

GW4 series Outdoor High Voltage disconnectors are 3 phase AC 50Hz high voltage switchgears. They are used in no-load condition to switch off the electric circuit and isolate electrical equipment, such as high voltage bus, circuit breaker etc, and high voltage line up to 252kV power system. The disconnecting switch can be divided into: No grounding, Single grounding and Double Grounding, and mechanical interlock is set between the main blade and earthing switch.

This product is double pole structure, mainly consisting of frame, porcelains and conductive parts. Two porcelain poles of each phase are mounted respectively on bearing holders of both ends of the frame, and connected by cross links for horizontal rotation. Each of the conductive blade is divided into two parts fixed on the two supporting porcelains, and the contact part is right in the middle. It has pollution- proof type and plateau type.

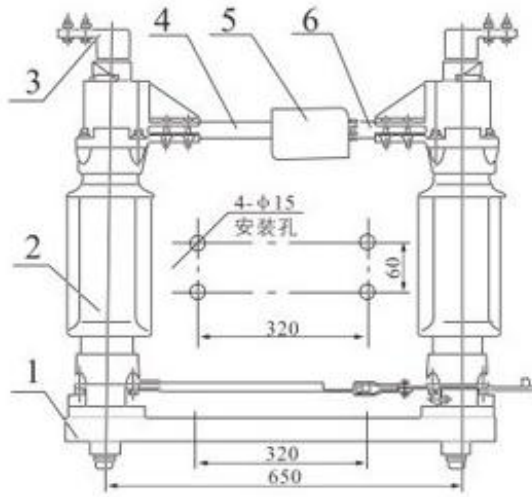
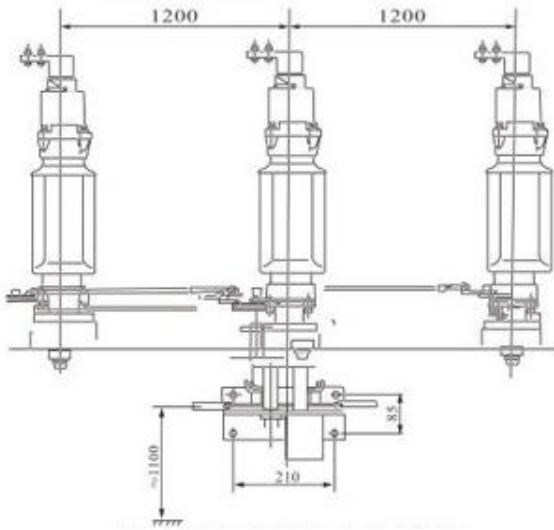
Environment condition

- Ambient temperature: max +40°C min -35°C
- Altitude: ≤3000m
- Wind pressure: ≤700Pa (equals to wind speed 34m/s)
- Air contamination degree: IV degree
- Earthquake intensity: ≤8 degree
- No corrosive or flammable gas

Technical Data

1	Rated Voltage (kV)		40.5	126	252				
2	1min power frequency withstand voltage (Effective value) kV	To Ground	95	230	460				
		Between Fracture	115	245	460+145				
3	Lightning Impulse withstand voltage (Peak value) kV	To Ground	185	550	1050				
		Between Fracture	215	630	1050+200				
4	Mechanical life (Times)		2000						
5	Rated Current (A)		400	630	1000	1250	1600	2000	3150 4000
6	Rated short time withstand Current (kA)		20	20	31.5	31.5	40	40	50 50
7	Rated withstand current (Peak value) kA		40	50	80	80	100	100	125 125
8	Rated connect machine load (N)	Horizontal vertical	750		1000	1000			
		Horizontal transverse	500		750	750			
		Vertical force	750		1000	1000			
9	Creepage distance (mm)		1013-2256		1813-2250	3150-3906			
10	Manual operating mechanism	No grounding	CS11(F)						
		Single grounding	CS8-6D(F)						
		Double grounding	Main knife CS14G(F); Earth knife CS11(F)						
		Control loop voltage (V)	AC220, DC110, DC220						
11	Motor operating mechanism	Model	CJ6						
		Motor voltage (V)	AC220, DC380, DC220						
		Control loop voltage (V)	AC220, DC380, DC220						
		Switching time (s)	6±1						

Outline Dimension



1. Base

2. post insulator

3. Terminal

4. Static conducting tube

5. Waterproof cover

6. Dynamic conducting tube