



# VACUUM CIRCUIT BREAKERS - 11 KV & 33 KV OUTDOOR

## SALIENT FEATURES:

- Type tested & Conforms to IEC 62271-100, IS 13118
- Simple, compact & easy to operate Arc interruption in vacuum.
- Robust porcelain bushing for higher insulation levels.
- IP55 cabinet housing for spring charged mechanism & Controls.
- Galvanised Steel Support structure, extendable for CT / PT.
- A simple motor charged spring operating mechanism noted for its high performance reliability.
- Superior mechanical Endure limit Maintenance required only after 10,000 operations.
- A Versatile mechanism capable of operating Vacuum interrupters of any type, hence dependence of single source of Vacuum interrupters eliminated.
- Trip free mechanism suitable for repeated auto re-closing duty.
- Spring charging time of less 10 seconds.
- Local / Remote Control & Relay Panel.

VCB TECHNICAL DATA	11 KV OUTDOOR	33 KV OUTDOOR
Rated Voltage	12 KV	36V
No. of Poles	3	3
No. of breaker per Pole	1	1
Frequency	50 / 60 HZ	50 / 60 HZ
Rated Current	630 / 1250 / 1600 AMP	630 / 1250 / 1600 AMP
Short circuit current	13.1 / 20 / 25 / 31.5 KA	13.1 / 20 / 25 / 31.5 KA
Making Current	33 / 50 / 62.5 KAP	62.5 KAP
Duration of short time current	3 Sec.	3 Sec.
Insulation Level	75 / 95 KVP	170 KVP
Impulse	28 KV	70 KV
Creep age distance	450 mm	900 mm
Contact Travel	7 (+1,-1) mm	23 (+1,-1) mm
Opening Time Cycles	Less than 2 cycles	Less than 2 cycles
Interrupting Time Cycles	Less than 3 cycles	Less than 3 cycles
Closing time Cycles	Less than 3 cycles	Less than 3 cycles
Duty Cycle Cycles	0-0.3 sec.-Co- 3 min - CO	0-0.3 sec.-Co- 3 min - CO
Reclosing time	300 m sec	300 m sec
Type of Mechanism	Motor / Manual Spring Charge Type	Motor / Manual Spring Charge Type
Coil Voltage*	24 / 30 / 48 / 110 / 220 V DC	24 / 30 / 48 / 110 / 220 V DC
Trip / closed coil power	350 Watts	350 Watts
Motor operating voltage	230 V AC / DC	230 V AC / DC
Auxiliary Switch	Up to 8 NO + 8NC	Up to 8 NO + 8NC
Degree of Protection	IP 55	IP 55
Applicable Standard	IEC 62271 - 100, IS 13118	IEC 62271 - 100, IS 13118

\* Different voltage as per customer requirement

