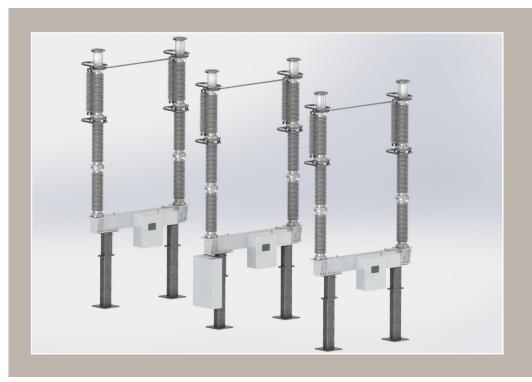


### CATALOG FLYER



## **CapSwitcher**®

Capacitor Switching Device 245 kV / 362 kV

# Purpose specific device provides reliable, long-life performance.

The need for quality power has never been greater. This has led to an increase in the use of capacitor banks to improve power factor. The Southern States *CapSwitcher®* high voltage capacitor switching device has been specifically developed to provide restrike free switching of capacitor banks. This reliable, long-life, special purpose SF<sub>6</sub> capacitor switch utilizes closing resistors for mitigating voltage transients and current inrush.

#### **FEATURES**

- Closing resistors minimize voltage and current transients
- · Simple, cost effective, mechanical design that provides repeatability
- Long Life (10,000 operations)
- Eliminates need for inrush reactors
- Class C2 per IEEE and IEC Standards "very low probability of restrike"

#### SPECIFICATIONS

Maximum Voltage Ratings 245 kV / 362 kV

**Capacitive Current Switch Rating** 810 A

**Primary Interrupting Ratings**No fault interrupting rating

Short Time Withstand Ratings 40 kA RMS Sym (1 sec) 63 kA RMS Sym (18 cycles)

#### **Application**

Single Bank or Back-to-Back Grounded





RATINGS	
245kV / 362 kV	
555 kV	
1300 kV	
1680 kV	
50/60 Hz	
810 A	
40 kA RMS 1 sec (63 kA 18 cy)	
40 kA rms - 104 kA peak	
3 cycles	
0 - CO	
CAPACITOR SWITCHING RATINGS	
810 A	
810 A	
20 kA at 4600 Hz	
Matched bank for optimum performance *	
Standard -30° C to +50° C	
96 psig NOM / 76 psig MIN	

#### \* See Application Guide \*

Above service ratings are for the following service conditions:

- The maximum altitude is (3280 ft) 1000 m
- The maximum wind velocity should not exceed 90mph (40 m/s)
- The seismic performance is Low Performance Level as defined in IEEE 693

Higher service conditions are available and will be stated in other documents associated with the specific switcher purchase.

- Makes and breaks circuit in SF<sub>6</sub>
- · Designed and tested for restrike-free performance
- Closing resistors provide reliable and consistently repeatable transient suppression
- Multiple resistor sizes allow performance
  Straight forward mechanical design optimization
- · Closing resistor eliminates need for inrush reactors
- · Common gas system with pressure gauge, density switch, low pressure alarm and trip on low gas pressure contacts provides both local visual and remote status indication
- · Simple, easy erection minimizes field installation time
- insures long life, repeatable operation
- · Independent pole operation with master control enclosure

