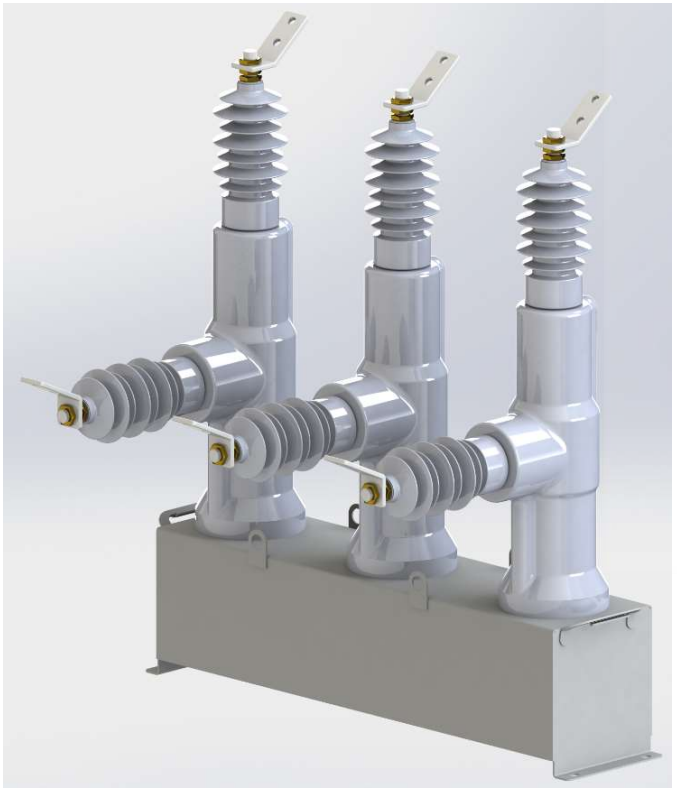
GOTO ELECTRICAL

Outdoor Vacuum Recloser 15-38kV





GOTO ELECTRICAL



*__Magnetic actuators__ and superior design allow reclosers to operate for a rated __10,000__ full load operations

*__Less moving parts__ = less maintenance = fewer operator injuries

*__Magnetic actuator__ = no mechanically charged components for added safety

*__No oil or gas insulation__ = environmentally friendly products stainless steel

*__Stainless steel cabinets__ ensure the best weathering/corrosion performance

*__For added safety__, separately housed electronic controls can be accessed without using bucket trucks or climbing poles

GOTO ELECTRICAL

Recloser Technology

As part of our initiative to stay a generation ahead, we has assembled the latest magnetic actuation technology,

highest quality vacuum interrupters, and most durable insulating material into the most dependable, cost effective, and lowest maintenance solution for recloser products. all function

using the advanced technology created by our researchers, and engineers.

