



EC-1V

Aluminum Center
Break Vee Switch

The EC-1V product family expands to higher continuous current ratings.

Southern States EC-1V family of aluminum center break Vee switch ratings have now been expanded to include 3000 A continuous current at all of its kV ratings and 4000 A continuous current at 123 kV through 245 kV. The expanded EC-1V ratings, like all EC-1V switches, are available for all break switch applications.

BENEFITS

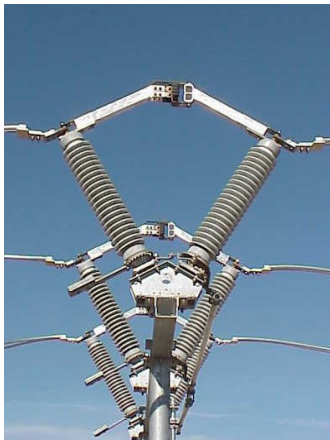
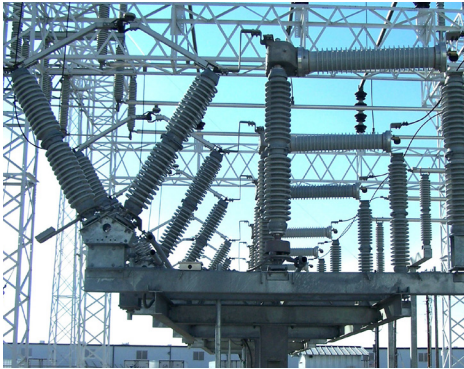
- Meets all ANSI standards
- Maintenance free bearings
- Suitable for horizontal upright, vertical, or underhung mounting
- Easy and fast installation and adjustment

SPECIFICATIONS

- Maximum Voltage Rating**
72.5 kV – 362 kV
- Continuous Current Rating**
1200 A – 5000 A

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RATINGS

Maximum Voltage Rating (kV)	72.5	123	145	170	245	362
BIL (kV)	350	550	650	750	900	
Rated Power Frequency	60 Hz					
Continuous Current	1200 A	2000 A - 3000 A		3000 A - 5000 A		
Short-Time Symmetrical Withstand (3 Sec)	38 kA RMS	63 kA RMS		80 kA RMS		
Peak Withstand	99 kA	164 kA		208 kA		
Ambient Temperature Rating	-40°C to +50° Standard -50°C Optional					

KEY FEATURES

- Aluminum live part construction
- Square blade construction for maximum rigidity and current carrying surface area
- 4 hole or 6 hole NEMA tin plated copper terminal pads
- It can be operated with either a manual (swing handle or worm gear) or Southern States type VM-1 motor operator
- Can be furnished with a wide variety of accessories
- Available as the integral isolation component of Southern States CSV-CB Circuit Switcher

Additional Applications

- Line disconnecting
- Line sectionalizing
- Isolation of other substation equipments (circuit breakers, circuit switchers, power transformers, etc)
- Bypassing other substation equipment
- Bus tie positions
- Line dropping/bus dropping/cable dropping/magnetizing current interrupting (when furnished with appropriate arcing horns)