

ZiyaoPower VS1-12 Indoor Vacuum Circuit Breaker

Withdrawable Chassis Type, 12kV / 630-3150A / 20-40kA

1. Application

The **VS1-12** is an indoor withdrawable VCB for KYN28A-12 and XGN switchgear. Handcart (chassis) configuration with motor-charged spring mechanism.

2. Technical Ratings & Certifications

Rated Voltage	12 kV
Rated Current	630/1250/1600/2000/2500/3150 A
Short-Circuit Breaking	20/25/31.5/40 kA
Short-Time Withstand (4s)	20/25/31.5/40 kA
Peak Withstand	50/63/80/100 kA
Mechanical Life	30,000 (M2) operations
Breaking Life	30,000 (E2) operations
Open Time	<=45ms
Close Time	<=70ms
Standards	IEC 62271-100, GB 1984, DL/T 403

3. Key Features

- M2 (30,000) mechanical endurance: suitable for frequent switching
- E2 (30,000) electrical endurance at rated current
- C2 capacitive switching class: capacitor bank switching
- Motor-charged spring mechanism with anti-pumping relay
- Truck-chassis: service / test / disconnected positions
- Epoxy-resin poles with embedded vacuum bottles: zero maintenance
- Compatible with KYN28A-12, KYN61-40.5, XGN fixed switchgear

4. How to Order

VS1-12/[I]/[Isc]-[Pole Center] [WxDxH]

Example: VS1-12/1250A-31.5kA P210 650x800x610

5. Certifications

- IEC 62271-100: High-voltage AC circuit breakers
- GB 1984 / DL/T 403: Chinese national standards
- Type tested: dielectric, temperature rise, short-circuit, mechanical
- ISO 9001 | CCC (pending)

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This datasheet is for reference only. Specifications subject to change without notice.