

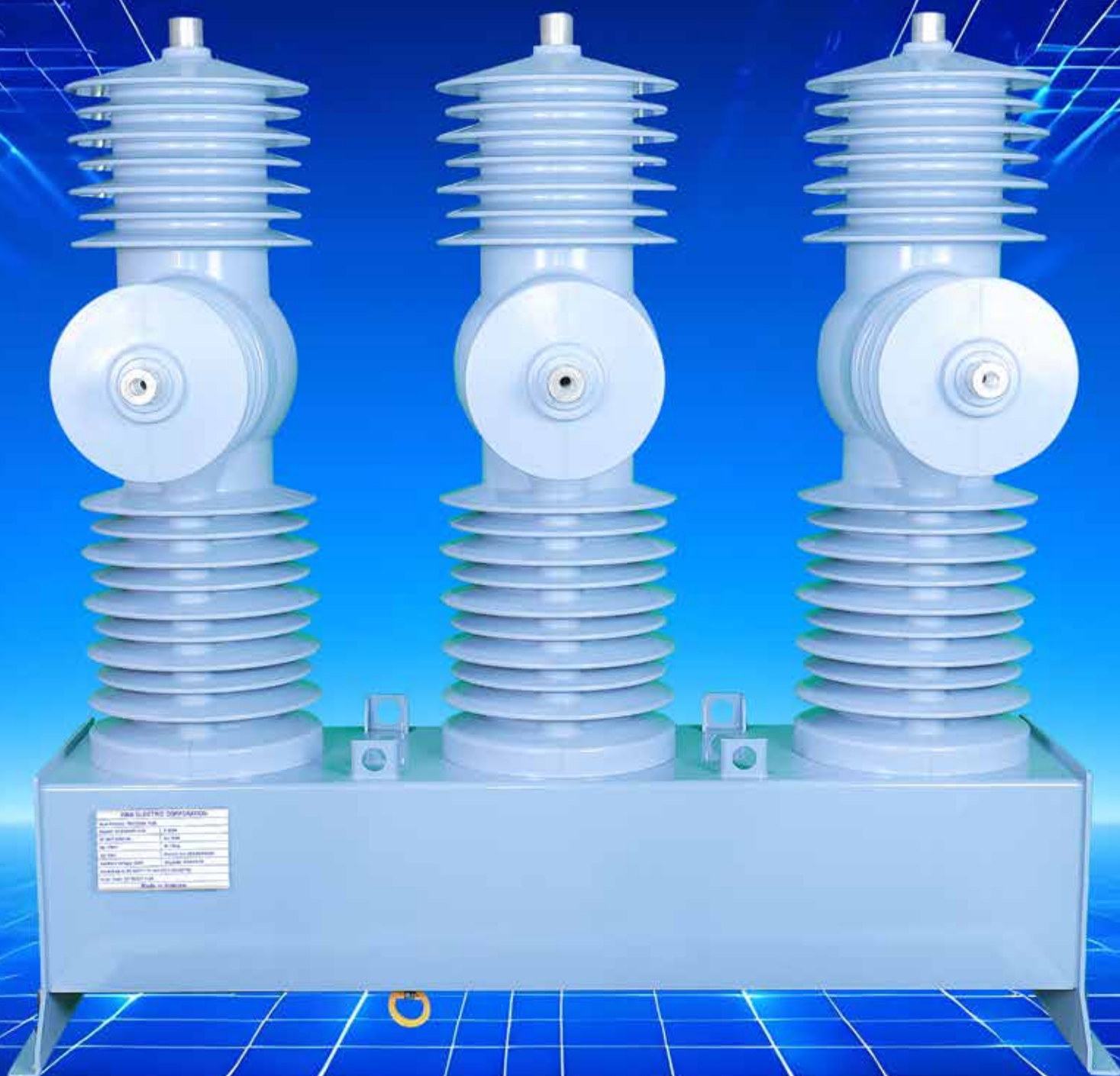


15KV THROUGH 38KV AUTOMATIC VACUUM RECLOSER

- ▶ Recloser 15kV
- ▶ Recloser 27kV
- ▶ Recloser 38kV

BEST PRODUCT & BEST SERVICE





DATA ELECTRIC DIMENSION

Material: Porcelain	1.000
Height: 1.000	1.000
Weight: 1.000	1.000
Resistance: 1.000	1.000
Temperature: 1.000	1.000
Humidity: 1.000	1.000
Wind speed: 1.000	1.000
Ice load: 1.000	1.000
Seismic: 1.000	1.000
Other: 1.000	1.000

MADE IN ITALY



Vina Electric Corporation was established in 2009. We are proud to be a reputable industrial electrical equipment manufacturer in Vietnam in the field of providing equipment on power transmission networks from 0.6kV up to 500kV



Vina Electric invests in modern machinery and equipment to produce industrial electrical equipment products with high standards and meet the Vietnamese electricity industry market, and is ready for international export.



