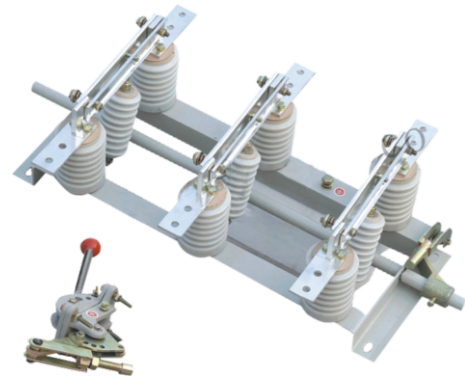


GN19-12 Type Indoor High voltage Disconnect Switch



GN19-12

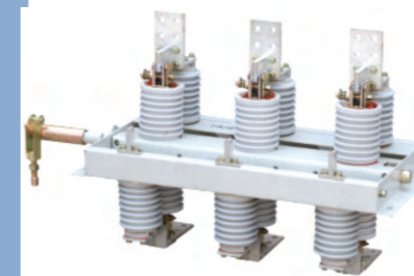
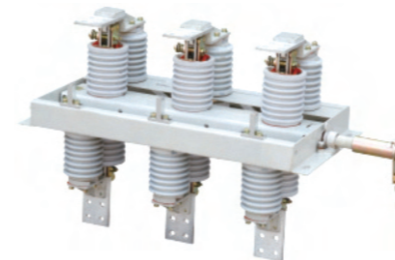
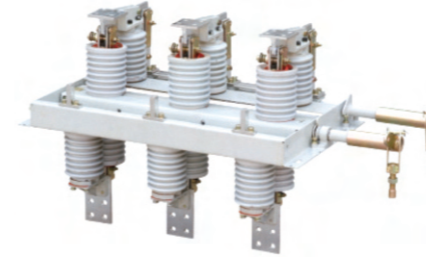
General Introduction

GN19-12(C) indoor HV disconnect switch applies to power system of rated voltage below 12kV, AC 50/60Hz. It is equipped with CS6-1 manual-operating mechanism and is used to break and make circuit under no-load. There are additional pollution type, high-altitude type and electrified display.

Technical Specification

Model	Rated voltage (kV)	Maximum voltage (kV)	Maximum current (A)	4S thermal stability current (kV)	Dynamic stability current (kV)
GN19-12(C)400-12.5	10	11.5	400	12.5	31.5
GN19-12(C)630-20	10	11.5	630	20	50
GN19-12(C)1000-31.5	10	11.5	1000	31.5	80
GN19-12(C)1250-40	10	11.5	1250	40	100

GN30-12 Type Rotary Indoor High Voltage Disconnect Switch



GN30-12

General Introduction

GN30-12 Series indoor H.V. rotation disconnecting switches is a new type of disconnecting switches, which special designed for XGN2-12 H.V. switchgear, with rated voltage 12kV and three phase AC 50Hz indoor facility. It mainly opens and closes circuit on condition with voltage and no load, making circuit breaker and main bus reliable and effective with disconnecting and earth, to guarantee safe for maintenance staff and component, avoid accident.

Product Features

1. Scientific design and innovative structure.
2. Contacting points distribute on two planes, small operating moment, and release pressure to small and easy adjustment.
3. Improved driving and conducting part.
4. Column moving contact that can decrease operating strength and ensure reliability of circuit conduction.

Working Conditions

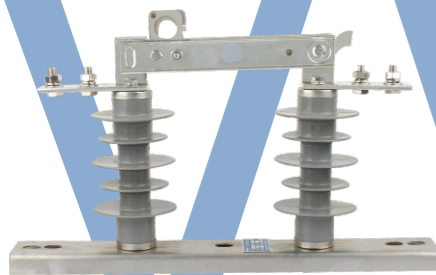
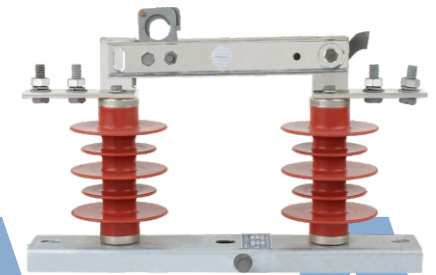
1. The altitude does not exceed 1000m;
2. Ambient air temperature: -10 °C ~ +40 °C;
3. Relative humidity: daily average value is not greater than 95%, monthly average value is not greater than 90%;
4. Contamination grades: no serious dust, corrosive and explosive material place;
5. Earthquake intensity: do not exceed 8 degree; No regular violent vibration place.

