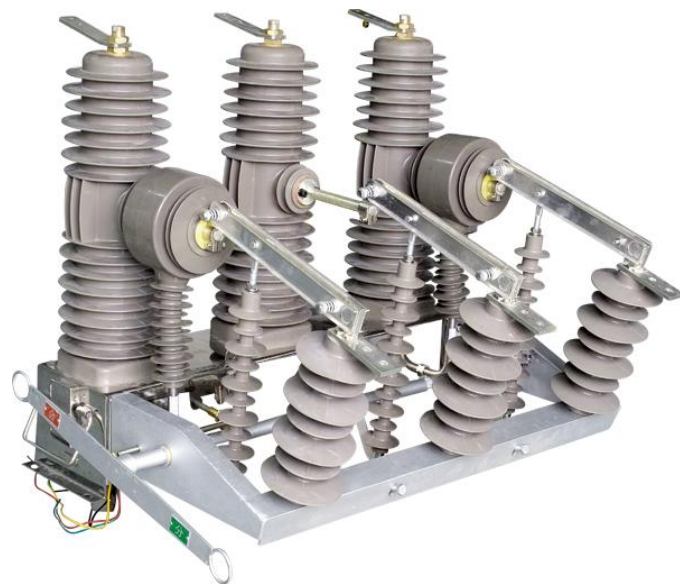


ZW32-24 Series

Outdoor High Voltage Vacuum Circuit Breaker (Recloser)

ZW32-24 outdoor HV vacuum circuit breaker is a 3-phase AC 50Hz 24kV outdoor switch equipment.

- ◆ Installation way: pole mounted;
 - ◆ Operating mechanism: spring operating mechanism and permanent magnetic operating mechanism;
 - ◆ Pole type: integrated pole;
 - ◆ Application: outdoor 24kV substation, power plant.
 - ◆ Operation type: manual, electric, remote control.
-



※ Product Standards

- ◆ IEC62271-100 High Voltage Switchgear and Controlgear Part 100: AC Circuit-breakers
- ◆ GB1984 High Voltage AC Circuit-breakers
- ◆ GB/T11022 Common Specifications for High-voltage Switchgear and Controlgear Standards
- ◆ JB/T 3855 High Voltage AC Vacuum Circuit-breakers
- ◆ DL/T402 Specification of High-voltage AC Circuit-breakers

※ Environmental Conditions

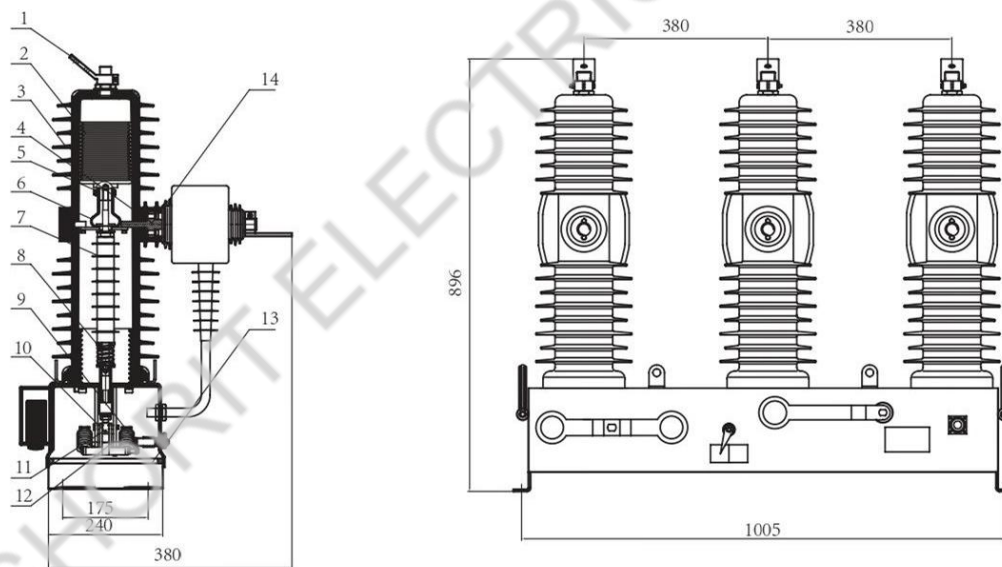
- ◆ Ambient temperature: -35°C ~ +40°C;
- ◆ Altitude: ≤2000m;
- ◆ Wind speed ≤ 35m/s;
- ◆ Earthquake intensity: ≤8 level;
- ◆ Filthy level: IV;
- ◆ Installation places: No fire, explosion hazard or serious filthy.

