

24KV Vacuum Circuit Breaker Embedded Poles

Embedded poles designed for 24KV vacuum circuit breakers. These poles provide insulation and support for the vacuum interrupter, ensuring reliable operation and long service life.



ADDITIONAL IMAGES



Product Overview

24KV Embedded Pole Solution

These embedded poles are precision-engineered for 24KV vacuum circuit breakers, providing essential insulation and mechanical support for vacuum interrupters. Constructed from high-quality epoxy resin using advanced vacuum casting technology, these units ensure superior dielectric strength and long-term durability. Designed for demanding medium-voltage power distribution systems, they enhance circuit breaker reliability and operational safety.

Electrical Ratings

Short-Circuit Performance

31.5 KA

Max Breaking Current

80 KA

Max Making Current (Peak)

Withstand Voltage Ratings

- Power-frequency (1min): 79KV
- Lighting impulse (peak): 145KV

Rated Voltage	24 KV
Rated Current	1250A, 1600A
Rated Frequency	50 Hz

Mechanical Requirements

Contact Specifications

Parameter	Value
Contact Stroke	13±1 mm
Connection Stroke	4±1 mm
Bounce Duration	d2ns
Contact Erosion Limit	3 mm

Operating Speeds

1.3 m/s Avg Opening Speed	0.6 m/s Avg Closing Speed
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Mechanical Life

10000 Operations

Durability and Standards

Durability Metrics

- Shelf Life: 20 Years
- Circuit Resistance: d20Ⓢ
- Partial Discharge: d5pc