



CSV

Vertical Interrupter
Circuit Switcher
48.3 kV – 170 kV

The most complete line of Vertical “Candlestick” Circuit Switchers available in the market.

The Southern States 3 cycle CSV circuit switchers, for voltages thru 170 kV, are the most complete line of circuit switchers available in the market. Ratings are available thru 170 kV with interrupting ratings of up to 50 kA and continuous current ratings of up to 4000 A. In addition to the most complete range of ratings, this device can be mounted at various heights and phase spacings as well as be configured to mount on existing foundations.

FEATURES

- 3 cycle interrupting speed minimizes system disturbances
- Available with 50 kA interrupting rating
- Single spring-spring mechanism provides long life performance.
- Local and remote gas monitoring system
- Adaptable design can be configured to meet users mounting requirements
- A variety of optional features are available including Bypass switches, closing resistors, etc

SPECIFICATIONS

Maximum Voltage Ratings

48.3 kV – 170 kV

Continuous Current Ratings

1200 A, 1600 A, 2000 A, 3000 A, and 4000 A

Primary Fault Interrupting Ratings

25 kA, 31.5 kA, and 40 kA

Secondary Thru-Fault Interrupting Ratings

4 kA

Fault Close Rating

up to 50 kA

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RATINGS

Maximum Voltage Rating (kV)	48.3	72.5	123	145	170
Interrupter/Blade BIL (kV)	250	350	550	650	750
Continuous Current	1200 A, 1600 A, 2000 A, 3000 A, 4000 A*				
Primary Fault Interrupting	25 kA, 31.5 kA, 40 kA				
Secondary Thru-Fault Interrupting	4 kA				
Interrupting Time	3 cycles				
Power Frequency	60 Hz				
Short-Time Withstand	50 kA (3 sec)				
Peak Withstand	130 kA				
Short-Circuit Making	50 kA				
Insulator Design	Porcelain				
Ambient Temperature Range	-40° C to +50° C standard (-50° C to +50° C optional)				

* Consult factory for 4000A ratings

KEY ADVANTAGES

- 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 gas gauge
- Common gas system with gas density switch with low pressure alarm and low pressure lockout for remote status monitoring
- Adaptable to a wide variety of phase spacings, column spacings, and anchor bolt patterns
- Adaptable to a wide variety of installation heights
- Straight forward mechanical design insures long life, repeatable operation.

Rated Duty Cycle:

O – 0.3 sec – CO – 15 sec –CO

Application

- Transformer Protection