



CSV

Vertical Interrupter
Circuit Switcher

Powered by **MEPPI**
245 kV

Vertical “Candlestick” Design Now Available With MEPPI Mechanism

The 245kV CSV vertical interrupter circuit switcher is the latest design innovation from Southern States, now featuring a MEPPI (Mitsubishi Electric Power Products, Inc.) BM-2 mechanism, primary fault interrupting capability up to 40 kA, as well as weather hardening improvements. Its narrow profile makes it ideal for switching and protection of transformers and transmission lines where space and assembly time are a premium.

Meets IEEE Standards:
IEEE C37.016-2018
IEEE 693-2018 (*High Seismic*)

FEATURES

- MEPPI BM-2 mechanism
- Zero maintenance spring/spring motor charged system
- Local and remote gas monitoring system
- SF₆ puffer interrupter
- Gas sealing system designed to minimize potential leak points
- Robust contact structure designed for current switching operations
- Composite insulators requiring minimum maintenance and improves safety

SPECIFICATIONS

Maximum Voltage Rating

245 kV

Continuous Current Rating

1600 A

Primary Fault Interrupting Rating

40 kA

Transformer Limited Fault Rating

4.2 kA

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RATINGS

Maximum Voltage Rating	245 kV
Interrupter/BIL	900 kV
Frequency	60 Hz
Continuous Current	1600 A*
Short-Time Withstand Current & Short Circuit Making Current	63 kA, 1 sec
Primary Fault Interrupting	40 kA
Transformer Limited Fault	4.2 kA
Interrupting Time	3 cycles
Duty Cycle	O - 0.3 sec - CO - 15 sec - CO
Creepage Distance	6530 mm / 257.1 in
IEC Pollution Class	IEEE Heavy
Ambient Temperature Range	-35° C to +50° C

*For applications above +40°C, continuous current rating shall be 1200A

KEY ADVANTAGES

- Designed, assembled, and tested in the United States
- Makes and breaks circuit in SF₆
- Ships with minimal gas pressure for safety during transportation and for handling during installation
- Local visual indication of gas pressure provided by color coded temperature compensated gas gauge
- Each interrupter has its own gauge, minimizing gas plumbing and potential leak paths
- NEMA 4X control cabinet available
- Straight forward mechanical design insures maintenance free 5,000 operations with 30-year product life expectancy
- Southern States 5-year warranty promises trouble free operation
- 48VDC / 125VDC / 250VDC control voltages available
- Integral disconnect options available

Applications

- Transformer Switching / Protection
- Transmission Line Switching / Protection