



# EV

## Aluminum Vertical Break Switch

### The Choice of Utilities for Over 40 years.

Since its market introduction back in mid-1960s right up to the present day, Southern States EV vertical break switch has been and continues to be a workhorse on utility systems. The EV is available for all air break switch applications.

#### BENEFITS

- Meets all ANSI standards
- Comes fully adjusted and ready to be mounted on the structure
- Suitable for horizontal upright, vertical, or underhung mounting
- Operated with manual operator or a Southern States type VM-1 motor operator

#### SPECIFICATIONS

**Maximum Voltage Rating**

15.5 kV – 170 kV

**Continuous Current Rating**

1200 A

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## Aluminum Vertical Break Switch



### RATINGS

Maximum Voltage Rating (kV)							
15.5	27	38	48.3	72.5	123	145	170
BIL (kV)							
110	150	200	250	350	550	650	750

### ADDITIONAL RATINGS

Rated Power Frequency	60 Hz	
Continuous Current	1200 A	
Short-Time Symmetrical Withstand (3 Sec)	25 kA RMS	38 kA RMS
Peak Withstand	65 kA	99 kA

### KEY FEATURES

- Aluminum live part construction
- Hinge current transfer via reverse loop contact fingers with silver-to-silver current transfer surfaces
- Reverse loop jaw contact fingers with silver-to-silver current transfer surfaces
- 2 hole or 4 hole NEMA unplated cast aluminum terminal pads
- Maintenance free bearings
- Single channel or double channel base designs
- Slant jaw end insulator version also available
- Can be furnished with a wide variety of accessories

### 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
- Magnetizing current interrupting (when furnished with appropriate arcing horns)
- Load breaking/loop splitting/line dropping/bus dropping/cable dropping (when furnished with appropriate arcing horns or interrupters)