

ZW32-12 series Outdoor high voltage Vacuum Circuit Breaker is the outdoor distribution equipment of rated voltage 12 kV, three-phase AC 50/60HZ. They are designed for the construction and reform of urban and rural grid. The bottom of the product has adopted stainless steel and galvanized carbon steel with ultraviolet-proof coating material.

The breaker is mainly used in load current, overload current and short circuit current of power distribution lines opening and closing of electric power system.

Suitable for transformer substation and industrial and mining enterprises for protection and control in the power distribution system, and frequent operation in rural power grid. Also can be used piecewise switch of power grid, to realize the distribution network automation with a additional controller.

#### Environment condition

- Ambient temperature: max +40°C min -40°C
- Altitude: ≤2000m
- Wind pressure: ≤700Pa(equals to wind speed 34m/s)
- Relative humidity: daily average relative humidity: ≤95%; monthly average relative humidity≤90%
- Air contamination degree: IV degree
- Earthquake intensity: ≤8 degree
- Not be contaminated by corrosive or flammable gas
- No frequent violent vibration or explosive place

#### Technical Data

1	Rated Voltage	KV	12
2	Rated frequency	HZ	50
3	Rated current	A	630
4	Rated short circuit breaking current	KA	12.5, 16, 20, 25
5	Rated peak withstand current (peak value)	KA	31.5, 40, 50, 63
6	Rated short-time withstand current	KA	12.5, 16, 20, 25
7	Rated short circuit closing current (peak value)	KA	31.5, 40, 50, 63
8	Mechanical life	Times	10000
9	Rated short circuit breaking current times	Times	30
10	Power frequency withstand voltage(1min): (wet)(dry) same, earth / fracture	KV	42/48
11	Lightning impulse withstand voltage (peak value) same, earth / fracture	KV	75/85
12	Secondary circuit 1min power frequency withstand voltage	KV	2
13	Rated operating voltage and rated voltage of auxiliary loop	V	AC220, 110 DC220, 110
14	Rated current of over-current tripper	A	5
15	Rated short-circuit duration	s	4

#### Mechanical characteristics adjustment data

1	Rated contact stroke	mm	9 ±1
2	Average opening speed	m/s	1.1±0.2
3	Three-pole simultaneity	ms	≤5
4	Three-pole simultaneity (assembled with isolator)	ms	≤2
5	Distance of charged body and relative air	mm	≤2
6	Core distance between phases	μΩ	≤200

Outline Dimension

