The EV-1 - extremely stable and reliable choice for your application.

The EV-1 vertical break switch is a heavy duty disconnect switch specifically designed to carry the mechanical and electrical stresses of higher voltage and amperage ratings. It can be used for all conventional air switch applications and it does not require periodic maintenance, nor will the initial low effort required to open and close it increase over time.

**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**
  - 245 kV – 800 kV
- **Continuous Current Rating**
  - 2000 A – 4000 A
EV-1
Aluminum Vertical Break Switch

**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
- 4 hole or 6 hole NEMA unplated cast aluminum terminal pads
- Maintenance free bearings
- Double channel or pipe base designs
- 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)

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**RATINGS**

<table>
<thead>
<tr>
<th></th>
<th>245</th>
<th>362</th>
<th>550</th>
<th>800</th>
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<td>Maximum Voltage Rating (kV)</td>
<td>245</td>
<td>362</td>
<td>550</td>
<td>800</td>
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<tr>
<td>BIL (kV)</td>
<td>900/1050</td>
<td>1050/1300</td>
<td>1550/1800</td>
<td>1800/2050</td>
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<tr>
<td>Rated Power Frequency</td>
<td>60 Hz</td>
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<tr>
<td>Continuous Current</td>
<td>2000 A - 3000 A - 4000 A</td>
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<tr>
<td>Short-Time Symmetrical Withstand (3 Sec)</td>
<td>63 kA RMS</td>
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<tr>
<td>Peak Withstand</td>
<td>164 kA</td>
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<td>Ambient Temperature Rating</td>
<td>-40ºC to +50º Standard</td>
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<td></td>
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<td>-50ºC Optional</td>
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