

40.5kV Outdoor SF6 Circuit Breaker

This outdoor circuit breaker features a small ceramic column structure. It is equipped with a CT14 spring operation mechanism.



Overview

High-Performance Outdoor Circuit Protection

This 40.5kV outdoor SF6 circuit breaker features a robust small ceramic column structure designed for reliable operation in power transmission and distribution systems. Engineered for frequent operation, it utilizes an advanced air-compression arc-extinguishing structure to provide exceptional breaking capacity. With high-precision current transformers and superior sealing technology, this unit ensures long-term stability and minimal maintenance requirements for outdoor substation environments.

Technical Specifications

Breaking Capacity

40 kA

Breaking Capacity

12 cycles

Total Breaking Times

Rated Voltage	40.5 kV
Mechanism Service Life	3000 ops
Annual Leakage Rate	< 1%
Transformer Accuracy Class	0.2, 0.2S

Design & Construction

Key Features

- Outdoor small ceramic column structure
- CT14 spring operation mechanism
- Air-compression arc-extinguishing structure
- V-type sealing ring with spring pressure compensation
- Micro crystallizing alloy high magnetic materials

Sealing Performance

Imported Seal • Dynamic V-Type Ring • Spring Pressure Compensation