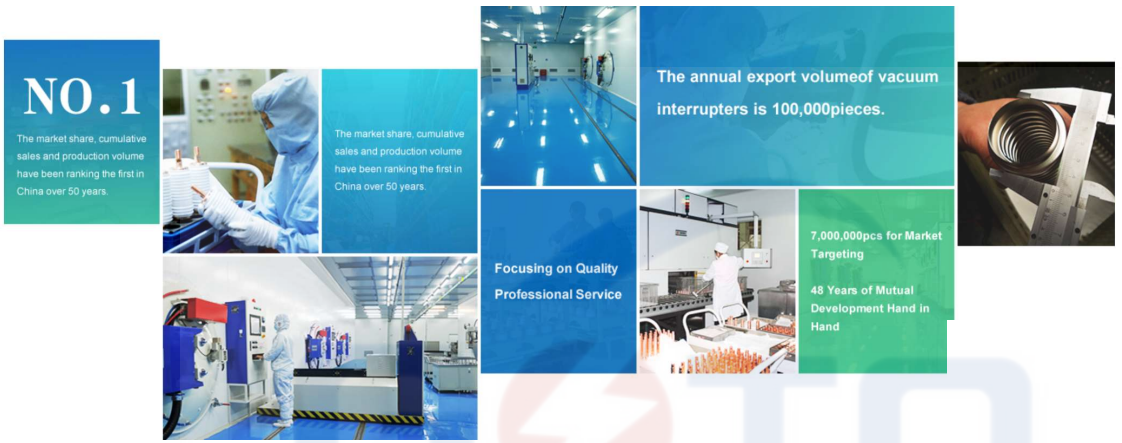
Magnetic Actuators

Reclosers were designed to have a lifetime of 10,000 full load

operations. We designed a simple, magnetically actuated operating

mechanism that could dependably operate 10,000 times with only one moving part, unlike ordinary spring charged mechanisms.

- **Vacuum Interrupters**





From BAOGUANG & BOV

Advantages

- Maximum reliability
- Superior contact wear
- Long life: 10,000 full load operations
- Minimal maintenance
- Environmentally friendly



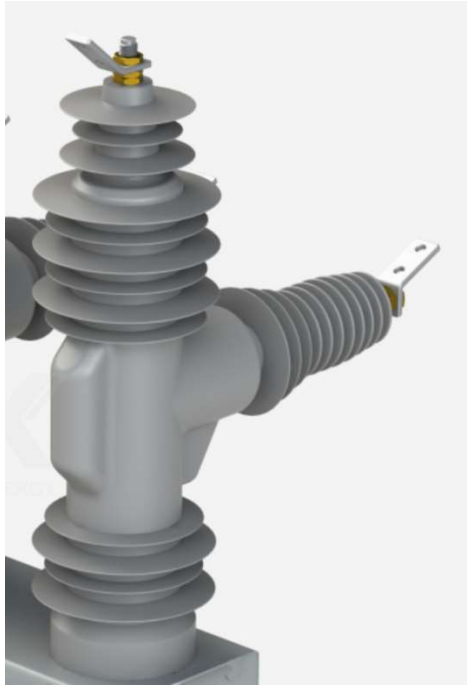
GOTO ELECTRICAL

Pole Assembly-Silicone and Epoxy Resin Composite Insulation

Pole assemblies are constructed of UV resistant **SILICON** encapsulating material and are design to provide a rated 10,000 full load operations without maintenance.

Advantages

- Resistant to vandalization
- Maintenance free: tested to 10,000 full load operations
- Few moving parts



GOTO ELECTRICAL

Silicone and Epoxy Resin Composite Insulation

- Weather Resistance: Silicone rubber exhibits outstanding resistance to UV radiation, ozone, and extreme weather conditions, ensuring long-term durability in harsh outdoor environments.

