

## FZW28F-12 Outdoor Vacuum Load Break Switch

### Summary

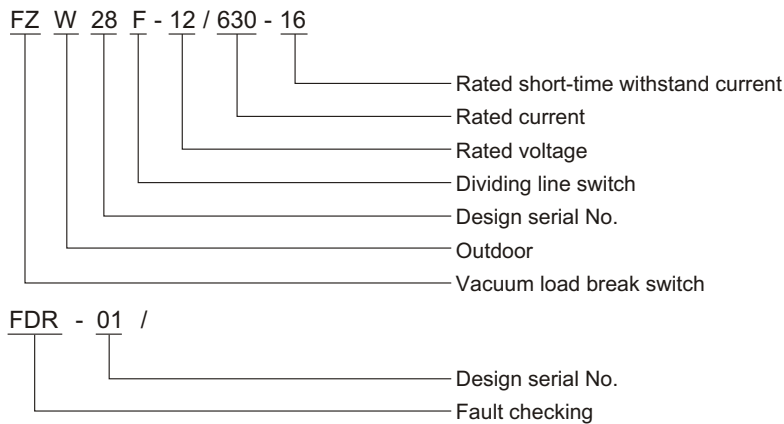
FZW28F-12 outdoor vacuum load break switch is pole mounted handle and motor free maintenance switch, which adopt vacuum arc extinguish and SF6 insulation medium. It conforms with IEC62271-103 & GB/T3804: High voltage AC load break switch. This load break switch (switch and controller) have function of fault checking, protection and communication.



### Ambient condition

1. Altitude:  $\leq 2000\text{m}$ ;
2. Ambient temperature:  $-45^{\circ}\text{C} \sim +40^{\circ}\text{C}$ ;
3. Wind speed:  $\leq 35\text{m/s}$ ;
4. Earthquake intensity:  $\leq 8$  degree;
5. Relative humidity: monthly average  $\leq 90\%$ , daily average  $\leq 95\%$ ;
6. Ice thickness:  $\leq 10\text{mm}$ ;
7. Applicable occasions should free from inflammable, explosives and severe vibration.

### Model



### Technical specification

Switch			
Item	Unit	Data	
Rated voltage	kV	12	
Rated insulation level	1min power frequency withstand voltage(phase to phase, phase to earth, across open contacts)	kV	Dry 42/49
			Wet 34
	Lightning impulse withstand voltage(phase to phase, phase to earth, across open contacts)	kV	75/85
Rated power frequency	Hz	50/60	
Rated current	A	630	
Rated short-time withstand current and duration	kA/4s	16	
Rated peak withstand current	kA	40	
Rated short-circuit making current	kA	40	
Mechanical life	Times	10000	
Net weight	kg	210	

Note: The insulate withstand voltage should be mend when the altitude higher than 1000m.

## Controller

No.	Item	Unit	Data
1	Normal voltage	V	220 AC
2	Input working voltage power frequency	Hz	50
3	Input working voltage range	%	± 20
4	Power consume	W	< 10
5	Sampling phase current input data	0~20A	more than 20A, adopt saturation
6	Sampling zero-sequence current input data	0~20A	more than 0.4A, adopt saturation
7	Power input error	%	± 5
8	Quick, over-current protection secondary current range	0.2~40A	0.1A
9	Over-current protection delay time	0~8s	0.01s
10	Zero-sequence protection primary current range	0~40A	0.1A
11	Zero-sequence protection delay time	0~1800s	0.1s
12	Single side closing delay	0~240s	0.1s
13	Computer operating distance	m	100
14	Remote distance	m	100
15	Weight	kg	12

## Product outline

