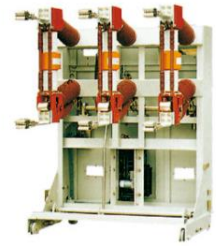


# Indoor Handcart Vacuum Circuit Breaker 40.5kV

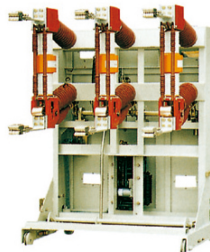
This indoor vacuum circuit breaker is designed for 40.5kV power distribution systems. Its handcart design allows for easy installation and maintenance.



## ADDITIONAL IMAGES



## Product Overview



Handcart-type vacuum circuit breaker designed for substation protection.

### High-Reliability Vacuum Circuit Breaker

The ZN23-40.5 indoor vacuum circuit breaker is a robust three-phase AC high-voltage solution designed for 40.5kV systems. Featuring a handcart-type structure, it ensures simple maintenance, safe operation, and easy integration into power distribution systems. This equipment is specifically optimized for high-frequency operation environments like metallurgy and electric arc steelmaking.

## Technical Specifications



High breaking capacity unit for industrial power distribution.

Rated Voltage	40.5 kV
Rated Frequency	50 Hz
Available Rated Currents	1250A, 1600A, 2000A

## Electrical Performance

### Key Electrical Metrics

**185 kV**

Lightning Impulse Withstand

**95 kV**

1-Min Power Frequency Withstand

**4 s**

Short Circuit Duration

## Operational Characteristics



Vacuum interrupter technology ensures long service life and reliable arc quenching.

### Timing Specifications

Metric	Value
Dropout Time	190ms
Close Time	50-85 ms
Short Circuit Close Time	80 kA

Rated Operating Sequence	O-0.3s-CO-180s-CO
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