort at Stelmec to keep abreast of latest technology in line with customer requirements and hence the product specifications are subject to change.
- Products described in this catalogue are manufactured and supplied according to the Certified Management System ISO 9001:2015.