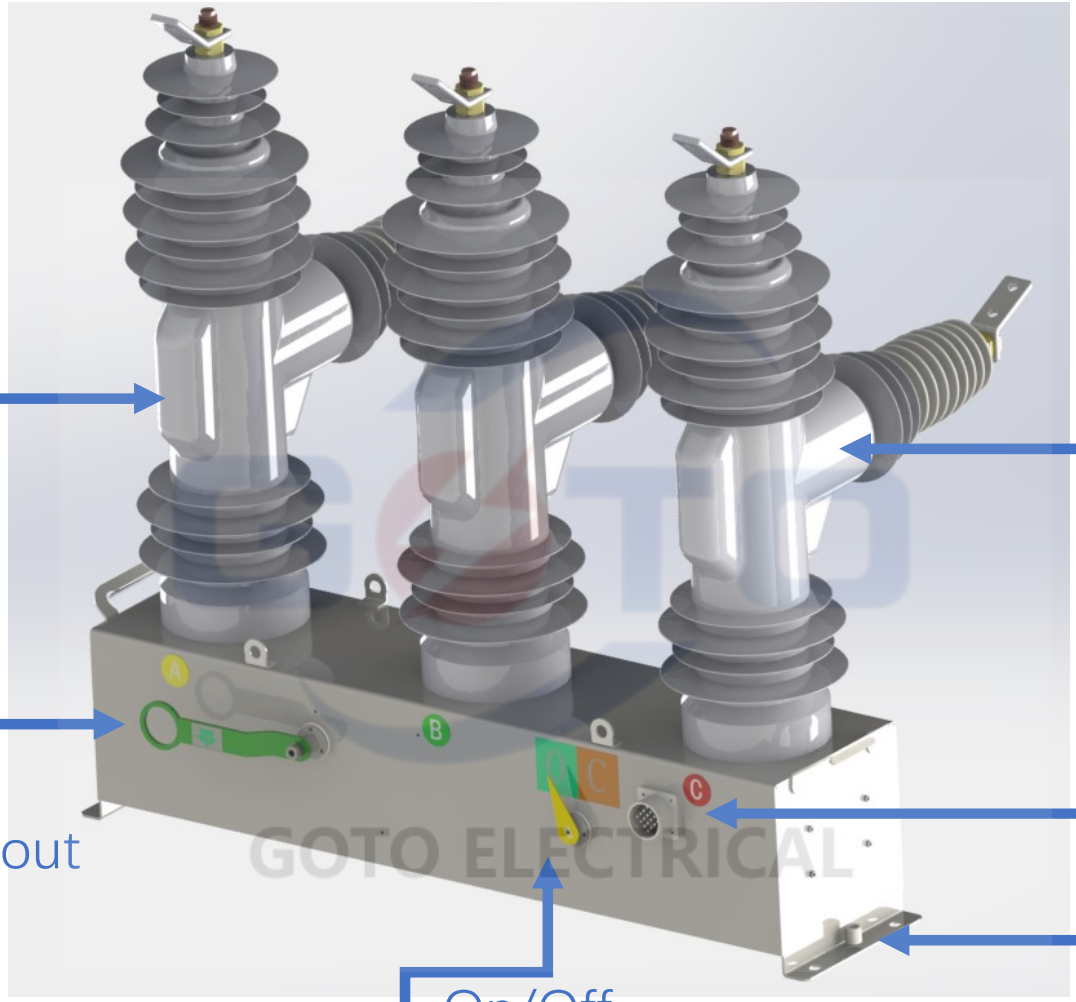
- Hydrophobicity: Silicone surfaces are highly hydrophobic, reducing surface leakage currents and minimizing the risk of flashovers by preventing the formation of continuous water films.

- Thermal Stability: Silicone maintains its properties across a wide temperature range, performing reliably from extreme cold to intense heat.

