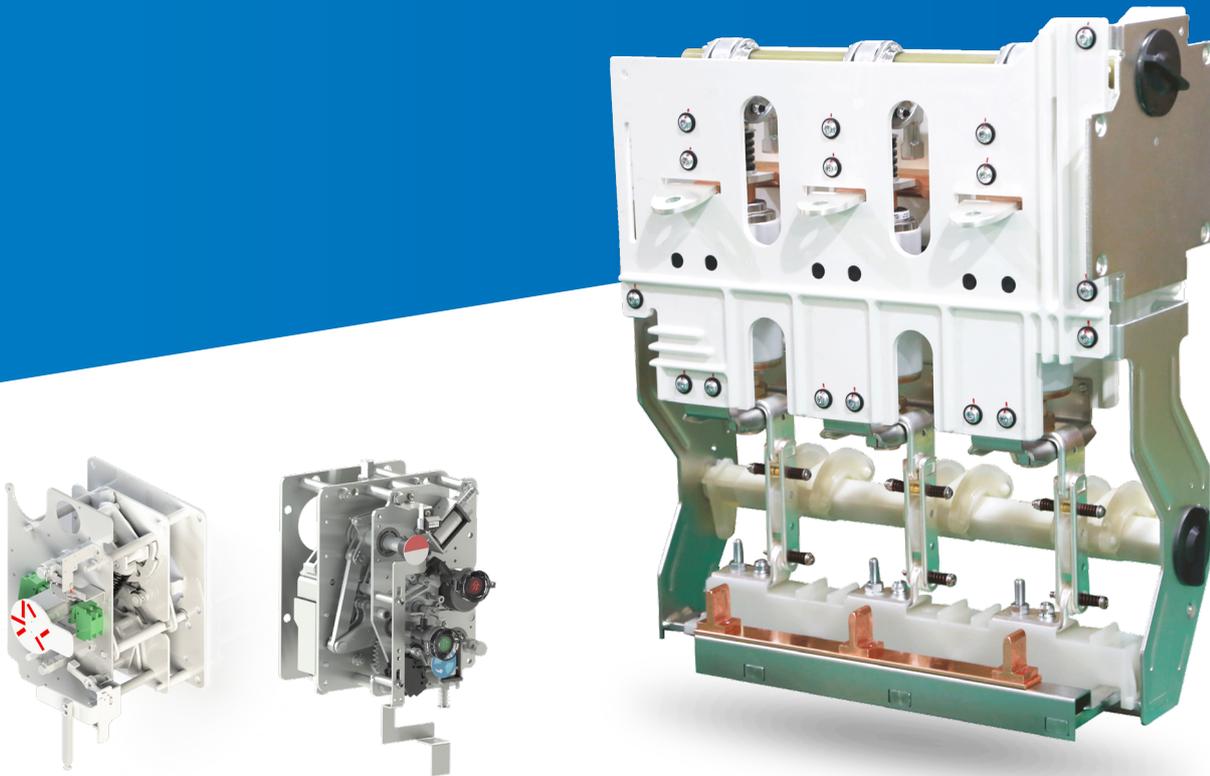


SPF SERIES SF6 RMU CIRCUIT BREAKER

 20kA



Product Introduction

SPFV-12D/T630-20 is a dedicated vacuum circuit breaker for 12kV SF6 gas-insulated switchgear, incorporating a three-position disconnecter and earthing switch. Featuring a clamp-type structure, it offers key advantages including reliable breaking performance, extended service life, maintenance-free operation, and enhanced safety. As the component of gas-insulated switchgear, it performs core functions with characteristics such as load current handling, and the ability to making and breaking short-circuit currents.

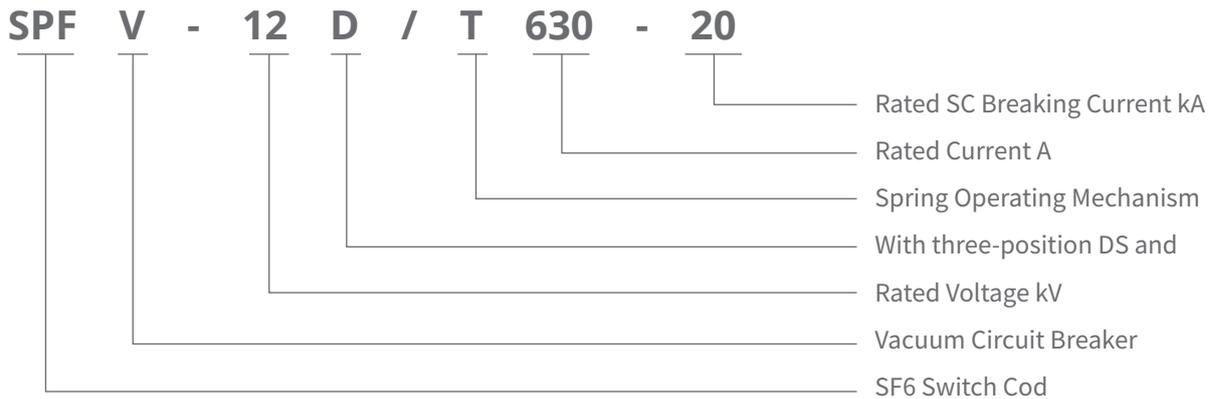
The SPFV-12D/T630-20 vacuum circuit breaker complies with GB/T11022-2020, GB1984 standards.

PRODUCT FEATURE

-  Easy installation, minimal maintenance, compact and reliability.
-  Main circuit: 63kA/20kA (4s), mechanical endurance $\geq 10,000$ operations
-  Mechanical endurance: Disconnecter switch, Earthing switch
 ≥ 3000 operations
-  Ambient temperature: -25°C to $+50^{\circ}\text{C}$; Seismic intensity ≤ 8 degrees

Model Composition and Meaning

Note: Please contact our company if require test type.



Main Technical Parameters

ITEM	UNIT	PARAMETER	
Rated Voltage	kV	12	
Rated Frequency	Hz	50	
Rated Current	A	630	
Power frequency withstand voltage (1min)	Across the isolating distance	kV	48
	Phase to Phase/ Phase to Earth		42
Rated peak impulse withstand voltage (1.2/50 μ S)	Across the isolating distance	kV	85
	Phase to Phase/ Phase to Earth		75
Rated short-circuit making current	kA	50	
Rated short-time withstand current (rms)	kA/S	20 (4s)	
Rated peak withstand current	kA	50	
Rated short-circuit breaking current	kA	20	
Rated short-circuit breaking capacity		\geq E2 Class	
Earthing switch 2s short-time withstand current	KA	20	
Circuit breaker mechanical endurance	Operation	≥ 10000	
DS, ES Mechanical Endurance	Cycles	≥ 3000	
Maximum Permissible Partial Discharge Level 1.1Ur	pC	≤ 15	

