

## ZN63A(VS1)-12 type indoor ac high voltage vacuum circuit breaker



ZN63A(VS1)-12 type indoor ac high voltage vacuum circuit breaker is a three-phase ac 50Hz indoor switching equipment with rated voltage of 12kV, which can be used for the control and protection of electrical facilities in industrial and mining enterprises, power plants and substations, and is suitable for frequent operation places.

The circuit breaker conforms to the standard requirements of GB1984-89 AC high voltage circuit breaker, JD3855-1996 3.6-40.5KV indoor ac high voltage vacuum circuit breaker, DL403-91 technical conditions for ordering 10-35KV indoor ac high voltage circuit breaker and the relevant requirements of IEC56.

The circuit breaker adopts the integrated design of operating mechanism and circuit breaker body, which can be used as a fixed installation unit or a special propulsion mechanism to form a handcart unit.

## Main specifications and technical parameters

Serial number	Item		Unit	Numerical value			
1	Rated voltage		KV	12			
2	Rated insulation level	Rated lightning shock withstand peak voltage	KA	75			
		Withstand voltage of 1min power frequency		42			
3	Rated short circuit breaking current		KA	20	25	31.5	40
4	Rated current		A	630	1250	630	1250
						1250	1600
						2000	2500
						3150	4000
5	Rated thermal stable current (effective value)		KA	20	25	31.5	40
6	Rated dynamic stable current (peak)			63		80	100
7	Rated short circuit closing current (peak)			50	63	80	100
8	Rated number of short circuit breaking current		Time	50			
9	Secondary loop power frequency withstand voltage (min)		V	2000			
10	Rated operating sequence			Open-0.3s-close open-180s-close open-180s-close open-180s-close open(40KA)			
11	Rated heat stabilization time		S	4			
12	Rated single/back-to-back capacitor bank breaking current		A	630/400 800/400 (40KA)			
13	Machine a life		Time	20000		10000(40KA)	