

OUTDOOR SINGLE POLE, DOUBLE-BREAK, VACUUM CIRCUIT BREAKER FOR CAPACITOR SWITCHING

- 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
- Highly reliable Permanent Magnet Actuator (PMA) operating mechanism
- Most suitable for Point on Wave Switching, because of consistent closing time/opening time (single pole)
- With in-built Dry Type Epoxy Resin Cast Low Power Current Transformers – upto a max. of 2 cores
- Plug & Play Solution Reduced Site Installation & Assembly Time
- Increased mechanical life & electrical life
- 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

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

Parameter	Value
No. of Poles	1*
No. of Breaks Per Pole	2
Rated Voltage (kV)	40.5
Rated Frequency (Hz.)	50
Rated Lightning Impulse Withstand Voltage Across Open Contacts (kVp)	250
Rated Lighting Impulse Withstand Voltage-Live Parts to Earth (kV)	170
Rated One Minute Power Frequency Withstand Voltage (Wet)-Across Open Contacts (kV)	100
Rated One Minute Power Frequency Withstand Voltage (Wet) – Live Parts to Earth (kV)	80
Rated Current (A)	800
Rated Single Capacitor Bank Breaking Current (A)	400
Rated Back-to-Back Capacitor Bank Breaking Current (A)	400
Rated Back-to-Back Capacitor Inrush Making Current (kAp)	20
Rated Frequency of the Inrush Current (Hz.)	4250
Rated Short Circuit Breaking Current (kA)	26.3
Rated Short Circuit Making Current (kAp)	65.75
Rated Short Time Withstand Current for 3Sec. (kA)	26.3
Insulating Medium	Solid Dielectric
Interruption Medium	Vacuum
Operating Mechanism	Permanent Magnetic Actuator (PMA)

Parameter	Value
Closing Time	< 70ms
Opening Time	< 50ms
Mechanical Life (No. of Operations)	20000
Electrical Life (At Rated Current) (No. of Operations)	20000
Electrical Life (At Rated Interrupting Current) (No. of Operations)	100
No. of Aux. Contacts	2 N.O. + 2 N.C.
Rated Control Voltage	24V DC/230V AC
Reference Stand	IS/IEC 62271-100