

ZW7-40.5 Outdoor Vacuum Circuit Breaker

Model: ZW7-40.5



The vacuum interrupter of the circuit breaker adopts solid sealing technology, and the external insulation adopts silicone rubber sleeve; it has long life and high reliability; the operating mechanism can adopt a miniaturized, high-reliability spring mechanism, or an advanced permanent magnet mechanism.

Product Introduction

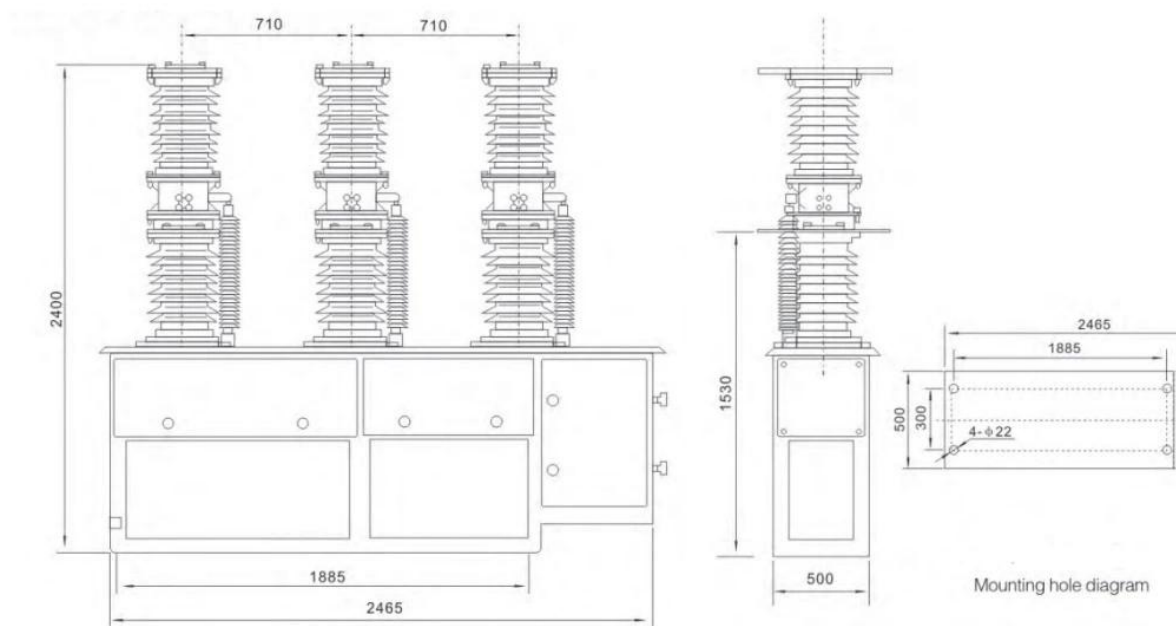
Product Description of ZW7-40.5 Outdoor Vacuum Circuit Breaker

General ZW7-40.5 Series outdoor high voltage vacuum circuit breaker is rated voltage 40.5kV, three phase AC 50Hz outdoor distribution equipment. Mainly used for breaking, closing power system load current, overload current and short-circuit current. Applicable to substations and power distribution in industrial and mining enterprises for protection and control purposes, and frequent operation place for rural power grids.

Outdoor Vacuum Circuit Breaker Service environment conditions

- a) Ambient Air Temperature: +45°C ~ -45°C
- b) Humidity: Monthly average humidity 95%; Daily average humidity 90%.
- c) Altitude above sea level (Maximum installation altitude): not more than 2500 meters.
- d) Ambient air should be not apparently polluted by corrosive and flammable gas, vapor etc.
- e) The wind speed is not greater than 35m/s.
- f) Anti-contamination level for grade IV
- g) The earthquake intensity does not exceed 8 degrees.

Overall dimension



Outdoor Vacuum Circuit Breaker Parameters

No.	Item	Unit	Parameters
1	Rated voltage	KV	40.5
2	Rated frequency	Hz	50/60
3	Rated current	A	630/1250
4	Rated short-circuit breaking current	kA	31.5
5	Rated peak value withstand current(peak)	kA	50/63
6	Rated short time withstand current	kA	20/25
7	Rated short-circuit closing current (peak)	kA	50/63
8	Mechanical life	Times	10000
9	Rated short-circuit breaking current breaking number	Times	30
10	Power frequency withstand voltages (1 min), wet/dry: inter-phase, earth, fracture	KV	80/95
11	Lightning impulse withstand voltage (peak) inter-phase ,earth, fracture	KV	185
12	Rated operate sequence		O-0.3-CO-180S-CO
13	Secondary circuit 1min power frequency voltages	KV	2

Outdoor Vacuum Circuit Breaker Feature And Application

The circuit breaker has the features of small size, light weight, anti-condensation, maintenance and so on. Adapt to bad weather conditions and dirty environments.

