



SRM16-12/24 type

SF6 gas insulated switchgear

The technology from Asia Electrical Power International Group Inc. (AEPIG) in American



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General Description

By the perfect integration of stationary type and flexible expansion, SRM16-12/24 type SF6 gas insulated switchgear with the adoption of the modular design, is suitable for end-user or network node, meanwhile meets the requirement of all kinds of switching substations, cabinet-type transformer substations and cable branch cabinets. It features on its compact structure, safety and reliability, longevity and maintenance free.

This product is in conformity with the standards of IEC60420、GB/T11022、GB3804、GB3906.

Specification

No	Item	Unit	C Module		V Module		
			Load Break Switch		Circuit Breaker		
1	Rated voltage	kV	12	24	12	24	
2	Rated current	A	630*				
3	Rated frequency	Hz	50/60				
4	1min Power frequency withstand voltage	Common value	kV	42	50	42	50
		Across insulate distance	kV	48	60	48	60
5	Lightning impulse withstand voltage	Common value	kV	75	125	75	125
		Across insulate distance	kV	85	145	85	145
6	Rated transfer current	A	1700	1000			
7	Rated active load and close circuit breaking current	A	630				
8	Rated cable charge breaking current	A	50 and 10				
9	Rated short circuit breaking current	kA			20	16	
10	Rated short circuit making current (peak)	kA	63	50	63	50	
11	Short time (2s) withstand current, load switch/earth	kA	25/20	20/20	25/20	20/20	
12	Rated withstand current (peak)	kA	63	50	63	50	
13	Mechanism life	Times	3000		10000	3000	
14	Dimension (per unit)	mm	371x751x1336				

Remarks * Rated current of combination of switch and fuse decided by the fuse current.

Classical Combination

The users can choose different modules for assembly.

- C load switch module (width 325mm)
- De cable connecting module with earth reamer
- D cable connecting module without earth reamer
- F electric module of load switch fuse combination
- V vacuum switch module
- SL bus-bar segment switch module (load switch)
- Sv bus-bar segment switch module (vacuum switch)
- Be bus-bar earth module
- M meter calculation module
- GB vacuum circuit breaker module



Service Conditions

- A. Altitude \leq 2500 meters;
- B. Ambient temperature: $-35^{\circ}\text{C} \sim +40^{\circ}\text{C}$, the max. temperature difference $\leq 25^{\circ}\text{C}$;
- C. Average value of daily relative humidity $\leq 95\%$;
- D. Average value of monthly relative humidity $\leq 90\%$;
- E. Anti-earthquake capacity: earthquake intensity ≤ 8 degree.

Test Report

