



## 12kv Outdoor Vacuum Circuit Breaker

(ZW20-12/T)

Knkong Electric Co.,Ltd  
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ZW20-12/T Series Vacuum circuit breaker consists of three parts: circuit breaker body, operating mechanism and lifting device. The circuit breaker body consists of conductive circuit, insulation system, the seals and housing. The entire conductive loop is formed by in and out wire conducting rod, conductive clip, soft connection and vacuum arcing chamber.

This product uses SF6 gas insulation. The inlet and outlet insulating sleeves are integrally cast with epoxy resin silicon rubber. In order to reduce the volume of the switch, A and C phases use a corner bushing to ensure good external insulation. The interior adopts a composite insulation structure, in the case of no SF6 gas charging, it also can reach the corresponding insulation level.

This product adopts a mature sealing structure: the mechanism cover and the upper cover of the housing are sealed with a stamping forming groove, and the output pointer shaft is sealed with a double "O" ring, and the inlet and outlet line bushings are integrally cast to ensure good airtightness.

### ➤ Normal service condition

Altitude		≤2000m
Ambient temperature	Max	+50℃
	Min	-15℃
Maximum water vapor pressure		24 hours ≤2.2kpa
		1 month ≤1.8kpa
Wind pressure		≤700pa(34m/s)
Earthquake intensity		≤8
Ice thickness		≤10mm
No fire, explosion danger, chemical corrosion, violent vibration		

### ➤ ZW20-12/T Technical Parameters

No.	Item	Unit	Parameter
1	Rated voltage	KV	12
2	Rated frequency	Hz	50
3	Rated current	A	630 1250
4	Power frequency withstand voltage(Dry\Wet\ isolation fracture)	KV	42\34\48
5	Lightning shock withstand voltage	KV	75
6	Rated short-circuit breaking current	KA	20 25
7	Rated short circuit breaking current breaking times	times	30
8	Rated operating sequence		O-0.3s-CO-180s-CO
9	Rated short-circuit closing current	KA	50 63
10	Rated short time withstand current		20 25
11	Rated peak value of withstand current		50 63
12	Rated short circuit duration	s	4
13	Mechanical endurance	times	10000
14	Contact allowed wear thickness	mm	3

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