



CapSwitcher[®]

High Voltage Capacitor Switching Device

MAXIMUM VOLTAGE RATINGS

38 kV to 170 kV

CONTINUOUS AND CAPACITIVE CURRENT RATINGS

600 A (38 kV to 72.5 kV)

650 A (123 kV to 170 kV)

PRIMARY FAULT INTERRUPTING RATINGS

25 kA (38 kV to 72.5 kV)

40 kA (123 kV to 170 kV)

INTERRUPTING SPEEDS

5 Cycle (38 kV to 72.5 kV)

3 Cycle (123 kV to 170 kV)

FAULT CLOSE RATINGS

10 Time 40 kA (38 kV to 72.5 kV)

2 Time 63 kA, 10 Time 40 kA (123 kV to 170 kV)

CLOSING RESISTORS FOR TRANSIENT SUPPRESSION

AVAILABLE WITH CMD[™] THREE-PHASE NON-CONTACT CURRENT TRANSFORMER

DESIGNED AND TESTED FOR RESTRIKE-FREE PERFORMANCE

MAINTENANCE-FREE 10,000 OPERATIONS



A Revolutionary Solution for a Changing Industry

In today's world of sensitive electronic devices, the need for quality power has never been greater. Southern States *CapSwitcher*[®] high voltage capacitor switching device has been specifically developed to meet this need. This reliable, long-life, special purpose SF₆ capacitor switch is available for application on:

- Single Bank
- Back-to-Back Banks
- Grounded or Ungrounded Banks



The Quality Name In High Voltage Switching

CapSwitcher®

High Voltage Capacitor Switching Device



Maximum Voltage	38 kV	48.3 kV	72.5 kV	123 kV	145 kV	170 kV
BIL	200 kV	250 kV	350 kV	550 kV	650 kV	750 kV
Continuous Current	600 A			650 A		
Capacitive Switching Current	600 A			650 A		
Closing Resistor Value	6 Ω, 10 Ω, 12 Ω, 20 Ω, 30 Ω, 40 Ω, 80 Ω, or 90 Ω			37.5 Ω, 75 Ω, 150 Ω, or 300 Ω		
Primary Fault Interrupting Current	25 kA			40 kA		
Interrupting Time	5 cycles			3 cycles		
Number of Full Fault Operations	30			10 at 40 kA, 15 at 31.5 kA, 30 at 20 kA		
Fault Closing Rating	10 time 40 kA, 15 time 31.5 kA, 30 time 20 kA			2 time 63 kA, 10 time 40 kA, 15 time 31.5 kA, 30 time 20 kA		
Endurance Life	10,000 operations					
Ambient Temperature Range	-40° C to +50° C standard (-50° C to +50° C optional)					

Key Advantages

- Circuit making occurs in SF₆ gas rather than in air
- Closing resistors provide reliable and consistently repeatable transient suppression
- Simple, easy erection minimizes field installation time
- Single mechanism spring operator provides reliable long-life performance
- Puffer interrupters provide long contact life and multi-time fault close capability
- Common gas system with pressure gauge, density switch, low pressure alarm and trip on low pressure contacts provides both local visual and remote status indication
- Southern States 5-year warranty promises trouble-free operation
- Available with *CMD*TM three-phase non-contact current transformer (See catalog flyer CF1501 for details and top right photo above.)



The Quality Name In High Voltage Switching

Note: For dimensional information on the *CapSwitcher*[®] please contact Southern States for drawing(s) of the rating(s) of interest

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