Vina Electric products are recognized by major brands such as: Kema, Egu, Intertek, Quatest,... Along with that, there are raw materials imported from the famous German company Walker.



Currently, Vina Electric has been supplying to the Vietnamese electricity market in all three regions: North - Central - South.

AUTOMATIC VACUUM RECLOSER

RECLOSER

15kV, 27kV, 38kV

Overview:

- The three vacuum breakers are interconnected by a single magnetic actuator to both open and close.
- The actuator and associated mechanism are enclosed in a stainless steel tank and lid, both are powder-coated for outdoor use.
- Hydrophobic cyclo-aliphatic epoxy resin molding assemblies are bolted to the lid.
- An external pointer, easily visible on the tank, indicates the OPEN/CLOSE status of the recloser.
- Operation of the recloser is carried out through a low-voltage magnetic actuator activated by opening and closing a capacitor placed in the controller, which is then charged by the built-in power supply. Two 12V 7Ah sealed lead-acid batteries form a backup power supply system to provide 24V system voltage.



Close the door

The recloser can only be closed electrically. With the controller in LOCAL mode, the recloser can be closed by pressing the "I" button on the front panel. If a suitable remote connection is established, the recloser can also be closed remotely from SCADA via communication, with the controller in REMOTE mode. For safety reasons, the recloser is not allowed to be closed manually and there is no specific provision for manual closing of the recloser by any hook.

Introduction

The recloser can be opened mechanically as well as electrically. With the controller in LOCAL mode, the recloser can be opened by means of the "O" push button on the front panel. If a suitable remote connection is established, the recloser can also be opened from SCADA remotely via communication, with the controller in remote mode.

Manual (mechanical) openingt

When certain emergencies occur, where normal opening of the main contacts of the recloser by the controller is not possible, such as the control box door being locked or the electric opening being disabled, the switch unit can be safely opened mechanically using a physical means with a standard insulated hook bar from the ground. Manual opening can be achieved by quickly and firmly pulling the manual lever (yellow ring) at the bottom of the tank. This will mechanically open the three poles at the same time. The recloser has a safe and secure manual mechanism.

When the recloser is opened manually, the manual travel lever is locked and blocks any further closing operations of the recloser (BLOCKED). Such a manual recloser opening situation is most likely an emergency situation, it is necessary to ensure that the recloser cannot be electrically closed if opened manually for safety.

To ensure that the recloser remains open, a provision is made inside the recloser that no electrical closing command can be initiated from the local or remote controller. Furthermore, for added safety, the Recloser switch remains mechanically locked even if an electrical command is forced from the controller. After the emergency situation is over, to restore the closing operation, it is mandatory to reset the manual travel lever to the normal position. Use the hook lever to return the lever to the manual position.

AUTOMATIC VACUUM RECLOSER

Tính năng/ Features

Securely encloses the vacuum breaker:

* Applying full-forming technology, the circuit breakers are covered with high-grade Hydrophobic Epoxy Resin with large thickness, ensuring outstanding dielectric properties.



Line voltage sensor:

* The recloser senses line voltage at the downstream terminals, allowing for voltage measurement, power measurement, directional blocking, and various protection protocols.

Measure current:

* Each phase has a current transformer (CT) packaged on the output side. This allows measuring the current on these phases.

Manual lock and disconnect operation:

* The reclosing machine's tank is equipped with a manual lever that can be operated from the ground by means of a hook that performs simultaneous disconnection and locking. This mechanical manual lever prevents electronic remote closing, and the manual shutoff ring in the lowered position can only be physically recovered.