※ Main Technical Parameters

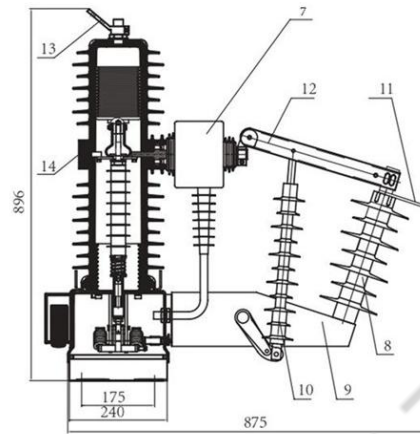
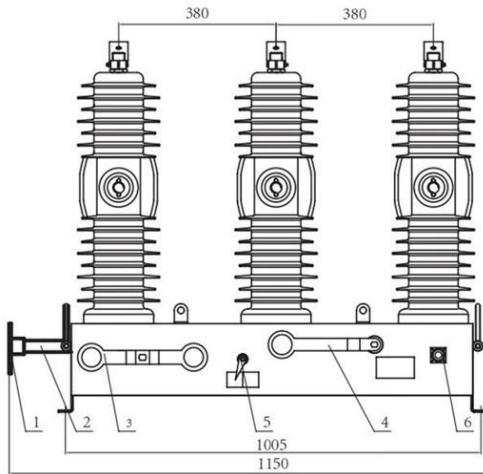
No	Item	Unit	Value
1	Rated voltage	kV	24
2	Rated current	A	630/1250
3	Rated frequency	Hz	50
4	Rated thermal current	kA	20/25
5	Rated short circuit breaking current	kA	20/25
6	Rated dynamic current (peak)	kA	50/63
7	Rated short-circuit closing current (peak)	kA	50/63
8	Thermal stability time	S	4
9	Rated operating sequence	Times	O-0.3S-CO-1 80S-CO
10	1 min power frequency withstand voltage (inter-phase, earth/fracture)	kV	65
	Lightning impulse withstand voltage (peak) (inter-phase, earth/fracture)		125
	Secondary circuit 1min power frequency withstand voltage		2

No	Item	Unit	Value
11	Mechanical life	Times	10000
12	Rated short-circuit breaking current breaking times	Times	30
13	Rated circuit breaking times	Times	10000
14	Contact distance	mm	12±1
15	Over travel	mm	3±1
16	Inter-phase center distance	mm	380±1.5
17	Three phase closing and opening asynchronism	ms	≤2
18	Contact closing bounce duration	ms	≤2
19	Closing time	ms	25~80
20	Opening time	ms	23~50
21	Average opening speed	m/s	1.1~1.7
22	Average closing speed	m/s	0.5~0.9
23	Main conductive circuit resistance	μΩ	≤80

※ **General Structure Drawing and Installation Size (unit: mm)**

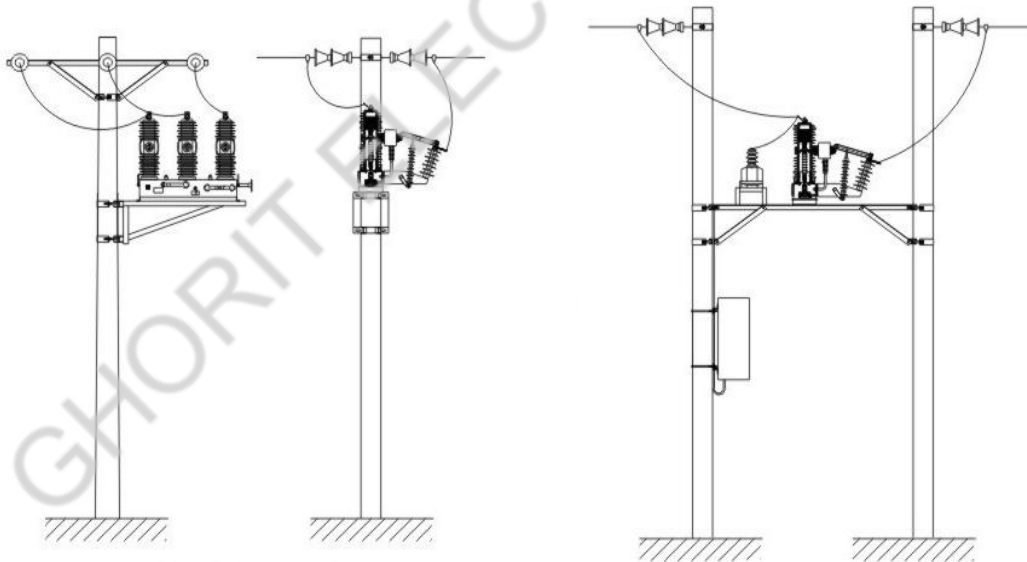


1. Upper outgoing line terminal 2. Interrupter 3. Insulating tube
 4. Lower outgoing line terminal 5. Conductive clip 6. Flexible connection
 7. Insulating lever 8. Contact pressure spring 9. Opening spring
 10. Drive link board 11. Mechanism outgoing shaft 12. Operating mechanism
 13. Mechanism box 14. Current transformer



- 1. Operating handle 2. Disconnect main shaft
- 3. Circuit breaker manual opening/closing handle 4. Energy storage handle
- 5. Opening/closing indication 6. Wiring plug 7. Current transformer 8. Insulator
- 9. Insulating frame 10. Insulating lever 11. Incoming line terminal
- 12. Disconnect blade 13. Outgoing line terminal 14. Circuit breaker

※ **Installation ways**



Single pole

Double pole