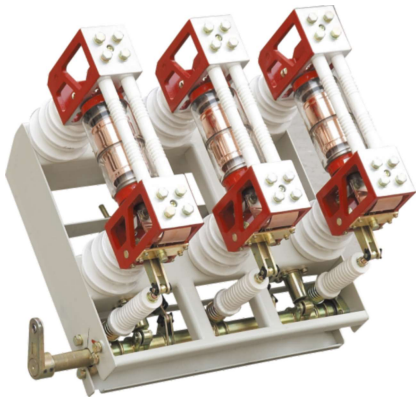
ZN28(A)-12 Series Vacuum Circuit Breaker





1. Application

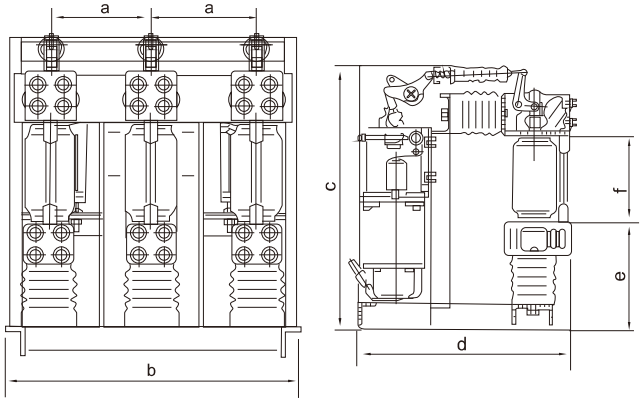
ZN28(A)-12 series vacuum circuit breakers are a kind of indoor high voltage switch device which is used in the AC three-phase power system of frequency 50Hz, rated voltage 12kV. This device is conformed to the standard GB1984-89.This device adopts unibody installation of operating mechanism and circuit breaker technology, which has two styles, respectively, ZN28-12 unibody structure and ZN28(A)-12 separable structure. it is suitable to various fixed switchgears, such as GG1A, XGN2A-10, etc.

This products can match with CD17 DC electromagnetic operating mechanism and CT19I, CD19II spring energy storage type operating mechanism.

2. Technical Parameter

Item	Unit	Value			
Rated voltage	kV	12			
Rated current	A	630,1000,1250	1250,1600	1250,1600,2000,2500	1600,2500,3150
Rated short-circuit breaking current	kA	20	25	31.5	40
Rated short-circuit switch off current (virtual value)	kA	50	63	80	100
Rated peak withstand current (peak)	kA	50	63	80	100
Rated thermo stability current(valid)	kA	20	25	31.5	40
Rated thermo stability time	s	4			
Rated operations of short-circuit breaking current interruption	times	30(50)			
Breaking time CD10 magnetic control mechanism	ms	<80			
Rated operation sequence		0.3			
Power frequency withstand voltage (1 min)	kV	42(fracture 48)			
Impulse withstand voltage	kV	75(fracture 85)			
Mechanical life	times	10000			

3. Outline and Installation Dimension (mm)



Data / Model / Code	20kA 25kA 31.5kA	40kA
a	230	275±1
b	600	690
c	707	842
d	560	652
e	293	342
f	227±1	227±1