



Southern States

The Relentless Pursuit of Innovation.

FROM THE DESK OF ROBERT BOOTH:

"Southern States is excited to pursue a new market opportunity with Vacuum Electric Switch Company. We believe with our industry relationships and presence, we can help to leverage the quality product and service capabilities of Vacuum Electric Switch."

Robert
Manager, VSPD

UPCOMING EVENTS:

DISTRIBUTECH

Jan 28-30th, 2020
San Antonio, TX
Booth: #3927

DOBLE

March 8-13th, 2020
Boston, MA
Booth: TBD

IEEE

April 20-23rd, 2020
Chicago, IL
Booth: #TBD

News

SOUTHERN STATES NOW OFFERS VACUUM INTERRUPTER SWITCHES & REPLACEMENT PARTS TARGETED TO JOSLYN HI-VOLTAGE INSTALLED BASE

Southern States is pleased to announce our partnership with Vacuum Electric Switch Company, providing users a better alternative for maintaining or enhancing their Joslyn Hi-Voltage equipment installed base. Vacuum Electric Switch has been manufacturing and continuously improving vacuum switch designs for more than 20 years, with a focus on upgrading and replacing Joslyn Hi-Voltage switches. Their vacuum switch range is from 15kV - 242kV, 600-3000A. This interchangeability offers existing Joslyn customers the ability to upgrade or drop in a new VES product without having to make any changes to their existing structure.

Southern States continues to recommend the best in class **CapSwitcher®** and **RLSwitcher®** but recognizes that there are applications where vacuum may be the preferred customer choice. The addition of the Vacuum Electric Switch Company product positions Southern States as a leading solution provider for application specific solutions.

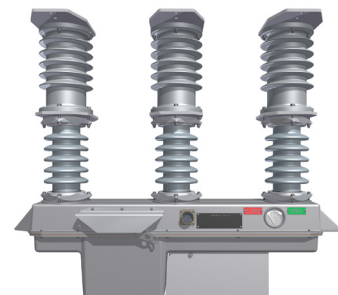
Southern States, as part of this partnership, will take the lead in the sales and marketing of VES products into the Utility market. **The switches offered are designed, manufactured and exclusively warranted by Vacuum Electric Switch Company.**



Vacuum Electric
Switch Company

VES Vacuum Switching Devices

- Vacuum interrupters
- Solid, dielectric insulation
- Solenoid or motor operated mechanisms
- Mechanical operating life up to 200,000 (close-open) operations
- Synchronous (ZVC) closing control
- Resistor insertion
- Current limiting reactors for back-to-back inrush limiting
- Spare parts & tool kits for both VES & Joslyn switches



THE POWER OF IDEAS

Ratings

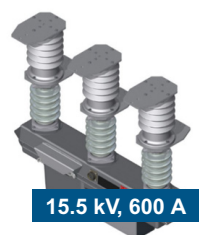
15.5 kV - 72.5 kV						
Max Voltage (kV)	15.5	27	38		48.3	72.5
Continuous Current (<i>RMS Amps</i>)*	600		300	600	300	
Fault Interrupting Current (<i>RMS kA</i>)	4	3		4	3	
Momentary Current (<i>RMS Amps, Asymmetric</i>)	20	15		20	15	
Frequency (Hz)	50/60					
Two-Second Current (<i>RMS kA</i>)	12.5					
Four-Second Current (<i>RMS kA</i>)	9					
Maximum Peak Making Current (<i>RMS kA</i>)	20	15		20	15	
Maximum Peak Back-to-Back Inrush Current (<i>kA</i>)	6					
Impulse Withstand Terminal-to-Terminal (<i>RMS kA</i>)	110	200			250	280
Line-to-Ground 1.2 X 50 Positive Wave (<i>kV BIL</i>)	150		200		250	350
Maximum 60 Cycle Withstand Line-to-Ground:						
One Minute Dry (<i>kV</i>)	101		138		178	245
10 Second Wet (<i>kV</i>)	74		119		176	198

72.5 - 242 kV					
Max Voltage (kV)	72.5	121	145	169	242
BIL kV (T:T - T:G)	400 - 350	550 - 550	650 - 750	750-750	950 - 900
Current Rating (Amps)*	600				
Operating Mechanism	Solenoid				
Control Voltage	120 Vac				
Fault Interrupting Current (RMS Amps)	4,000				
Momentary Current (RMS Amps Asymmetric)	40,000				
Two Second Current (RMS Amps)	12,500				
Four Second Current (RMS Amps)	9,000				
Maximum 60-cycle Withstand Line-to-Ground					
One Minute Dry (kV)	175	293	350	365	425
Two Seconds Wet (kV)	175	281	350	315	380
Maximum Peak In-Rush Current (RMS Amps)	10,000				

*Consult factory for 1000A and higher ratings

**Ratings shown were provided by Vacuum Electric Switch Company

Product Overview



15.5 kV, 600 A



38 kV, 600 A



27 kV, 300 A



48.3 kV, 300 A



242 kV, 600 A



38 kV, 300 A



72.5 kV, 300 A



34 kV, 3000 A

Controls, Accessories, & After-Sale Support

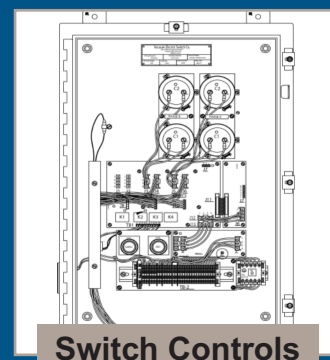
- Switch accessories including 80 Ohm resistor module, 30 micro-henry reactor, as well as Joslyn and VES cables
- Service tool / part kits
- Cap bank switch & electric furnace controls



Resistor Module



Vacuum Tool Kit



Switch Controls