AUTOMATIC VACUUM RECLOSER

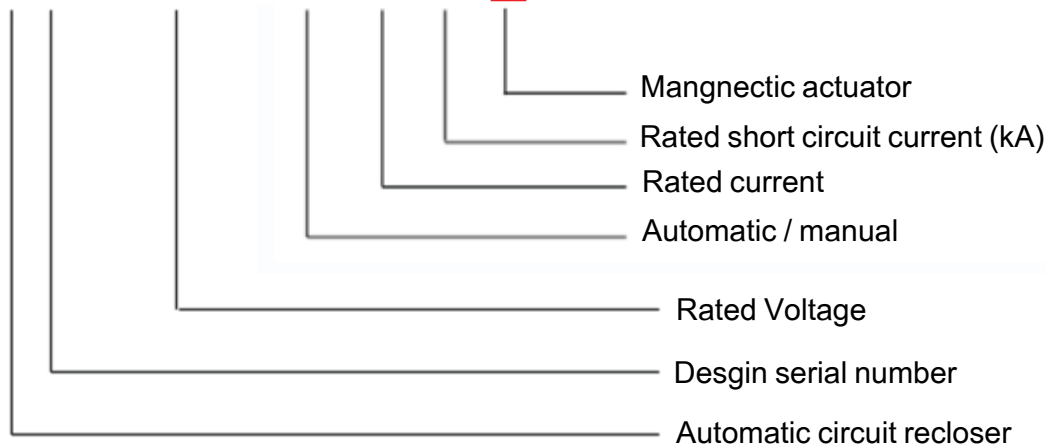
Technial parameter			
Testing Item	15kV	27kV	38kV
Rated voltage (kV, RMS)	15	27	38
Rated frequency (Hz)	50/60	50/60	50/60
Rated short-duration power-frequency withstand voltage Common value (kV)	50	60	70
Rated lightning impulse withstand voltage (kV)	110	150	170
Rated current (A, RMS)	630/800	630/800	630/800
Rated short time withstand current (kA/S)	16/3	16/3	16/3
Rated peak withstan current (kA)	40 (50Hz) / 41.6 (60Hz)		
Rated short circuit breaking current (kA)	16	16	16
Rated short circuit closing current (kA)	40 (50Hz) / 41.6 (60Hz)		
Operation actuator	Magnetic	Magnetic	Magnetic
Arc extinction	Vacuum	Vacuum	Vacuum
Insulation medium	Solid insulation	Solid insulation	Solid insulation
CT ratio	600A/1V*	600A/1V*	600A/1V*
CT accuracy	0.5S	0.5S	0.5S
Quantity of voltage sensor	6	6	6
Voltage sensor accuracy	0.5	0.5	0.5
Mechanical lifetime (cycle)	20000	20000	20000
Rated operation sequence	O-0.3s-CO-2s-CO-2s-CO		
Weight (kg)	90	110	1160

* Ratio vaires based on different voltages or currents

AUTOMATIC VACUUM RECLOSER

Catalog Numbering System

ZW32-RC-15/27/38 / 630 - 16 M



Fox Example

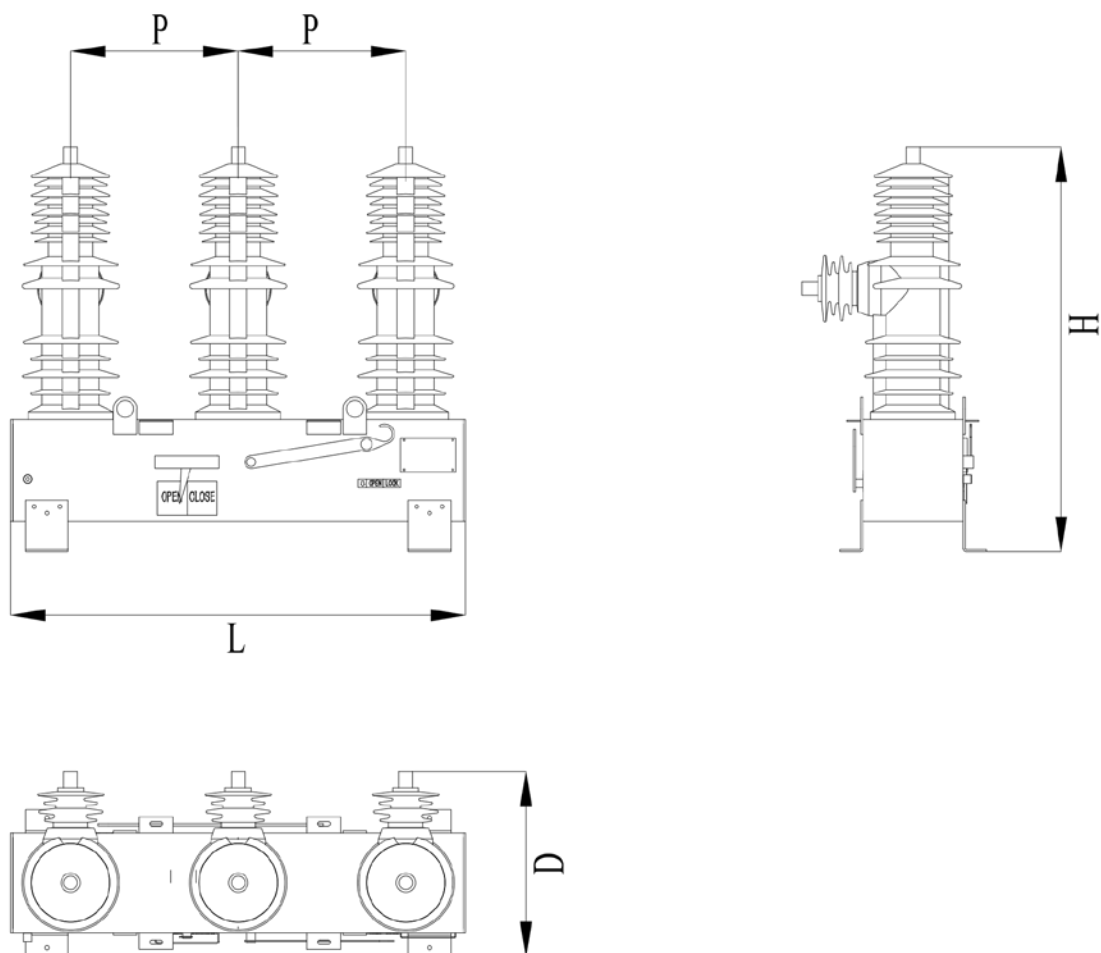
Type	Operating actuator	Rated voltage (kV)	Rated current (A)	Rated short-circuit breaking current (kA)
ZW32-RC-15kV/630-16	Magnetic Actuator	15	630	16
ZW32-RC-27kV/630-16	Magnetic Actuator	27	630	16
ZW32-RC-38kV/630-16	Magnetic Actuator	38	630	16

