

VD4-12 high voltage vacuum circuit breaker is the indoor switchgear with 12kV rated voltage, three phase AC 50HZ. It acts as the electrical protection and control device in the power system, especially applicable to locations that need frequent operating in rated current or under repeatedly on/off short circuit current.

This breaker was designed as a unit which gathering actuator and circuit breaker main body. It can be used for fixed mounting unit, also can be constituted as a withdrawable unit through outfit dedicated advancing mechanism. The Corresponding interlock can be increased to meet the needs of XGN2, GG1A and other fixed cabinets. Simultaneously, it can coordinate with the KYN28A-12(GZS1) middle-arranged manual-driven switchgear or XGN-fixed switchgear as well.

**Environment Condition:**

- Ambient temperature:-10°C~+40°C
- Altitude: ≤1000m
- Daily average relative humidity: ≤95%; Monthly average relative humidity: ≤90%
- Saturated vapor pressure: Daily average ≤2.2 × 10-3MPa; Monthly average≤1.8 × 10-3MPa
- Earthquake intensity: ≤8 degree
- No fire, explosion, severe vibration, chemical corrosion and serious pollution

**Technical Data**

Rated voltage	kV	12	17.5	24	36
Rated insulation voltage	kV	12	17.5	24	36
1min Withstand voltage at 50Hz	kV	28	38	50	70
Impulse withstand voltage (peak)	kV	75	95	125	170
Rated frequency	HZ	50-60			
Rated normal current(40°C)	A	630 /1250 /1600 / 2000 /2500 /3150 / 4000			
Rated breaking capacity (rated symmetrical short-circuit current)	kA	25 / 31.5 / 40			
Rated short-time withstand current(4s)	kA	25 / 31.5 / 40			
Making capacity	kA	63 / 80 / 100			
Operation sequence		[O-0.3s-CO-15s-CO]			
Opening time	ms	40...60			
Arcing time	ms	10...15			
Total breaking time	ms	50...75			
Closing time	ms	50...80			
Operating temperature	°C	15 ... +40			

Outline Dimension

