The EC-1 product family expands to higher kV ratings and higher continuous current ratings.

Southern States EC-1 family of aluminum center break switch ratings has now been expanded to include a 362kV class as well as 4000 A and 5000 A continuous current at many kV ratings. The expanded EC-1 ratings, like all EC-1 switches, are available for all air 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**  
  38 kV – 362 kV

- **Continuous Current Rating**  
  1200 A – 5000 A
**EC-1**
Aluminum Center Break Switch

**KEY FEATURES**
- Aluminum live part construction with silver to silver contacts
- Square blade construction for maximum rigidity and current carrying surface area
- 4 hole or 6 hole NEMA tin plated copper terminal pads
- Single channel or double channel base designs
- Can be operated with either a manual (swing handle or worm gear) or Southern States type VM-1 motor operator
- Available 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
- Line dropping/bus dropping/cable dropping/magnetizing current interrupting (when furnished with appropriate arcing horns)

**RATINGS**

<table>
<thead>
<tr>
<th>Maximum Voltage Rating (kV)</th>
<th>38</th>
<th>48.3</th>
<th>72.5</th>
<th>123</th>
<th>145</th>
<th>170</th>
<th>245</th>
<th>362</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIL (kV)</td>
<td>200</td>
<td>250</td>
<td>350</td>
<td>550</td>
<td>650</td>
<td>750</td>
<td>900/1050</td>
<td>1050/1300</td>
</tr>
</tbody>
</table>

**ADDITIONAL RATINGS**

<table>
<thead>
<tr>
<th>Rated Power Frequency</th>
<th>60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous Current</td>
<td>1200 A</td>
</tr>
<tr>
<td>Short-Time Symmetrical Withstand (3 Sec)</td>
<td>38 kA RMS</td>
</tr>
<tr>
<td>Peak Withstand</td>
<td>99 kA</td>
</tr>
<tr>
<td>Ambient Temperature Rating</td>
<td>-40°C to +50°C Standard</td>
</tr>
</tbody>
</table>

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