



EC-1V

Aluminum Center Break Vee Switch

Center Break Vee Switch Designs for Higher kV & 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

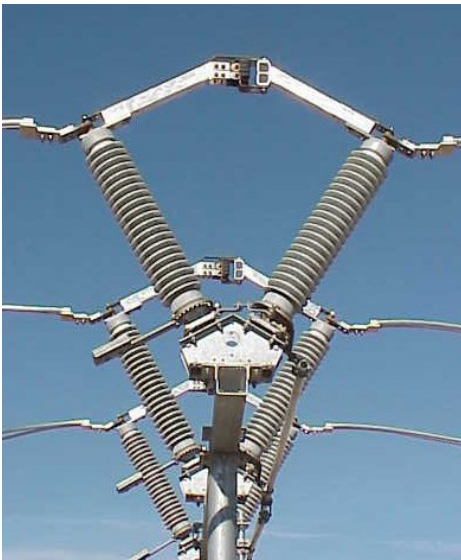
72.5 kV – 362 kV

Continuous Current Rating

1200 A – 5000 A

EC-1V

Aluminum Center
Break Vee Switch



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		

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)