

GEIS



SecoVac VB2 Plus Vacuum Circuit Breaker

SecoVac series VB2 Plus vacuum circuit breaker is an indoor three-phase AC device used within a rated voltage range of 12kV-40.5kV, which can be used for electrical equipment control and protection in industrial and mining enterprises, power plants and substations. The product complies with IEC standards, especially suitable for frequent work. The circuit breakers can be mounted in a fixed or withdrawable switchgear, as the best choice for control and protection of medium voltage distribution systems.

- SecoVac Series 12~40.5kV, 630~5,000A, 25~50kA, 75% DC Component Breaking Capacity (Generator CB)
- Spring & Permeant Magnetic Operation Mechanism
- Altitude up to 4,700 meters, -40°C~+40°C
- RoHS, ASP Environmental Friendly Embedded Pole Design
- 100 times IC test, 60,000 Mechanical Life Test
- Smart Grid Enabled: Smart VCB with Built in Sensors, HMI, Wave Capture, Data Intelligence, IEC61850 Protocol, Modbus, Profibus Communication



GEIS Electric

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Rated voltage	kV	7.2	12	15	17.5	24	27	40.5
Rated power frequency withstand (1min)	kV	20	28	36	38	50	60	95
Rated lightning frequency impulse withstand voltage (peak)	kVp	60	75	95	95	125	125	185
Rated frequency	Hz	50 or 60				50 or 60		50 or 60
Rated current	A	630, 1250, 1600, 2000, 2500, 3150, 4000, 5000				630, 1250, 1600, 2000, 2500, 3150		630, 1250, 1600, 2000, 2500, 3150
Rated short-circuit breaking current	kA	25, 31.5, 40, 50				25, 31.5		25, 31.5
Percentage of DC component		52%				52%		52%
Rated short-circuit closing current	kAp	65, 82, 104, 130				65, 82		65, 82
Rated short time withstand current	kA	25, 31.5, 40, 50				25, 31.5		25, 31.5
Rated peak value withstand current	kAp	65, 82, 104, 130				65, 82		65, 82
Rated duration time of short-circuit	s	3				3		3
Opening Time	ms	20~50				20~50		20~50
Closing Time	ms	30~70				30~70		30~70
Mechanical life operations	Quantity	M2				M2		M2
Electrical Endurance class		E2				E2		E2



Secobloc VB2 Plus L-Frame is used to accommodate VB2 Plus breaker for general HV Air Insulation Switchgear in a more efficient way. VB2 Plus L-Frame integrates several components together including guide rail, spout, and shutter, etc. As a whole L-shape component, VB2 Plus L-Frame plays an interface role between VB2 Plus breaker and different kinds of Air Insulation Switchgear

- Grounded Automatic shutters
- MOC and TOC options include 4A/4B or 8A/8B contacts
- Includes circuit breaker grounding, rejection feature, and position indicator

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