



CSV

Vertical Interrupter
Circuit Switcher
38 kV – 72.5 kV

Powerful performance in a compact package that minimizes installation time.

The Southern States CSV circuit switchers, for voltages thru 72.5 kV, provide an ideal blend of performance and simplification providing three phase transformer protection while simplifying installation. These circuit switchers have been factory tested and are shipped fully assembled, ready for field installation.

FEATURES

- Maximum 5 cycle interrupting speed minimizes system disturbances
- Ships fully assembled for easy installation
- Single spring mechanism provides long life performance
- Local and remote gas monitoring system
- Compact design can fit in tight spaces

SPECIFICATIONS

Maximum Voltage Ratings

38 kV – 72.5 kV

Continuous Current Ratings

1200 A – 2500 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 40 kA

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RATINGS

Maximum Voltage Rating (kV)	27	38	38	48.3	72.5	38	48.3	72.5
BIL (kV)	150	200	200	250	350	200	250	350
Continuous Current	1200 A & 1600 A		1200 A			1200 A, 1600 A, 2000 A, 2500 A		
Primary Fault Interrupting	25 kA		25 kA (31 kA*)			40 kA		
Secondary Thru-Fault Interrupting	4 kA		4 kA			4 kA		
Interrupting Time	3 cycles		5 cycles			3 cycles		
Power Frequency	50/60 Hz		60 Hz			60 Hz		
Short-Time Withstand	25 kA (3 sec)		40 kA (3 sec)			40 kA (3 sec)		
Peak Withstand	62.5 kA		104 kA			104 kA		
Short-Circuit Making	25 kA		40 kA			40 kA		
Insulator Design	Porcelain		Composite			Porcelain		
Ambient Temperature Range	-40°C to +50°C		-40°C to +50°C standard (-50°C to +50°C optional)**			-30°C to +50°C		

* Product can be rated for 31.5 kA interrupting (3 operations)

** -50° C rating is 18 kA (SF₆ / N₂)

KEY ADVANTAGES

- Makes and breaks circuit in SF₆
- Ships fully assembled to minimize installation time
- Local visual indication of gas pressure provided by color coded temperature compensated gas gauge
- Common gas system with gas density switch with low pressure alarm and low pressure lockout for remote status monitoring
- Compact design and easy installation makes this an ideal switcher for replacement of power fuses to achieve 3 phase protection
- Straight forward mechanical design insures long life, repeatable operation

Rated Duty Cycle

O – 0.3 sec – CO – 15 sec – CO

Application

- Transformer Protection