

Item	Unit	CJ6B motor	CS17 manual		
Main axes output angle	°	90	90		
Rated output angle	N.m	500			
Motor power	W	370			
Motor power supply voltage	V	AC380, DC125-132			
Motor rated current/ start current	A	1.3/4			
Motor rotate speed	r/min	1440			
Control voltage	V	AC220, DC220V			
Anti-pollution degree		IP54	IP54		
Mechanical life	Times	10000	10000		
Contact of auxiliary switch	pare	10NO+10NC	4NO+4NC, 8NO+8NC		
Opening/closing time	s	5 ± 1			
Weight	kg	90	without earth	single earth	double earth switch
			15	20	30

Operating mechanism

GW4 disconnect switch with CS17 manual operating mechanism is made of frame, auxiliary switch and handle, weight is about 15kg.

GW4 disconnect switch with CJ6B motor operating mechanism is made of stainless steel cubicle, mechanism and secondary control part auxiliary switch and handle, it have features of low noise, steady driving, easy operating, free maintenance.

Disconnect switch has motorized control mechanism. It is technically designed for the Disconnect Switch

Mechanism box can match with DSW4 electromagnetism lock to make sure anti-failure operating.

GW4 disconnect switch has a variable motor speed (RPM).

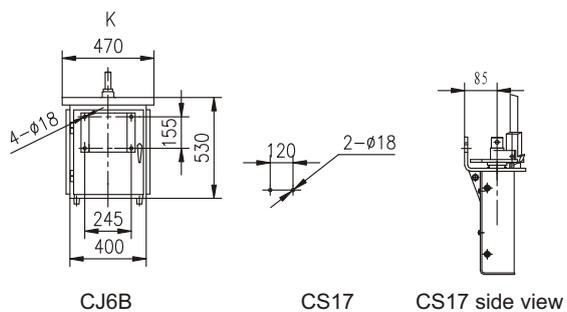
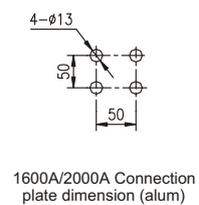
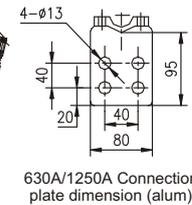
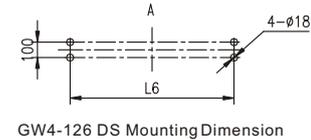
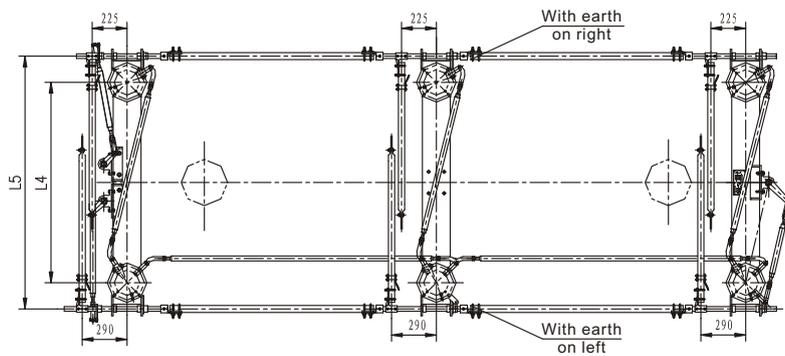
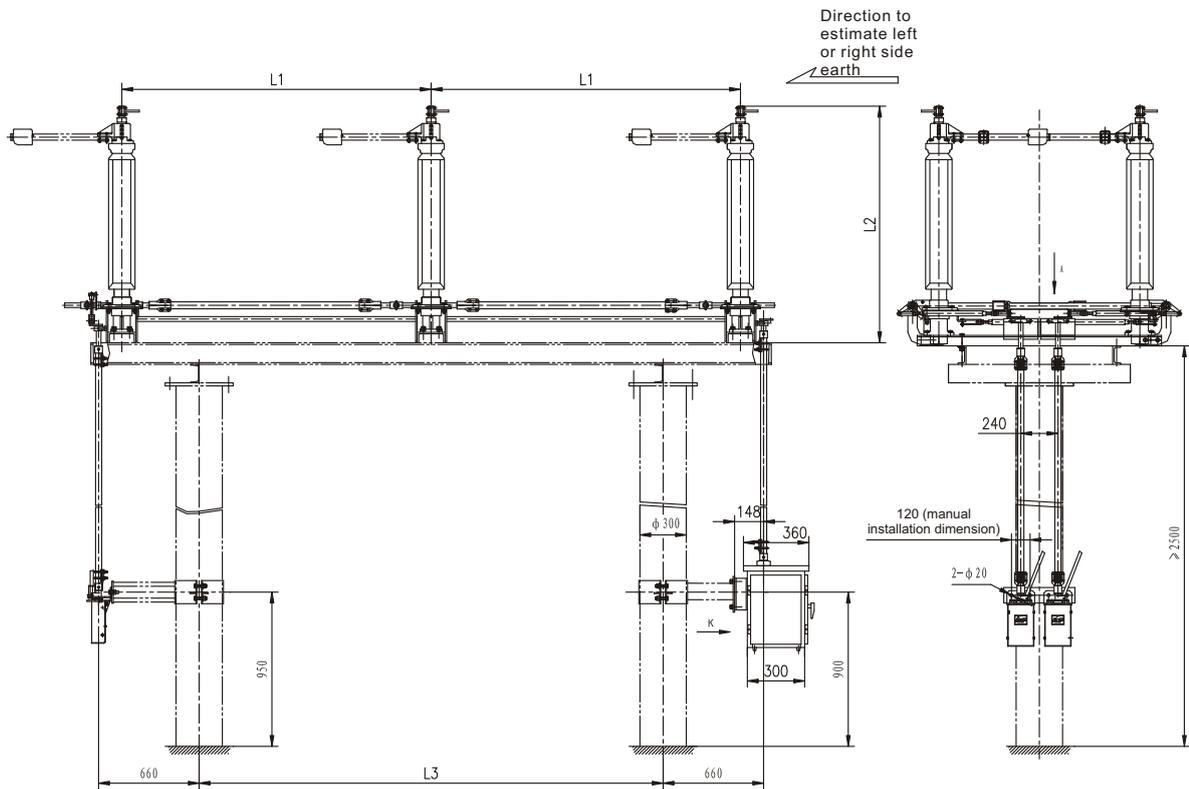
Structure feature

