



RMU HIGH VOLTAGE SWITCHGEAR SERIES

H(L)6-12/24 /40.5 630/20 SF6 Standard specification

H(L)6-12/24/40.5 series SF6 fully insulated and fully enclosed compact ring network cabinet (hereinafter referred to as inflatable cabinet) is suitable for three-phase AC 50Hz, rated voltage 24kV power distribution system,

It can be used as a load current, an overload current, and a short circuit. It can also break capacitive loads such as no-load transformers, fixed-line overhead lines, cable lines and capacitor banks, and generate power in the power system.

Distribution, control and protection. H(L)6-12/24/40.5 adopts a fully sealed structure, all of which are sealed in a gas chamber welded

by a stainless steel plate with a protection rating of IP67.

H(L)6-12/24 /40.5 630/20 Use of environmental conditions

1. Ambient temperature: -40°C ~ +40°C (less than -30 °C by the user and the manufacturer to negotiate)
2. Altitude: ≤ 2500 meters (more than 2500 meters by the user and the manufacturer)
3. Maximum average relative humidity: 24-hour average ≤ 95%, monthly average ≤ 90%
4. Earthquake intensity: no more than 8 degrees
5. Locations without fire, explosion, chemical corrosion and frequent severe vibration

Single-spacer dimensions: width 350* depth 810* height 1450

Serial No.	Project	C Module		F Module		V Module	
		Load switch		Combination Electrical Appliances		Vacuum circuit breaker	Isolation/ Grounding Switch
1	Rated voltage (kV)	12				24	
2	1min Power frequency withstand voltage (kV)			42/48		65/79	
3	Lightning impulse withstand voltage (kV)			75/85		125/145	
4	Rated current (A)	630		125*		630	630
5	Turn on and off current						
	Closed-loop interrupting current (A)	630					
	Cable Charging Opening Current (A)	10					
	5% Active Load Open-Out Current (A)	31.5					
	Grounding fault interruption current (A)	31.5					
	Short circuit breaking current (kA)			31.5*		20	
6	Short-circuit closing current (kA)	63		80*		20	
7	Short-circuit withstand current (kA)	20				20	20
8	Short circuit duration (s)	4				4	4/2
9	Mechanical life time	5000		5000		10000	10000
10	SF6 Gas Pressure (bar)	1.2/12		1.4/24 (20°C)			
11	Annual leak rate	0.1%					
12	Protection Level	IP67/4X		(Gas tank/Enclosure)			

Serial No.	Project	C Module		F Module		V Module	
		Load switch		Combination Electrical Appliances		Vacuum circuit breaker	Isolation/ Grounding Switch
1	Rated voltage (kV)					40.5	
2	1min power frequency withstand voltage (kV)					95/118	
3	Lightning impulse withstand voltage (kV)					185/215	
4	Rated current (A)	630		80*		630	1250
5	Rated Closed-loop interrupting current (A)	630					
6	Rated Cable Charging Opening Current (A)	21					
7	5% Active Load Open-Out Current (A)	31.5					
8	Grounding fault interruption current (A)	63					
9	Rated Short circuit breaking current (kA)			31.5*		20	25
10	Rated short circuit closing current (kA)	50		80*		50	63
11	Rated short circuit withstand current (kA)	20				20	25
12	Rated short circuit duration (s)	4				4	4
13	Mechanical life time	5000		5000		10000	5000
14	SF6 Gas Pressure (bar)	1.4/ (20°C)					
15	SF6 Annual leak rate	0.1%					
16	Protection Level	IP67/4X		(Gas tank/Enclosure)			

* Indicates that depends on or is limited by a fuse.