

GW9-12/24(W) Outdoor HV Disconnect Switch

Summary

GW9-12/24(W) outdoor AC high voltage disconnect switch (disconnect switch for short) is used to open and close circuit with voltage but no-load 50/60Hz, 6.6~24kV power system, anti-pollution type suitable for serious pollution area.



Ambient condition

1. Altitude: $\leq 1000\text{m}$;
2. Ambient temperature: $-25^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
3. Wind speed: $\leq 35\text{m/s}$;
4. Earthquake intensity: ≤ 8 degree;
5. Applicable occasions of normal type switch should be free from chemistry aggravation, dust and other volatile & caustic thing.

Technical specification

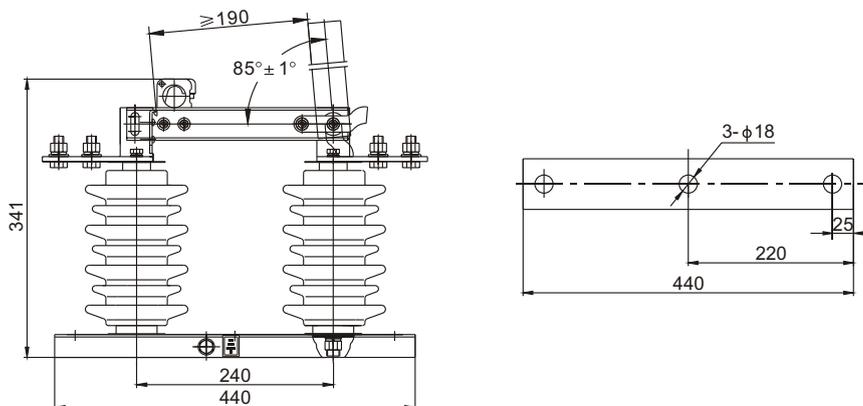
Model	Rated voltage (kV)	Rated current (A)	4s short-time withstand current(kV)	Withstand current (peak)	Rated insulation level		
					Lightning impulse		Power frequency withstand voltage(1min)
					Phase to earth (kV)	Across open contacts (kV)	Phase to earth wet (kV)
GW9(W)-12/24/400	12/24	400	12.5	31.5	75/125	85/145	34/60
GW9(W)-12/24/630	12/24	630	20	50			
GW9(W)-12/24/1000	12/24	1250	20	50			

Structure feature

GW9-12/24(W) disconnect switch is single type.

1. This series switch have normal and anti-pollute two difference models, it composed of frame, support insulator, with power part and operating mechanism.
2. Each pole have two pieces blade, there is press spring near the contactor base and have adjusted nut to keep good contact press, there is a support structure on the blade, it can be locked after closing, so it will not be closing by itself under any condition, under normal or short-circuit condition, it can ensure the reliable performance of dynamic and thermal stability.

Outline dimension



Drawing 1 GW9-12/630 Outdoor disconnect switch outline dimension