Certification:



AUTOMATIC VACUUM RECLOSER

Dimension drawings



ĐIỆN ÁP	P	L	H	D
15kV	300	920	720	410
27kV	380	1078	840	430
38kV	400	1135	1070	570

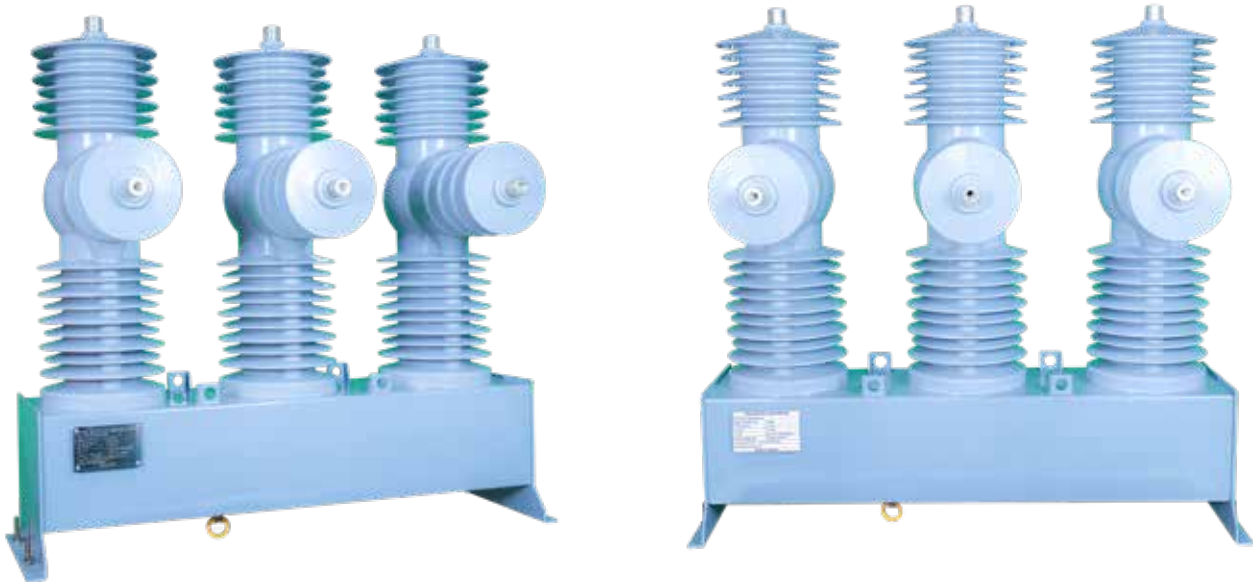
Đơn vị đo: mm Sai số kích thước: $\pm 3\%$

Chú ý: Vì chính sách liên tục cải tiến sản phẩm, chúng tôi được quyền thay đổi thiết kế và thông số kỹ thuật mà không cần báo trước
(Note): Because has a policy of continous product improvement, we reserve the right to change degsin and specification withoutnotice

AUTOMATIC VACUUM RECLOSER

Actual image

Auto Reclorser



Recloser control





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