

## **ZN85-40.5 Indoor High-Voltage Vacuum Circuit Breaker**



### ► **General**

This circuit breaker is suitable for use in the system of three phase AC 50Hz, 40.5kV for breaking and making load current, over-current, the fault current in the industry and mining enterprise, the power plant and the substation, and also it can be used in the frequent operation situation.

### ► **Main Technical Parameter**

Item	Unit	Data
Rated voltage	kV	40.5
1min Power frequency withstand voltage (effective value)	kV	95
Lightning impulse withstand voltage (peak value)	kV	185
Rated frequency	Hz	50
Rated current	A	1250,1600,2000
Rated short-time withstand current	kA	25,31.5
Rated peak value withstand current	kA	63,80
Rated short-circuit duration	s	4
Rated short-circuit breaking current	kA	25,31.5
Rated short-circuit making current	kA	63,80
Rated operation sequence		O-0.3s-CO-180s-CO

**Vacuum Switch Series**  
**CHINA · BAOGUANG GROUP**

*Following above table*

Item	Unit	Data
Breaking time	ms	<80
Breaking times of rated short-circuit breaking current	time	20
Single condenser bank breaking current	A	630
Back to back condenser bank breaking current	A	400
Rated operation voltage	V	-110/-110,-220/-220
Mechanical life	time	10000

► **Overall dimensions**

