

## Product Introduction

THXGN-12 series SF6 fully insulated ring main cabinet is suitable for power distribution devices with three-phase AC 50Hz and rated voltage of 12kV, which is widely used in industrial and civil cable ring network and power supply terminal. It is especially suitable for receiving and distributing electric energy in power systems such as small secondary distribution stations, switching stations, industrial and mining enterprises, urban residential quarters, airports, railways, tunnels, and high-rise buildings.



**THXGN-12**  
metal-enclosed switchgear  
(inflatable cabinet)

## Technical Parameters

Model		Parameter load switch	Combination Electric appliance	Circuit breaker
Rated voltage(kV)		12	12	12
Rated frequency (Hz)		50	50	50
Rated current of main busbar (A)		630 1250	630	630 1250
Rated current (A)		630 1250	125	630 1250
Rated short-circuit breaking current (kA)			31.5	
Rated transfer current (A)			1700	
Thermally stable current (effective value)(kA)	Primary loop 4s	20		20/25/31.5
	Grounding switch 2s			
Dynamic stabilized current (peak)(kA)	Connect the loop with ground for 2s	17.3		17.4/21.75/27.4
	The primary loop	50		50/63/80
Rated short-circuit close current (peak)(kA)	Ground connection loop	43.5		43.5/54.6/69.6
	Load switch	50		50/63/80
Grounding switch 2s				
1min power frequency withstand voltage (kV)	To the ground and between	42	42	42
	The isolation of fracture	48	48	48
Thunderbolt shock voltage tolerance(kV)	To the ground and between	75	75	95
	The isolation of fracture	85	85	110

■ Product continues to iterate, specifications may be updated without prior notice.