



## EV-2

Aluminum Vertical  
Disconnect Switch

### Highly Versatile, Robust Design That Promotes Maximum Reliability

The Southern States EV-2 aluminum vertical break disconnect switch can be used for any conventional air break switch application, including disconnecting and sectionalizing lines and isolating or bypassing equipment. Installation is simple, consisting principally of aligning the insulators, using easy-to-adjust jack screws, and installing the operating pipes which are delivered to the job site pre-cut to proper lengths. Generally applied as a three-phase solution, the switch can be mounted upright, vertically, or underhung.

#### BENEFITS

- Meets all ANSI standards
- Easily accommodates full load break devices and other accessories
- Good for over 2000 operations
- Easy and fast installation and adjustment
- Maintenance free, long lasting and low operating effort
- Higher terminal pad loading allowing for long bus length
- Shipped assembled on insulators or with pre-assembled live parts bolted to the switch base for simplified receipt and installation

#### SPECIFICATIONS

**Maximum Voltage Rating**

15.5 kV – 362 kV

**Continuous Current Rating**

1200 A – 3000 A

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## RATINGS

Maximum Voltage Rating (kV)									
15.5	27	38	48.3	72.5	123	145	170	245	362 kV*
BIL (kV)									
110	150	200	250	350	550	650	750	900/1050	1050/1300

## ADDITIONAL RATINGS

Rated Power Frequency	60 Hz
Continuous Current	1200 A - 3000 A
Short-Time Symmetrical Withstand (3 Sec)	63 kA RMS
Peak Withstand	164 kA

\*362 kV designs only available from 1200 A to 2000A

## KEY FEATURES

- Silver to silver jaw end contacts using two different silver alloys
- Spring loaded threaded hinge end current interchange
- Terminal pads aluminum extrusion construction makes it very strong and rigid without use of castings for support
- Three-sided terminal pads allow multiple conductor terminations
- Stainless steel roller bearings in an aluminum housing
- Standard, custom or multiple mounting arrangements available
- Double channel construction above 69 kV; single channel construction below 115 kV
- Marine grade bushings