

ZW32-40.5/1250A type outdoor high voltage vacuum circuit breaker is the three-phase AC 50Hz, suitable for the rated voltage of 40.5kV outdoor high-voltage switchgear, which comply with the national standard GB1984 "high voltage AC circuit breakers" and professional standards JB3855 "3.6 ~ 40.5kV outdoor AC high voltage vacuum circuit breakers" and related IEC standards. It can be used for the control and protection of electrical equipment for industrial and mining enterprises, power plants and substations, and suitable for frequent operation. The circuit breaker has the ability to break off and fast break off multiple times

### Environmental conditions

- Ambient temperature: -35°C~ +45°C;
- Relative humidity: monthly average 90%, daily average 95%;
- Saturated vapor pressure: Daily average value is no more than  $2.2 \times 10^{-3}$  MPa; Average monthly value is not more than  $1.8 \times 10^{-3}$  MPa; In high humidity temperature drop, may condensation;
- Altitude:  $\leq 2000\text{m}$ ;
- Earthquake intensity is not more than 8;
- There is no fire, explosion, serious pollution, chemical corrosion, and violent vibration;
- Can be also customized as the exact request.

### Technical Data

1	Rated voltage	KV	40.5
2	Rated current	A	630/1250/1600/2000/2500
3	Rated frequency	HZ	50/60
4	Rated insulation level	Lightning impulse withstand voltage	KV 185
		1 min power-frequency withstand voltage	95
6	Rated short-circuit breaking current	KA	20/25/31.5
7	Rated short-circuit making current (peak value)	KA	50/63/80
8	Rated short-time withstand current	KA	20/25/31.5
9	Rated withstand current (peak value)	KA	50/53/80
10	Rated operating sequence		O-0.3s-CO-180s-CO
11	Rated short-circuit duration	s	4
12	Times of breaking with the rated short-circuit current	Times	30
13	Mechanical life		M2 level
14	Weight	KG	280

### Outline Dimension

