

40.5kV, 800A, 26.3kA, OUTDOOR SINGLE POLE, DOUBLE-BREAK, VACUUM CIRCUIT BREAKER FOR CAPACITOR SWITCHING



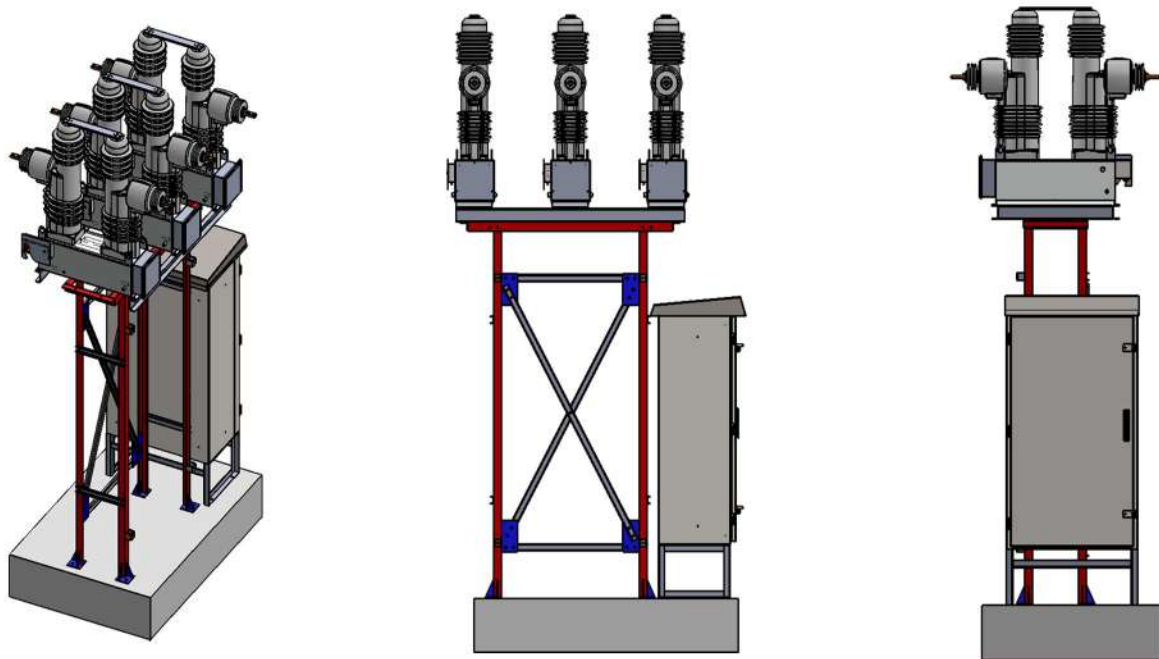
SALIENT FEATURES:

- Specially designed for the Control & Switching of 36kV Shunt Capacitor Banks with Reactors
- Suitable for Single Capacitor Bank Switching as well as Back-to-Back Capacitor Switching
- Suitable for Pole-mounting or Substation structure-mounting or metal-enclosed capacitor banks
- Unique Double-break per pole design
- Highest BIL across terminals
- Vacuum Switching Medium – most suited for the stringent capacitor switching applications
- Vacuum Interrupters encapsulated in outdoor, hydrophobic cycloaliphatic epoxy (HCEP) bushings
- HCEP bushings are much superior to conventional porcelain bushings
- Highly reliable Permanent Magnet Actuator (PMA) operating mechanism
- Most suitable for Point on Wave Switching, because of consistent closing time/opening time
- With in-built Dry Type Epoxy Resin Cast Low Power Current Transformers – upto a max. of 2 cores
- Light weight – Easy handling at site
- Plug & Play Solution – Reduced Site Installation & Assembly Time
- Increased mechanical life & electrical life
- Totally maintenance-free
- Mechanical Trip & Lock-out Provision available
- Integral Outdoor Control Cabinet – houses all control, protection & metering modules
- Flexible Control, Protection & Metering Options
- Suitable for Automatic Power Factor Correction (APFC) Schemes
- SCADA/DMS/SAS/PPC compatible
- Available as Three Pole Gang Operated Vacuum Circuit Breaker too

GUARANTEED TECHNICAL PARTICULARS

Sl. No.	Parameter	Value
1	No. of Poles	1*
2	No. of breaks per pole	2
3	Rated Voltage	40.5kV
4	Rated Frequency	50Hz.
5	Rated Lightning Impulse Withstand Voltage across open contacts	250kVpeak
6	Rated Lightning Impulse Withstand Voltage - Live Parts to Earth	170kVpeak
7	Rated One minute Power Frequency Withstand Voltage (Wet) across open contacts	100kVrms
8	Rated One minute Power Frequency Withstand Voltage (Wet) - Live Parts to Earth	80kVrms
9	Rated Current	800A
10	Rated Single Capacitor Bank Breaking Current	400A
11	Rated Back-to-Back Capacitor Bank Breaking Current	400A
12	Rated Back-to-Back Capacitor Inrush Making Current	20kApeak
13	Rated Frequency of the inrush current	4250Hz.
14	Rated Short Circuit Breaking Current	26.3kA
15	Rated Short Circuit Making Current	65.75kApeak
16	Rated Short Time Withstand Current	26.3kA/3 sec.
17	Insulating Medium	Solid Dielectric
18	Interruption Medium	Vacuum
19	Operating Mechanism	Permanent Magnetic Actuator (PMA)
20	Closing Time	< 70ms
21	Opening Time	< 50ms
22	Mechanical Life (No. of operations)	20, 000
23	Electrical Life (at rated current) (No. of operations)	20, 000
24	Electrical Life (at rated interrupting current) (No. of operations)	100
25	No. of Aux. Contacts	2 N.O. + 2 N.C.
26	Rated Control Voltage	24V DC/230V AC
27	Reference Standard	IS/IEC 62271-100

* AVAILABLE AS THREE POLE GANG OPERATED VACUUM CIRCUIT BREAKER TOO



**Note: Product Improvement is a continuous process at SRIWIN ELECTRIC.
Please contact us for latest update on the product**

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