

XGHY6-12 AC Metal-clad Switching Station

Summary

XGHY6-12 AC Metal-clad Switching Station is equipped with shielding type busbar structure with many patented technologies. It can meet all kinds of wiring schemes such as power supply of looped network and branch type power supply, apply to 12kV, 50Hz three-phase AC power distribution system, for ring network power supply or terminal power supply. The switching station conforms to GB1985 《HV AC Disconnecter and Earthing switch》, GB 3906 《3.6kV-40.5kV AC Metal-clad enclosed Switchgear and Controlgear》, GB/T 4208 《Enclosure Protection Grade(IP code)》, GB/T 11022 《standard Common Specification of Switchgear and Controlgear》, GBT 1984 《HV AC Circuit Breaker》, etc..

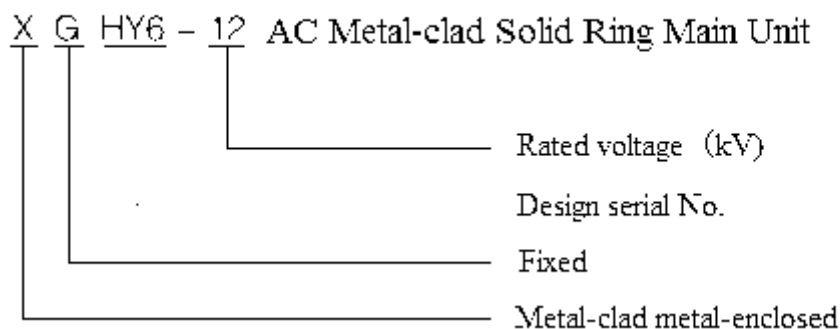


Ambient Condition

- 1 Environmental air temperature: -25°C ~ +40°C;
- 2 Altitude ≤ 3000m;
- 3 Relative humidity: daily mean value is not more than 95%, monthly mean value is not more than 90%;
- 4 Saturated vapor pressure: daily mean value is not more than 2.2kPa, monthly mean value is not more than 1.8kPa;
- 5 Earthquake intensity: not exceeding 8 degree;
- 6 Installation site: without fire risk, explosion hazard, heavy pollution, chemical corrosion and violent vibration. Vertical bank is not more than 5° ;
- 7 Both can be used indoor and outdoor.

Model

Outdoor



Technical Parameters

No.	Item		Unit	Data			
				V Unit	C Unit	F Unit	D Unit
1	Rated voltage		kV	12			
2	Rated frequency		Hz	50			
3	Rated current		A	630	630	125	630
4	Rated closed loop breaking current		A		630		
5	Rated short circuit breaking current		kA	20/25			
6	Rated short circuit making current		kA	50/63	50	50	
7	Rated cable charging current		A	25	10	10	
8	Thermal stability current (effective value)	Main loop (4s)	kA	20/25 (4s)	20(4s)		20 (4s)
		Earthing switch & earthing loop (4s)					
9	Dynamic current (peak)	Main loop	kA	50/63	50		
		Earthing switch & earthing loop					
10	Rated insulation level(phase to ground / fracture)	1min P.F. withstand voltage (phase to ground / fracture)	kV	48			
		lightning impulse withstand voltage (phase to ground / fracture) (peak)					
11	Main circuit resistance		$\mu \Omega$	<100	<100	<180	<60
12	Earthing circuit resistance		$\mu \Omega$	<60	<60	<60	
13	5% Rated active load open breaking current				31.5		
14	Mechanical life		Time	10000	10000	10000	
15	Protection grade			Enclosure of ring main unit: IP4X; Enclosure of outdoor type: IP43			

Main Feature

1. Adopt solid insulation technology, without SF6 gas, comply with environmental protection requirements;
2. The electric parts have been insulated encapsulation, without exposed parts, avoiding discharge between phases;
3. The product is fully insulated, fully shielded, free of maintenance structure, free from external pollution and metal bonding;
4. Modular splicing design, easy to come back to expand, unit change, change the program;
5. The product is equipped with spring operating mechanism, with the power operation, manual operation function, reserve the distribution automation interface;
6. The product is with reliable mechanical chain function, the implementation of five anti chain requirements.

Basic Structure

