The most versatile and capable Horizontal Interrupter Circuit Switchers in the marketplace today.

The Southern States CSH2 and CSH2-B circuit switchers are ideally suited for transformer protection providing up to 40 kA primary bus fault clearing capability and 4 kA transformer limited fault clearing capability. All circuit making and breaking operations are accomplished in an SF₆ environment, eliminating open air arcs. Available with an optional integral air break isolation switch (Model CSH2-B), the horizontal circuit switcher can be mounted in most orientations including horizontal upright, vertical, and underhung positions.

FEATURES

• Makes and breaks circuit in SF₆ – No open air arcs
• Available with (Model CSH2-B) & without (Model CSH2) vertical break disconnect
• Visual dielectric indication
• Fault close rating of 40 kA
• Readily adaptable for mounting on existing structures
• Composite interrupter housings

SPECIFICATIONS

Maximum Voltage Ratings
38 kV – 145 kV

Continuous Current Ratings
1200 A & 1600 A

Primary Bus Fault Int Rating (PBF100)
31.5 kA & 40 kA

Transformer Ltd Fault Int Rating (TLF)
4 kA

Interrupting Time
5 cycles

Fault Close Rating & Withstand Rating
40 kA
CSH2 & CSH2-B
Horizontal Interrupter Circuit Switcher
38 kV – 145 kV

KEY ADVANTAGES

- Makes and breaks the circuit in SF₆ gas
- 5 cycle interrupting speed minimizes system disturbances
- Puffer interrupters provide long contact life and multi-time fault close capability
- Single gap interrupters provide full BIL without the need for an integral disconnect switch or voltage grading resistors/capacitors
- Simple, easy erection minimizes field installation time required—all kV ratings ship with the insulators factory assembled and adjusted as standard
- Composite interrupter is standard and shipped fully pressurized
- Adaptable to a wide variety of mounting positions, structure heights, and phase spacings
- Ideally suited to upgrade fault interrupting capability of existing horizontal circuit switcher installations (all Mfgs)
- The only 40 kA circuit switcher available for mobile applications
- Southern States 5-year warranty promises trouble-free operation

BLADE BIL RATINGS (FOR CSH2-B)

<table>
<thead>
<tr>
<th>Max Voltage</th>
<th>38 kV</th>
<th>48.3 kV</th>
<th>72.5 kV</th>
<th>123 kV</th>
<th>145 kV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade BIL</td>
<td>200 kV</td>
<td>250 kV</td>
<td>300 kV</td>
<td>550 kV</td>
<td>650 kV</td>
</tr>
</tbody>
</table>

650 kV BIL INTERRUPTER RATINGS

<table>
<thead>
<tr>
<th>Temp Range</th>
<th>≤ 72.5 kV</th>
<th>123 kV</th>
<th>145 kV</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBF 100s -30°C to +50°C</td>
<td>40 kA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TLF 2 -40°C to +50°C</td>
<td>31.5 kA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Ratings shown are for 1200A. For 1600A, top temperature is +40°C
2) 145 kV ratings are for Grounded Systems (1.3 kₚₜ)
3) There is not a 2000A rating available
4) The CSH2 is currently not offered at temperatures below -40°C