



EV

Aluminum Vertical Break Switch

The EV - 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
- It operates with either a manual operator or a Southern States type VM-1 motor operator

SPECIFICATIONS

Maximum Voltage Rating

15.5 kV – 170 kV

Continuous Current Rating

600 A – 1200 A

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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	600 A	1200 A
Short-Time Symmetrical Withstand (3 Sec)	25 kA RMS	38 kA RMS
Peak Withstand	65 kA	99 kA
Ambient Temperature Rating	-40°C to +50° Standard -50°C Optional	

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)