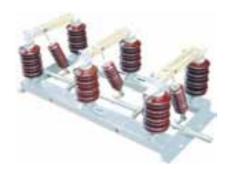
HERG[®]华似

GW□-12/24/40.5 Outdoor HV Disconnect Switch

Summary

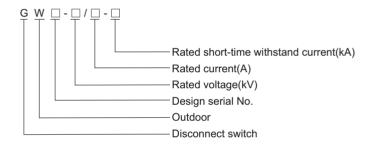
GW - 12/24/40.5-630-20(25) outdoor AC high voltage disconnect switch (disconnect switch for short) is used to open and close circuit with voltage but no-load 50/60Hz, 12/24/40.5kV power system, The anti-pollution type can be used in the serious pollution area. Three pole linkage, good synchronous performance. It accords with standards of IEC62271-103: High voltage switches. NOTE: The model of the 24kV Outdoor HV Disconnect Switch is GWHY2-24.



Ambient condition

- 1. Altitude: ≤3000m;
- 2. Ambient temperature: -30°C~+40°C;
- 3. Wind speed: ≤35m/s;
- 4. Air pollution: IV;
- 5. Earthquake intensity: ≤8 degree;
- 6. Ice thickness: ≤10mm.







Technical specification

No.	Item		Unit	Data		
1	Rated voltage		kV	12,24,40.5		
2	Rated current			630, 1000, 1250		
3	Rated power frequency			50/60		
4	Rated peak withstand current		kA	50, 63		
5	Rated short-time withstand current		kA	20, 25		
6	Rated short-time withstand current duration		S	4		
7	Main loop resistance	ain loop resistance		12kV≤80	24kV≤90	40.5kV≤100
8	1min(dry) power frequency withstand voltage	phase to phase phase to earth across open contacts		42/48	50/60	95/115
9	1min(wet) power frequency withstand voltage			34	50	85
10	lightning impulse withstand voltage (peak)			75/85	125/145	185/215
11	Mechanical life		Times		2000	

Structure feature

This disconnect switch consists of frame, operating insulating, static contactor, blade, linkage spring mechanism, etc.

Frame: 5mm chickness bended armor plate, there are holes on the frame to fixed post insulator.

Post and operating insulator: adopt ZS-12, 40.5 series outdoor clubbed post insulator, The mini resist bend load is 4000N.

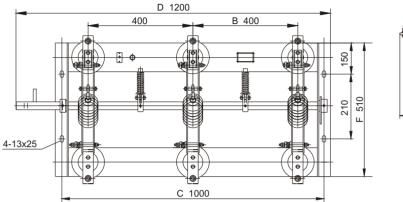
Static contactor: it is made of violet copperplate and fixed on post insulator.

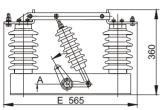
Blade: it is made of rectangular violet copperplate, there is an press-spring to adjust press.

The switch vertical or horizontal installed in outdoor with CS mechanism.

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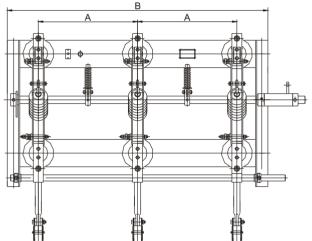
Model	Outline dimension(mm)					
wodei	В	С	D E	F		
GW□-12/630-20	400	1000	1200	565	510	
GWHY2-24/630-20	375	395	1155	695	650	
GW□-40.5/630-20	500	1250	1450	815	728	

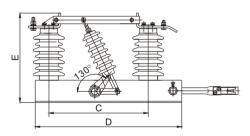




Vertical(V)	130°
Horizontal(H)	50°
Install method	А

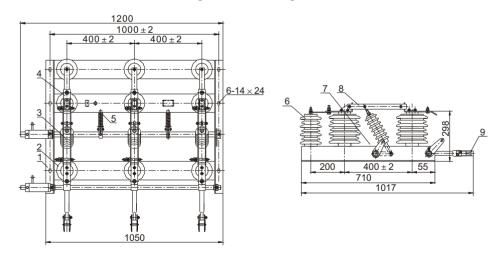
Fig.1 Outline dimension





Model	Α	В	С	D	Е
GW□-12D/1250	400	1050	400	590	403
GWHY2-24D/1250	450	1160	450	650	530
GW -40.5D/1250	500	1300	550	730	620

Fig.2 With earthing blade



1.Base frame 2.Post insulator 3.Pull insulator 4.Contacts 5.Spring6.Lightning arrester 7.Rotating shaft turning arm 8.Contact blade 9.Earthing blade