



RLSwitcher™

1600 A Reactor Switcher

MAXIMUM VOLTAGE RATING

38 kV

REACTOR SWITCHING CURRENT RATING

1600 Amperes

FAULT INTERRUPTING RATING

25 kA

MAKES AND BREAKS CIRCUIT IN SF₆ GAS

FEW HIGH MAGNITUDE REIGNITIONS

REDUCED TURN-TO-TURN STRESS ON REACTOR

INCREASED REACTOR AND SWITCHER LIFE



Finally, The Right Solution For Switching Shunt Reactors

Southern States' latest innovation for the electric utility industry is the all new *RLSwitcher* reactor switching device, the only designed-specific-for-the function reactor switching device available in the marketplace. Switching reactors is one of the most difficult switching duties encountered. Since reactors are normally disconnected at times of heavy load, the switching will often cause high magnitude reignitions as the switching device tries to force the reactor current to current zero before the zero crossing. This has led to shortened life and failures of both the reactor and the switching device. The *RLSwitcher*, with its unique contact and nozzle design, will reduce the probability of high magnitude reignitions, resulting in extended life for both the reactor and the switching device.



The Quality Name In High Voltage Switching

RLSwitcher™

1600 A Reactor Switcher

Key Advantages:

- Very low probability of reignitions
- Reignitions, if they occur, are of low intensity
- Extended reactor life
- Makes and breaks the circuit in SF₆ gas rather than in air
- Ships fully assembled as shown in the below right photo for simple, easy installation
- Compact size consumes minimum substation space
- Single mechanism spring operator provides reliable long-life performance
- Local visual indication of gas system provided by an SF₆ pressure gauge
- Gas density switch with low pressure alarm and low pressure lockout contacts for remote status monitoring
- Economical solution to replace expensive and maintenance-prone circuit breakers and circuit switchers used for reactor switching applications.
- Southern States 5-year warranty promises trouble-free operation

| Maximum Reactor Size by System Voltage | | |
|--|----------------------------------|----------|
| Maximum Voltage | Reactor Switching Current Rating | MVAR |
| 38 kV | 1600 A | 105 MVAR |

| Ratings | |
|---------------------------|------------------|
| Maximum Voltage | 38 kV |
| BIL | 200 kV |
| Continuous Current | 1600 A |
| Fault Interrupting Rating | 25 kA |
| Fault Close Rating | 25 kA |
| Ambient Temperature Range | -40° C to +50° C |



The Quality Name In High Voltage Switching

Note: For dimensional information on the **RLSwitcher** please contact Southern States.

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