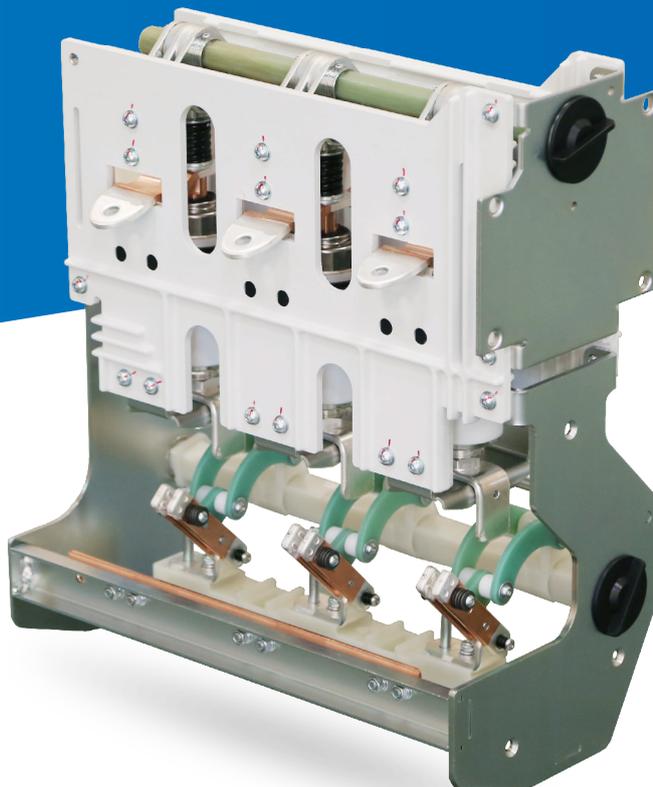
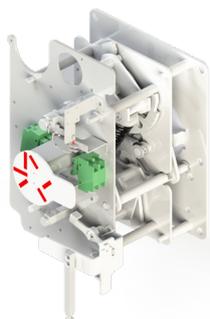


SPF SERIES SF6 RMU CIRCUIT BREAKER

⚡ 25kA



Product Introduction

SPFV-12D/T630-25 is a dedicated vacuum circuit breaker for 12kV SF6 gas-insulated switchgear, incorporating a three-position isolating and earthing switch. Featuring a fiber-type structure, it offers key advantages including reliable breaking performance, extended service life, maintenance-free operation, and enhanced safety. As a core component of gas-insulated switchgear, it possesses performance characteristics such as load current breaking capability, short-circuit current interrupting capacity, and closing functionality.

The SPFV-12D/T630-25 vacuum circuit breaker complies with GB/T11022-2020, GB1984 standards.

It satisfies the technical tender requirements for 12kV SF6 ring main units specified by China Southern Power Grid.

Product Features

-  Easy to install, less maintenance, compact and reliable.
-  VCB Dynamic thermal stability 63kA/25kA(4s); Disconnecter E2 class.
-  Mechanical endurance: VCB ≥ 10000 operating cycles, DS ≥ 3000 cycles
-  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) | kV | Across the isolating distance |
| | | Phase to Phase/ Phase to Earth |
| Rated peak impulse withstand voltage (1.2/50 μ S) | kV | Across the isolating distance |
| | | Phase to Phase/ Phase to Earth |
| Rated short-circuit making current | kA | 63 |
| Rated short-time withstand current (rms) | kA/S | 25(4s) |
| Rated peak withstand current | kA | 63 |
| Rated short-circuit breaking current | kA | 25 |
| Rated short-circuit breaking capacity | | \geq E2 Class |
| Maximum Permissible Partial Discharge Level 1.1Ur | pC | ≤ 5 |
| Circuit breaker Mechanical Endurance | Operating cycles | ≥ 10000 |
| DS, ES Mechanical Endurance | | ≥ 3000 |