Model and Meaning

G	N	30	-	12	(D)	□	/	□	-	□
<p>Rated short-time withstand current</p> <p>Rated current</p> <p>Derived symbol (G) for high prototype</p> <p>With the earthing device</p> <p>Rated voltage</p> <p>Design code</p> <p>The use of places (indoor)</p> <p>Disconnecter</p>										

Technical Specification

Parameter	Product specifications				
	GN30-12/400-12.5	GN30-12/630-12.5	GN30-12/1000-12.5	GN30-12/1250-12.5	GN30-12/1600-12.5
Item	GN30-12D/400-12.5	GN30-12D/630-12.5	GN30-12D/1000-12.5	GN30-12D/1250-12.5	GN30-12D/1600-12.5
Voltage, current parameters					
Rated voltage (kV)	12				
Rated current (A)	400	630	1000	1250	1600~3150
Rated short-time withstand current (kA)	12.5	20	31.5	31.5	40
Rated short-time duration (S)	4	4	4	4	4
Rated peak withstand current (KA)	31.5	50	80	80	100
Rated insulation level	1 min power frequency withstand voltage (KV)	Between pole, pole to earth 42 fracture 48			
	Lightning impulse voltage (kV)	Between pole, pole to earth 75 fracture 85			



General Introduction

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

Features

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.

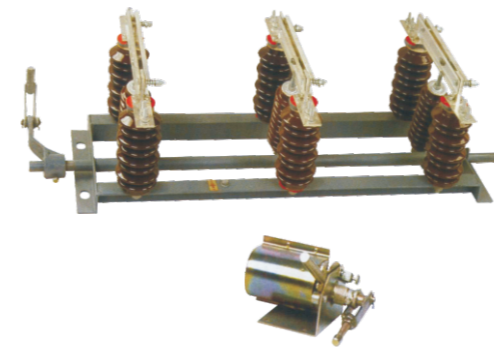
Working Conditions

1. The altitude does not exceed 1000m.
2. The ambient air temperature: Maximum+40°C:Minimum: General Area-30°C, Paramos-40°C.
3. The wind pressure does not exceed 700Pa.
4. The earthquake intensity does not exceed 8 degrees.
5. The working situation without frequent violent vibration.
6. The installation site of ordinary type isolator should be kept away from gas, smoke chemical deposition, salt-spray-fog, dust and other and corrosive matters that affect seriously insulation and conduction capability of the isolator.
7. Pollution-proof type isolator is applies to severe filthy conduction area, however, It shouldn't be any explosive matters and matters causing fire.

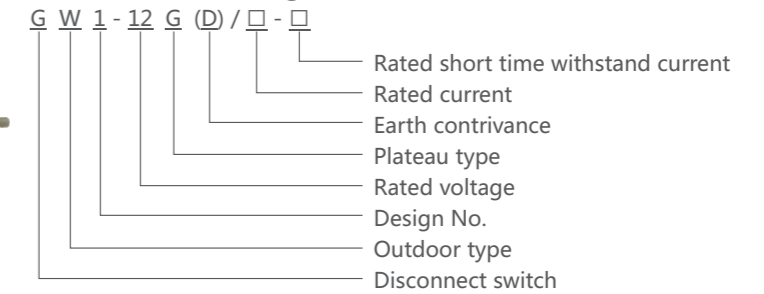
Technical Specification

Type	Rated voltage (kV)	Rated current (A)	4S Heat steady e.c.	Motion steady e.c.	Impulse withstand voltage		Power-frequency withstand voltage	
					To earth	Across the isolating distance (kV)	To earth	Across the isolating distance (kV)
GW9(W)	12	400	12500	31500	75	85	38	42
	12	630	12500	31500	75	85	38	42
HGW9(W)	12	400	12500	31500	75	85	38	42
	12	630	12500	31500	75	85	38	42
JDW2	0.5	800	1250	3150	4	5	2	3
	0.5	1000	1250	3150	4	5	2	3

Type	120A	150A	220A	300A	360A	470A	300A
GWR1	0.15	0.20	0.30	0.50	0.60	0.80	0.90
	80	100	150	180-120	250	315-320	400



Model and Meaning



Working Conditions

1. The altitude above sea level: 2000m
2. The ambient air temperature: -40°C~40°C wind speed does not exceed 35m/s.
3. The earthquake intensity does not exceed 8 degrees.
4. The working situation is without frequent violent vibration.
5. The installation site of ordinary type isolator should be kept away from gas, smoke chemical deposition, salt-spray fog, dust and other explosive and corrosive matters that affect seriously insulation and conduction capability of the isolator.
6. Pollution-proof type isolator is applies to severe filthy conduction area, however, it shouldn't be any explosive matters and matters causing fire.

