

VACUUM CIRCUIT BREAKER

>> ZW32 Series Vacuum Circuit Breaker



No.	Item	Unit	Datas			
1	Rated voltage	kV	12	24	40.5	
2	Rated frequency	Hz	50/60			
3	Rated current	A	630/1250		1250/1600	
4	Rated short-time power frequency withstand voltage	Interphase,to earth (wet)	kV/min	34/1	50/64	80/95
		Interphase,to earth (dry)		42/1	65/79	118
		Break (dry)		48/1	65/79	118
		Secondary circuit to earth		2	2	2
5	Rated lightning impulse withstand voltage	Interphase,to earth	kV	75	125	185
		Break		85	145	215
6	Rated short-circuit breaking current	kA	20/25		25/31.5	
7	Rated short-circuit making current (peak)	kA	50/63		63/80	
8	Rated short-time withstand current and duration	kA/s	20/25		25/31.5	
9	Rated peak withstand current	Ka	50/63		63/80	
10	Rated short-circuit breaking current breaking times	times	30			
11	Rated operating voltage and rated voltage of auxiliary circuit	V	AC/DC220,DC48,DC24			
12	Mechanical life	times	10000			

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>> **ZW7 Type Vacuum Circuit Breaker**



Technical Parameters

No.	Item	Unit	Datas
1	Rated frequency	kV	50
2	Rated voltage	Hz	40.5
3	Rated current	A	1250/1600/2000
4	Rated short-time power frequency withstand voltage	Interphase,to earth (wet)	80/1
		Interphase,to earth (dry)	95/1
		Break (dry)	118/1
		Secondary circuit to earth	2/1
5	Rated lightning impulse withstand voltage	Interphase,to earth	185
		Break	215
6	Rated short-circuit breaking current	kA	31.5
7	Rated short-circuit making current (peak)	kA	80
8	Rated short-time withstand current and duration	kA/s	31.5/4
9	Rated peak withstand current	kA	80
10	Rated short-circuit breaking current breaking times	times	20
11	Rated operating voltage and rated voltage of auxiliary circuit	V	AC/DC220,AC/DC110
12	Main circuit resistance(without CT)	$\mu\Omega$	≤ 100
13	Mechanical life	times	10000

VACUUM CIRCUIT BREAKER

>> LW Type Sulphur Hexafluoride SF6 Gas Circuit Breaker



Applicable for 12-145kV,the following is 72.5kV type technical parameters:

No.	Item	Unit	Datas	
1	Maximum Voltage	kV	72.5	
2	Rated Voltage	kV	67	
3	Rated Frequency	Hz	60	
4	Rated Current	A	2500	
5	Rated short circuit breaking current	short-circuit current	kA	40
		DC component	/	40%
6	Rated duration of short-circuit	s	4	
7	Rated short time withstand current (peak)	kA	40	
8	Rated short circuit making current (peak)	kA	100	
9	Rated power frequency withstand current(effective values)	phase to earth	kV	160
		between open contacts	kV	200
10	Rated lightning impulse withstand voltage(peak)	phase to earth	kV	350
		between open contacts	kV	440
11	Rated peak withstand current	kA	100	
12	Rated out - of- phase breaking current	kA	10	
13	Rated line-charging breaking current	A	50	
14	Rated operating sequence	/	0-0.3S-CO-180S-CO	
15	Closing time	ms	≤100	
16	Opening time	ms	≤50	
17	Opening - simultaneity	ms	<3	
18	Closing - simultaneity	ms	<5	
19	Rated SF6 gas pressure (20°C)	Mpa	0.5	
20	Sf6 Annual gas leakage rate	%	≤0.5%	
21	Gaseous fuel water content	ppm(v/v)	≤150	
22	Resistance of each primary loop	μΩ	70	
23	weight of fill SF6 gas	kg	8	
24	Mechanical life	times	10000	
25	Weight of circuit breaker	kg	1700	