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

Southern States EC-1V family of aluminum center break Vee switch ratings have now been expanded to include 3000 A continuous current at all of its kV ratings and 4000 A continuous current at 123 kV through 245 kV. The expanded EC-1V ratings, like all EC-1V switches, are available for all 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**: 72.5 kV – 245 kV
- **Continuous Current Rating**: 1200 A – 5000 A
EC-1V
Aluminum Center Break Vee Switch

KEY FEATURES

- Aluminum live part construction
- Square blade construction for maximum rigidity and current carrying surface area
- 4 hole or 6 hole NEMA tin plated copper terminal pads
- It can be operated with either a manual (swing handle or worm gear) or Southern States type VM-1 motor operator
- Can be furnished with a wide variety of accessories
- Available as the integral isolation component of Southern States CSV-CB Circuit Switcher

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>Description</th>
<th>72.5</th>
<th>123</th>
<th>145</th>
<th>170</th>
<th>245</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Voltage Rating (kV)</td>
<td></td>
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<tr>
<td>BIL (kV)</td>
<td>350</td>
<td>550</td>
<td>650</td>
<td>750</td>
<td>900</td>
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<tr>
<td>Rated Power Frequency</td>
<td></td>
<td></td>
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<td>60 Hz</td>
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<tr>
<td>Continuous Current</td>
<td>1200 A</td>
<td>2000 A - 3000 A</td>
<td>3000 A - 5000 A</td>
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<tr>
<td>Short-Time Symmetrical Withstand (3 Sec)</td>
<td>38 kA RMS</td>
<td>63 kA RMS</td>
<td>80 kA RMS</td>
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<tr>
<td>Peak Withstand</td>
<td>99 kA</td>
<td>164 kA</td>
<td>208 kA</td>
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<tr>
<td>Ambient Temperature Rating</td>
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<td>-40ºC to +50º Standard</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>-50ºC Optional</td>
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