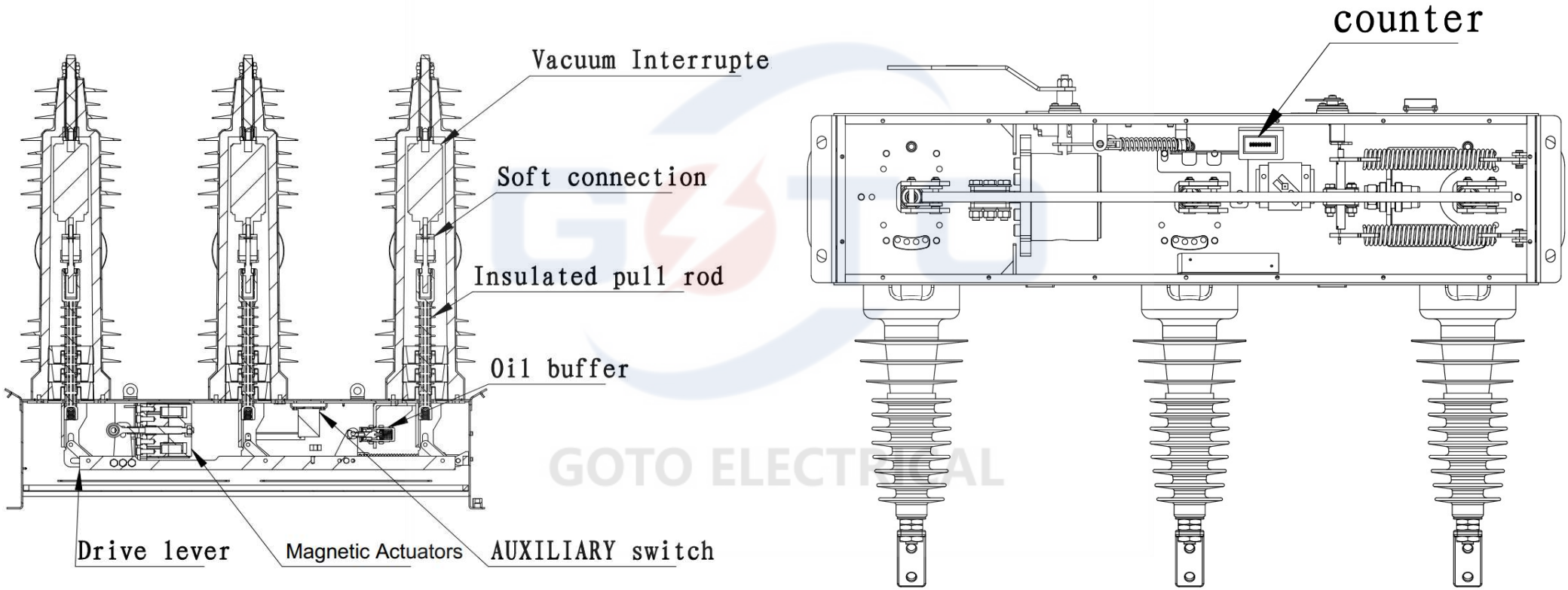
GOTO ELECTRICAL

- Flexibility and Resilience: Silicone's excellent flexibility and resilience help absorb mechanical stresses, reducing damage from thermal expansion, contraction, or external forces.

- Electrical Insulation: Silicone provides superior electrical insulation, preventing


Voltage Sensor
Current Transformer
Trip & Lockout
Handle
Pull down
To Open & Lockout
Control Cable
Push up
To unlock
On/Off
Indicator
Earthing Nut
GOTO ELECTRICAL

