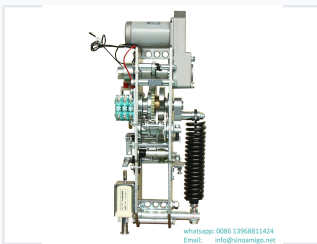


MV Circuit Breaker Operating Mechanism

This operating mechanism is designed for medium voltage circuit breakers in ring main units (RMU). It utilizes a CTB spring-type mechanism to ensure reliable and efficient operation.



ADDITIONAL IMAGES



Overview

High-Performance Spring Operating Mechanism

The CTB spring operating mechanism is engineered for reliable use in medium voltage vacuum circuit breakers, including the ZW32-12 outdoor models and equivalent systems. Designed to meet the rigorous requirements of IEC62271-100 standards, this mechanism ensures consistent and safe switching operations. It is available in both manual (CTB-S) and motor-driven (CTB-D) configurations to suit diverse operational needs in electrical distribution environments.

Mechanical Performance

Operating Functions

- Manual energy storage
- Motor energy storage
- Manual closing/opening
- Electromagnet closing/opening
- Overcurrent protection

Compliance Standards	IEC62271-100
Mechanism Output Angle	40 degree
Manual Operating Force	100 N.m

Electrical Specifications

Electromagnet Operating Range

Operation	Operating Range (% of Rated)	Non-Operating Range
Open	65% - 120%	< 30%
Close	85% - 110%	< 30%

Electromagnet Technical Specs

24 V

Rated Voltage

1.8 Ω

Coil Resistance at 20°C

Energy Storage Motor

Unidirectional permanent DC motor