Disconnect switch is made of pedestal, post insulator and electric part. The pedestal of bearing adopts two whole sealing structure of frame oil sealed. There is mechanical interlock device between the main blade and the earthing blade to ensure operation follows the prescribed procedure (main open-earth close-earth open-main close). During operation mechanism operation, it drives the post insulator move 90°, the other post insulator move 90° through the cross rod to make sure opening and closing exactly.

Disconnect Switch Features:

1. Advanced driving instruction
 - 1.1 Driving part adopt composite axis cover of self-lubricate, no need to add lubricating oil. Axis pin and axis is made of stainless steel or alum bronze and have features of high precision and antirust.
 - 1.2 Framework seal structure for axis base, it's sealed both for upper and underside, molybdenum for lubricant grease, no volatilization, and non-maintenance.
 - 1.3 O/C position-limited reliable.
 - 1.4 It adopt adjustable hoop connection for mechanism output axis with switch driving axis, no need jointing and easy connection.
2. Well anti-rust performance.
 - 2.1 Different parts have different anti-rust method, hot-galvanized, hot extrusive zinc or painting.
 - 2.2 Standard equipment is made of stainless steel or hot-galvanized, stainless steel for below M10 fixing equipment, hot-galvanized for other parts.
3. Credible main electric system
 - 3.1 Contact finger silver-gilt thickness $\geq 30\mu\text{m}$, hardness ≥ 120 Vickers.
 - 3.2 Electric loop almost adopt fixing connection and can improve electric stability and reliability.
 - 3.3 Self force type contact, it's made of chrome, it make use of flexibility of contact finger and electric power to make contact electric loop all the time and avoid over-heater.
4. Automatic operation can be operated remote or local.

GW4 Frame dimension



1. CJ6B motor mechanism weight and output moment: 90kg/500N.M (main blade)
2. CS17 manual mechanism weight and operating force: 15kg/≤200N.
3. Single phase windward acreage: 0.5m²
4. Barycenter height: 600mm

Item	L1	L2	L3	L4	L5	L6
145kV with earth	2500	1835	4000	1600	2500	1360
145kV without earth	2500	1835	4000	1600	2500	1360
126kV with earth	2000	1535	3000	1300	2000	1060
126kV without earth	2000	1535	3000	1300	2000	1060
72.5kV with earth	1700	1120	2400	1000	1700	760
72.5kV without earth	1700	1120	2400	1000	1700	760

Drawing 1 GW4-^{72.5 630}/_{126 1250}/^{145 1600}/₂₀₀₀ Outdoor HV disconnect switch
(main blade with CJ6B mechanism, earth blade with CS17 mechanism)