Application and Features

GW1 outdoor AC H.V. disconnect switch (disconnect switch for short) is used to open and close circuit with voltage but no-load 50/60Hz, 12(40.5)kV power system. It accords with standard: IEC62271-103: H.V. Switches. It can be matched with CS□type manual mechanism to avoid error. There is no necessary to hang an earthing line. The two types are normal and anti-pollution, the anti-pollution type used in serious pollution area.

GW1 Technical Specification

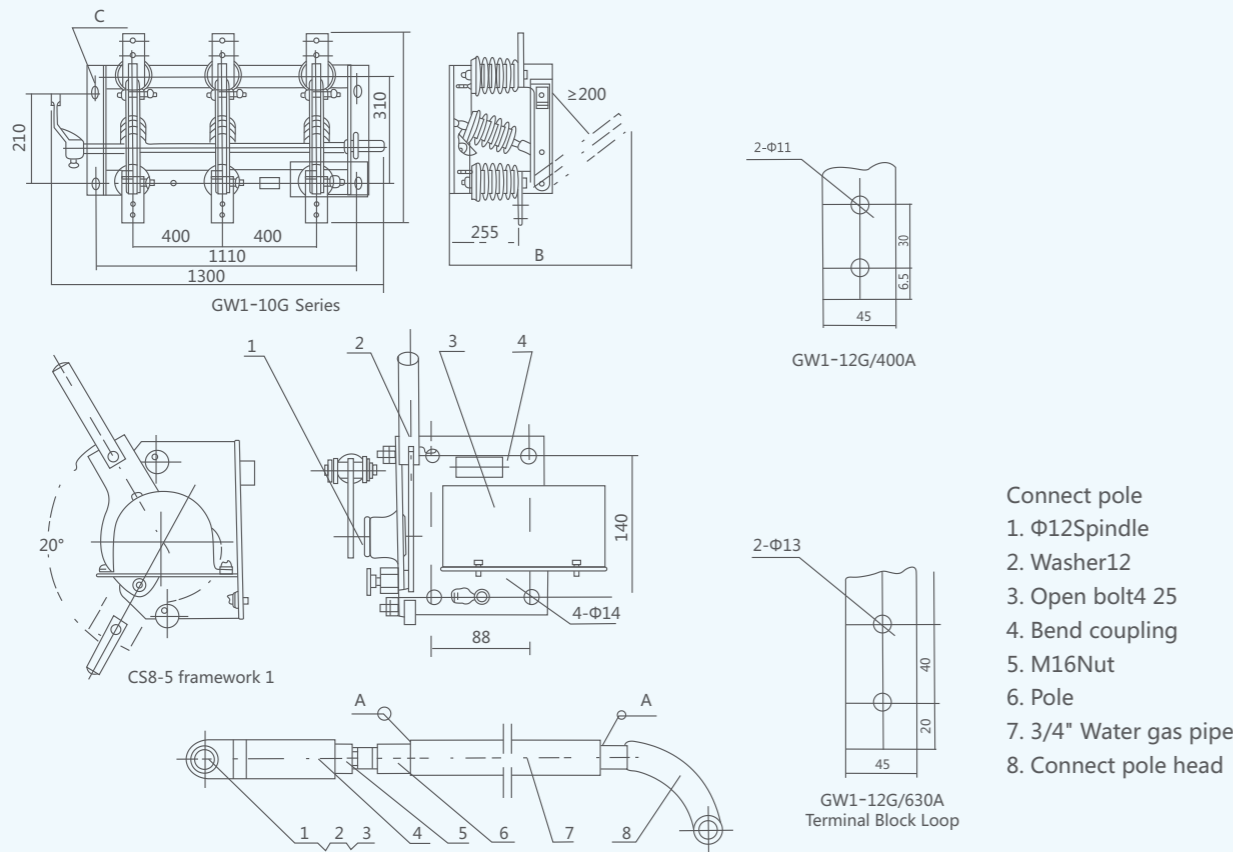
Item	Unit	Technical parameters				
Rated voltage	kV	10	15	20		
Max. operating voltage	kV	12	17.5	24		
Rated insulation level	1min. power frequency withstand voltage	To earth	kV	38	42	50
		Across open DS	kV	42	48	60
Rated insulation level	Rated lightning impulse withstand voltage	To earth	kV	75	105	125
		Across open DS	kV	85	120	145
Rated frequency	Hz	50				
Rated current	A	200	400	630	1250	
4s short time withstand current	kA	6.3	12.5	20	31.5	
Peak withstand current	kA	16	31.5	50	80	
Mechanism supplied for disconnecter		CS8-1, CS8-D, CD8-5 Rain type manual mechanism or CX6 motor drive mechanism				

