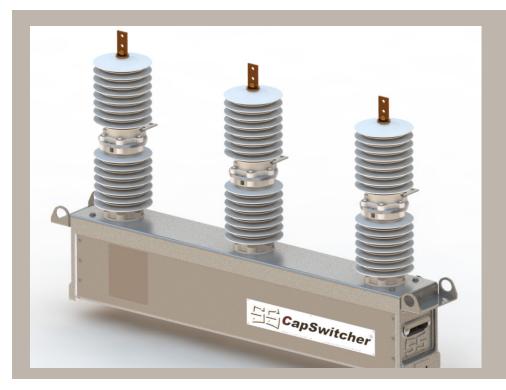


#### CATALOG FLYER



## **CapSwitcher®**

Capacitor
Switching Device
27 kV
Type 27M

# 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
- C2 Rating with No Restrikes
- E2 Electrical Endurance Rating
- M2 (10,000 CO operations) Mechanical Endurance Rating
- · Eliminates need for inrush reactors
- Simple, cost effective, mechanical design that provides repeatability
- · Gas pressure sensing on each phase with lockout on low gas
- Integral Capacitor Bank Controller with DNP3 communication

#### SPECIFICATIONS

Maximum Voltage Ratings 27 kV

Capacitive Current Switch Rating 400 A

**Short Time Withstand Ratings** 25 kA RMS Sym (1 sec)

Peak capacitive Inrush Current 25 kA @ 4400 Hz

#### **Application**

Single Bank or Back-to-Back Grounded or Ungrounded



RATINGS		
Maximum Voltage Rating (kV)	27*	
BIL (kV)	150	
Rated Power Frequency (Hz)	50/60	
Continuous Current (A)	400	
Capacitive Switching Current (A)	400	
Short-Time Symmetrical Withstand (kA/sec)	25/1	
Peak Withstand (kA)	69	
Short Circuit Making (kA)	25	
Endurance Life (CO operating)	10,000 (M2)	
Ambient Temperature Rating	-35° C to +50° C (standard)	

<sup>\*</sup> Can be safely applied to 29.2 kV

Capswitcher
-------------

	Capacitor Switching Ratings (IEEE C37.09a-2005)			
15.5	27			
400 A				
25 kA peak at 4400 Hz				
Matched to bank size for optimum performance*				
_	25 kA pe			

<sup>\*</sup> See Application Guide Document

# CSC-211 CSC-211 CSC-211 CapSwitcher\* Controller Southern States, LLC

CapSwitcher Controller CSC-211 with DNP3 communication (standard on most models).

### KEY ADVANTAGES

- 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 optimization
- · Closing resistor eliminates need for inrush reactors
- Sensor on each interrupter provides auto-trip or lockout on low gas pressure
- Separate control cabinet provides ground level access to control components
- Optional Capacitor Bank Control (VAR, Voltage, Current, TOD, Temp, SCADA)
- · Designed to mount on new or existing capacitor bank racks
- Straight forward mechanical design insures long life, repeatable operation
- · Ships assembled and pressurized minimizing installation and setup

#### Rated Duty Cycle:

• 15 sec - CO - 5 minute time delay (adjustable) 30 Georgia Avenue Hampton, GA 30228 P 770-946-4562 F 770-946-8106

sales@southernstatesLLC.com www.southernstatesLLC.com