

FZW28-12F outdoor Boundary Vacuum Circuit Breaker, or called Boundary Load Break Switch, is applied to rated voltage 12KV, AC 50HZ outdoor distribution equipment , use for opening .closing load current and closing short circuit current . Applicable to substations and industrial and mining enterprises and city, rural network for protection and control purposes, and city, rural network automatic distribution net and frequent operation place .

This product is applicable for operation of control switch of overhead line distribution systems, there are several types, VPS-12-type boundaries vacuum load switch with no oil, institutional simple. Reliable, no maintenance and other advantages, has been widely used. The product with the FDR-based fault detector or RTU remote terminal unit equipment combine to form a very simple structure, distribution automation system that allows the automatic overhead lines fault location and fault segment of the automatic quarantine. In order to update our existing distribution switchgear, so free of oil and automation features of the distribution equipment for the transformation.

### Environmental conditions

1. Altitude: not higher than 2000m.
2. Air temperature: -40℃ to +85℃
3. Relative humidity: monthly average ≤90%, daily average: ≤95%
4. Earthquake intensity: ≤ 8 degree
5. Pollution Class: 3 degree
6. Icing thickness:10mm
7. Wind pressure: no more than 700Pa( equal to wind speed 34m/s)

### Technical Data

Rated voltage	KV	12
Rated current	A	630
Rated frequency	HZ	50
Rated short-time withstand current (4s)	KA	20
Rated short-circuit closing current (peak)	KA	50
Operation voltage	V	AC220 (80%-110%)
Power frequency withstand voltage(1min)	To earth	50 (GB.42)
	Phase to phase	KV 50 (GB.42)
	Fracture	50 (GB.48)
Lightning impulse withstand voltage	To earth	95 (GB.75)
	Phase to phase	KV 95 (GB.75)
	Fracture	110 (GB.84)
Insulation resistance	To earth	2000
	Phase to phase	2000
	Fracture	2000
Main loop resistance per phase		≤500
Working life under rated current	Times	10000
Weight	KG	185
Three phase contact closing and opening non-synchronism	ms	≤2
Contact closing bounce time	ms	≤5

Closing time	ms	120-180
Opening time	ms	500-900
Contact travel	mm	8-9
Contact overtravel	mm	2.5-4
Isolation fracture distance	mm	25-30
Isolation fracture over line distance	mm	7-14
SF6 Leakage per year		<1%
SF6 Gas moisture content	PPm	<2
Standard		IEC265-1

### Outline and Dimension