Cross-sectional diagram

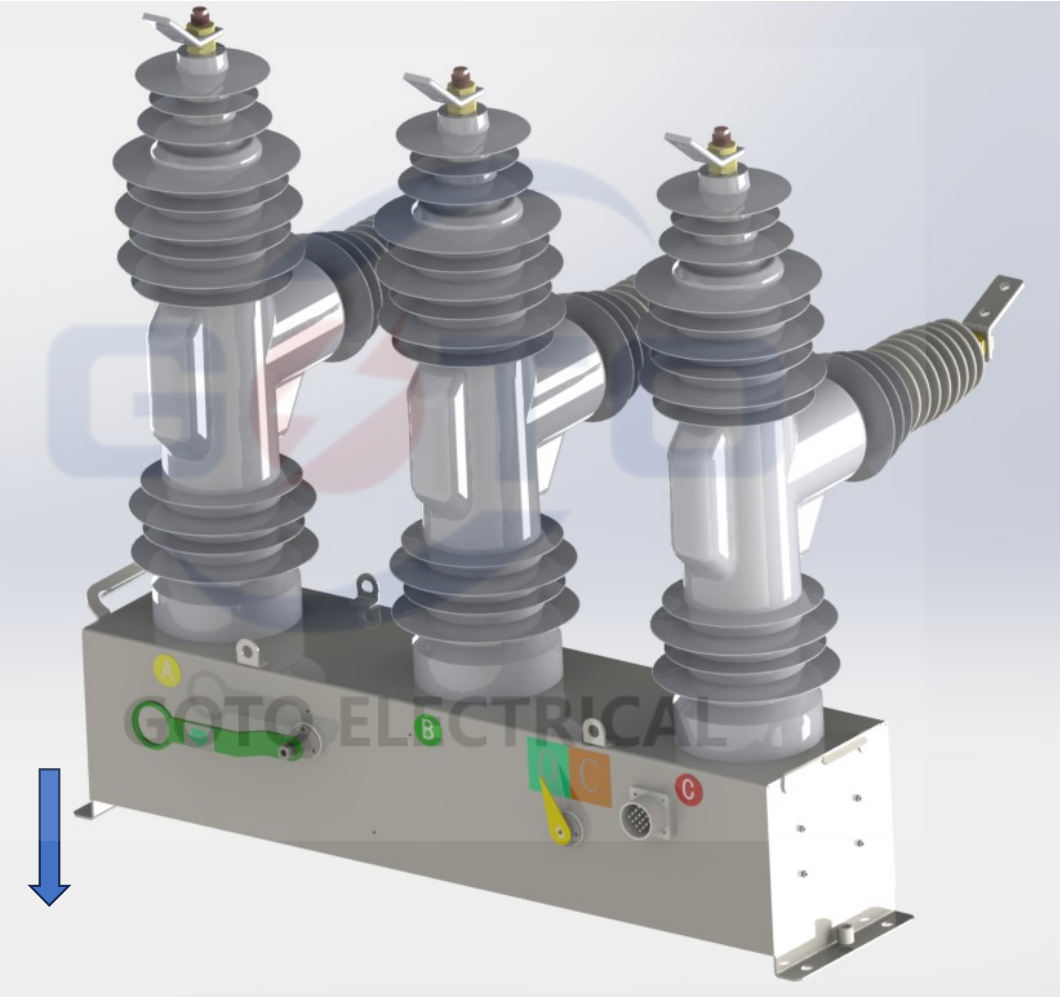


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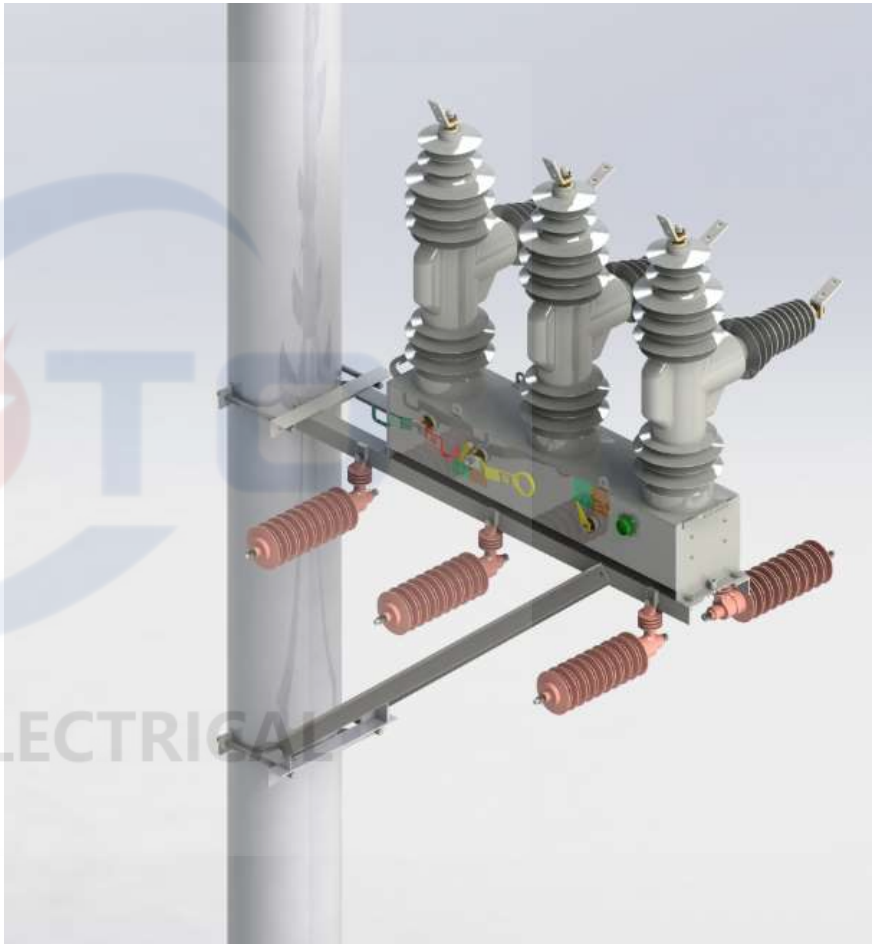
Manual operation

