

## **ZN63A(VS1)-12**

Indoor High Voltage  
Vacuum Circuit Breaker



### **Overview**

ZN63(VS1)-12 type indoor high-voltage vacuum circuit breaker, a three-phase AC 50Hz rated voltage of 12kV power system indoor switching equipment, as the power grid equipment, industrial and mining enterprises power equipment protection and control unit. Suitable for frequent operation at rated operating current, or multi-alternating short-circuit current.

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

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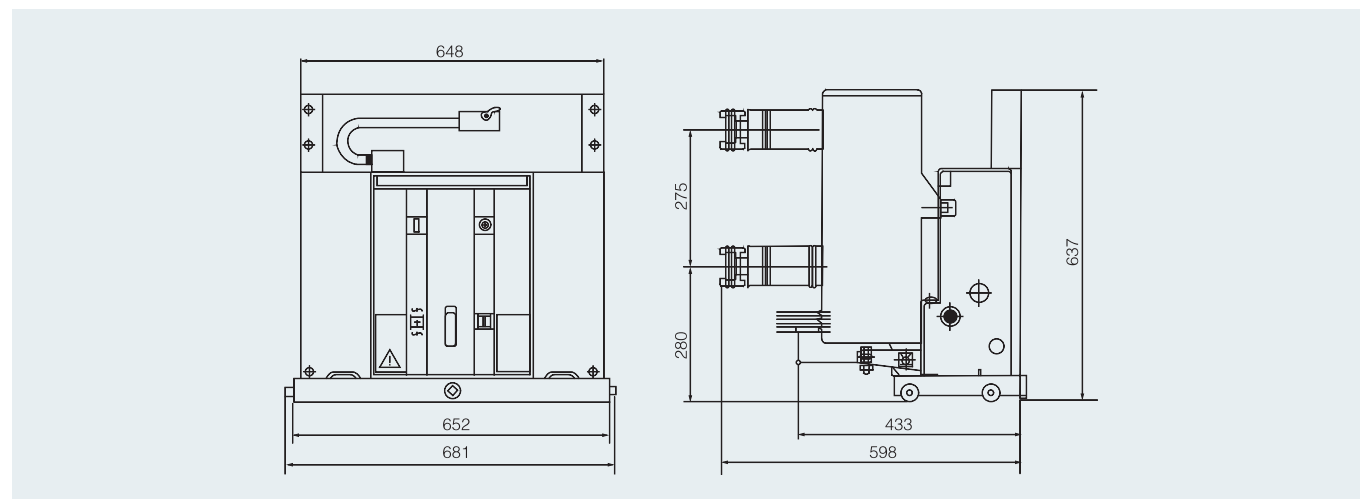
## Model meaning

VS	1	-	12	/	□	-	□
↓	↓		↓		↓		↓
Indoor high voltage vacuum circuit breaker	Product design serial number		Rated voltage (kV)		Rated current (A)		Rated short circuit breaking current (kA)

## Main technical parameters

Item	Units	Argument		
Rated voltage	kV	12		
Rated insulation level	kV	Peak rated lightning impulse withstand voltage		
		75		
Rated short-circuit breaking current	kA	1min power frequency withstand voltage		
		42		
Rated current	A	20/25	31.5	40
Rated thermal stable current (RMS)		630	630、1250	1250、
Rated dynamic stable current (peak)	kA	1250	1600、2000	1600、2000
Rated short circuit closing current (peak)			2500、3150	2500、3150
Rated short circuit breaking current breaking times	Number of times	20/25	31.5	40
Secondary circuit power frequency withstand voltage (1min)s	V	63	80	100
Rated operating sequence		O-0.3-CO-180s-CO		
Rated thermal stability time	s	O-180s-CO-180s-CO		
Rated single/back-to-back capacitor bank breaking current	A	4		
Mechanical life	Number of times	630/400 800/400(40kA)		
		10000		

## External mounting dimension (mm)



Rated current (A)	630	1250	1600
Rated short circuit breaking current (A)	20/25	25/31.5	31.5