



RLSwitcher[®]

Reactor Switching Device
Powered by **MEPPI**
245 kV

Reactor Switching Device Now Available with MEPPI Mechanism

The 245kV **RLSwitcher**[®], a shunt reactor switching device, is the latest design innovation from Southern States, now featuring a MEPPI (Mitsubishi Electric Power Products, Inc.) BM-2 mechanism, primary fault interrupting rating up to 8 kA, as well as weather hardening improvements. The low magnitude current the switching device is asked to clear, along with the high magnitude and extremely fast transient recovery voltage, establish an environment that can lead to damaging interrupter reignitions. The **RLSwitcher**[®] deliberately delays current interruption so that when it does occur, the likelihood and magnitude of a reignition is minimized.

FEATURES

- MEPPI BM-2 mechanism
- SF6 puffer design interrupter designed for many low current switching operations
- Low maintenance, spring/spring motor charged system
- Local and remote gas monitoring system
- Compact design can fit in tight spaces
- Reduced maintenance costs when compared to traditional electronically controlled switching designs (ie. Synchronous or zero voltage controlled operation)

Meets IEEE Standards:

IEEE C37.016-2018
IEEE 693-2018 (High Seismic)

SPECIFICATIONS

Maximum Voltage Rating
245 kV

Continuous Current Rating
600 A

Primary Fault Interrupting Rating
8 kA

Short-Time Withstand Rating
63 kA, 1 sec

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RATINGS

Maximum Voltage Rating (kV)	245 kV
Lightning Impulse Withstand Voltage (BIL)	900 kV
Continuous Current	600 A
Frequency	50/60 Hz
Short Time Withstand Current	63 kA, 1 sec
Closing & Latching Current	63 kA rms, 164 kA peak
Primary Fault Interrupting Current	8 kA
Reactor Switching Current	600 A
Interrupting Time	3 cycles
Duty Cycle	CO - 15 sec - CO
Ambient Temperature Rating	-40°C to +50°C standard

* Air core reactors may require additional capacitance. Contact the factory for application specific solutions.

KEY ADVANTAGES

- Extremely low probability of re-ignitions
- Makes and breaks circuit in SF₆
- 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 reduces maintenance concerns
- Southern States 5-year warranty promises trouble free operation
- 48VDC / 125VDC / 250VDC control voltages available

Applications

- Shunt Reactor Switching / Protection