Pull down
To Open & Lockout

Push up
To unlock



Single-Pole installation. Bracket designs can be customized according to client specifications.



Operating temperature: -40° C to +70° C (-40° F to +158° F)

CT & VS: One per phase encapsulated into the pole

Standard: IEC62271-111

15.5kV 50/60Hz	Rated continuous current Ir A	Rated duration of short-circuit Tk s	Rated short-circuit breaking current Isc kA	Rated short-circuit making current Ima kA	Rated lightning impulse withstand voltage Up kV	Rated short-duration P.F. withstand voltage Ud kV	Impedance μΩ between connections μΩ	Creepage distance, phase-to-earth mm	Clearance, phase-to-phase mm	Minimum clearance, phase-to-earth mm	Weight kg	Line charging current A	Cable charging current A	Max. interrupting time / max. closing time ms
ZW15-630-12-M	630	3	12.5	31.5	110	50	60	850	340	270	130	2	10	40/60
ZW15-800-12-M	800	3	12.5	31.5	110	50	60	850	340	270	130	2	10	40/60
ZW15-630-16-M	630	3	16	40	110	50	60	850	340	270	130	2	10	40/60
ZW15-800-16-M	800	3	16	40	110	50	60	850	340	270	130	2	10	40/60

GOTO ELECTRICAL

Operating temperature: -40° C to +70° C (-40° F to +158° F)
CT & VS: One per phase encapsulated into the pole
Standard: IEC62271-111

27kV 50/60Hz	Ir A	T_k s	Isc kA	Ima kA	Up kV	Ud kV	μΩ	mm	mm	mm	kg	A	A	ms
ZW27-630-12-M	630	3	12.5	31.5	125	60	60	850	380	270	140	5	25	40/60
ZW27-800-12-M	800	3	12.5	31.5	125	60	60	850	380	270	140	5	25	40/60
ZW27-630-16-M	630	3	16	40	125	60	60	850	380	270	140	5	25	40/60
ZW27-800-16-M	800	3	16	40	125	60	60	850	380	270	140	5	25	40/60
ZW27-630-16-M	630	3	16	40	170	70	60	1290	380	350	150	5	25	40/60
ZW27-800-16-M	800	3	16	40	170	70	60	1290	380	350	150	5	25	40/60

GOTO ELECTRICAL

Operating temperature: -40° C to +70° C (-40° F to +158° F)
CT & VS: One per phase encapsulated into the pole
Standard: IEC62271-111

38kV 50/60Hz	Ir A	T_k s	Isc kA	Ima kA	Up kV	Ud kV	μΩ	mm	mm	mm	kg	A	A	ms
ZW38-630-12-M	630	3	12.5	31.5	170	70	60	1290	395	350	150	5	40	40/60
ZW38-800-12-M	800	3	12.5	31.5	170	70	60	1290	395	350	150	5	40	40/60
ZW38-630-16-M	630	3	16	40	170	70	60	1290	395	350	150	5	40	40/60
ZW38-800-16-M	800	3	16	40	170	70	60	1290	395	350	150	5	40	40/60

GOTO ELECTRICAL