GW1-12G(D)
Outdoor High Voltage Disconnect Switch

HGW1 Technical Specification

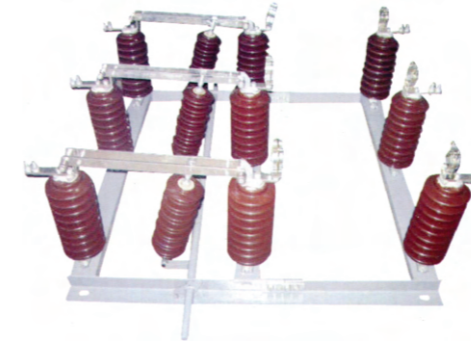
Item		Unit	Technical parameters			
Rated voltage		kV	12	24	33	
Max. operating voltage		kV	15	27	35	
Rated insulation level	1min. power frequency withstand voltage	To earth	kV	40	50	80
		Across open DS	kV	47	60	90
	Rated lightning impulse withstand voltage	To earth	kV	105	125	180
		Across open DS	kV	120	145	210
Rated frequency		Hz	50			
Rated current		A	200	400	630	1250
4s short time withstand current		kA	6.3	12.5	20	31.5
Peak withstand current		kA	16	31.5	50	80
Mechanism supplied for disconnect			CS8-1, CS8-D, CD8-5 Rain type manual mechanism or CX6 motor drive mechanism			

Outline and Mounting Dimensions

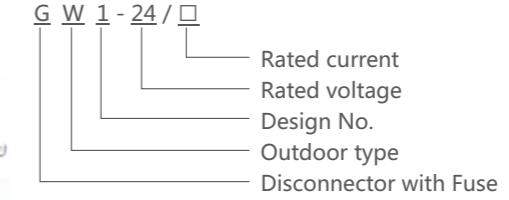


Model	A	B	C
GW1-12G/400A	510	555	18×24=4
GW1-12G/630A	530	555	18×24=4
GW1-24G/400A	510	555	18×24=4
GW1-24G/630A	530	555	18×24=4

GW1-24
Three Pole Outdoor Disconnect with Fuse-bases(Export)



Model and Meaning



Working Conditions

1. The altitude above sea level: 2000m
2. The ambient air temperature: -40°C~40°C
3. Wind speed does not exceed 35m/s.
4. The earthquake intensity does not exceed 8 degrees.
5. The working situation is without frequent violent vibration.
6. The installation site of ordinary type isolator should be kept away from gas, smoke chemical deposition, salt-spray fog, dust and other explosive and corrosive matters that affect seriously insulation and conduction capability of the isolator.
7. Pollution-proof type isolator is applies to severe filthy conduction area, however, it shouldn't be any explosive matters and matters causing fire.

Application and Features

GW1 outdoor AC H.V. disconnect switch (disconnect switch for short) is used to open and close circuit with voltage but no-load 50/60Hz, 12(40.5)kV power system. It accords with standard: IEC62271-103: H.V. Switches. It can be matched with CS□type manual mechanism to avoid error. There is no necessary to hang an earthing line. The two types are normal and anti-pollution, the anti-pollution type used in serious pollution area.

Technical Specification

Type	GW1-24/630		
Rated voltage	Ur	24kV	
Rated frequency	Fr	50Hz	
Rated current	Ir	630A	
Rated short time current	Ik	25kA	
Rated duration of short-time circuit	tk	3s	
Rated peak withstand current	Ip	63kA	
Rated impulse withstand voltage	-Phase to earth	Up	125kV
	-Across the open gap		145kV
Rated power frequency withstand voltage	-Phase to earth	Ud	50kV
	-Across the open gap		60kV