

7.2-12kV Four-Pole AC Vacuum Contactor

This AC vacuum contactor is composed of an electrical insulating frame, metal base, and electromagnetic systems. It also features a permanent magnet, power modules, auxiliary switches, and vacuum interrupters.



Product Overview

High-Voltage Switching Solution

The 7.2-12kV Four-Pole AC Vacuum Contactor is a robust switching device engineered for reliable performance in medium-voltage electrical systems. Utilizing vacuum interrupters for advanced arc extinction, this unit ensures a long service life with minimal maintenance requirements. It is specifically designed for demanding applications that involve frequent switching operations, such as motor starting, capacitor bank switching, and transformer switching.

Technical Specifications

Rated Voltage

7.2 kV

Minimum Rated Voltage

12 kV

Maximum Rated Voltage

Pole Configuration

4 poles

Operating Mechanism

Operational Process

- Electromagnetic coil activation drives armature
- Crutch rotation opens main contact in vacuum interrupter
- Auxiliary switch cuts power to electromagnetic coil
- Permanent-magnet maintenance engagement
- Energy storage module discharge for degaussing
- Opening spring facilitates main contact break

Applications

Typical Applications

Motor Starting, Capacitor Bank Switching, Transformer Switching

Key Features

Performance Advantages

Vacuum Arc Extinction • Long Service Life • Minimal Maintenance • Frequent Switching Capability • Enhanced Isolation