

# CSH & CSH-B

## Horizontal Interrupter Circuit Switchers

- 38 kV – 242 kV
- 1200 A, 1600 A, and 2000 A Continuous Current
- 20 kA Primary Fault Current Interrupting
- 5 or 6 Cycle Interrupting Speed
- 10 Time 40 kA Fault Closing
- Makes and Breaks Circuit in SF<sub>6</sub> Gas



### The Most Versatile Horizontal Interrupter Circuit Switchers Available In The Marketplace Today

Southern States CSH and CSH-B circuit switchers provide economical, versatile, space saving solutions for fault protection and switching applications, including:

- Power Transformer Switching and Protection
- Line or Cable Switching and Protection
- Capacitor Switching (Non-Transient Mitigating) and Protection
- Reactor Switching and Protection
- Series Capacitor Bypassing



The Quality Name In High Voltage Switching

# CSH & CSH-B Horizontal Interrupter Circuit Switchers

## Key Advantages

- Makes and breaks the circuit in SF<sub>6</sub> gas
- 5 or 6 cycle interrupting speed minimizes system disturbance
- Puffer interrupters provide long contact life and multi-time fault closing capability
- Single gap interrupters provide full BIL without the need for an integral disconnect switch or voltage grading resistors/capacitors
- Simple, easy erection minimizes field installation time required
- Ships with minimal gas pressure for safety during transportation and in handling during installation
- Adaptable to a wide variety of mounting positions, structure heights, and phase spacings
- Ideally suited to upgrade the fault interrupting capability of existing horizontal interrupter circuit switcher installations, reusing the existing circuit switcher's structure and foundations
- The only available 20 kA interrupting capability, 5 or 6 cycle interrupting time, makes-the-circuit-in-the-interrupter circuit switcher available for mobile trailer mounting



## Ratings

Maximum kV Rating	38	48.3	72.5	121	145	169	242
Interrupter/Blade BIL (kV)	350/200	350/250	350	550	650	750	900
Continuous Current	1200 A, 1600 A, 2000 A for all kV ratings						
Primary Fault Current Interrupting	20 kA for all kV ratings						
Interrupting Time	5 cycles for 38 kV through 169 kV						6 cycles
Number of Full Fault Operations	30 for all kV ratings						
Fault Closing Rating	10 time 40 kA, 15 time 31.5 kA, 30 time 20 kA for all kV ratings						
Ambient Temperature Range	-40° C to +50° C standard for 38 kV through 169 kV -30° C to +50° C standard for 242 kV -40° C to +50° C optional for 242 kV -50° C to +50° C optional for all kV ratings (including 242 kV)						



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Note: for dimensional information on the CSH and/or on the CSH-B please contact Southern States for drawing(s) of the rating(s) of interest.

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