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

The Southern States LSH and LSH-B are in-line switching devices ideally suited for load dropping, line and cable dropping, and loop splitting. 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, the horizontal line switcher can be mounted in most any orientation including horizontal upright, vertical, and underhung positions.

**FEATURES**

- Makes and breaks circuit in SF₆ – no open air arcs
- Available with (Model LSH-B) and without (Model LSH) vertical break disconnect
- Visual dielectric indication
- Fault close rating of 40 kA
- Readily adaptable for mounting on existing structures
- Available with porcelain or composite interrupter housings

**SPECIFICATIONS**

- **Maximum Voltage Ratings**
  - 38 kV – 245 kV

- **Continuous Current Ratings**
  - 1200 A and 1600 A

- **Line Dropping and Charging Ratings**
  - 600 A

- **Loop Splitting Ratings**
  - 1200 A and 1600 A

- **Fault Close Rating**
  - 40 kA
C A T A L O G  F L Y E R

> Load and Line Switching > LSH & LSH-B

LSH & LSH-B
Horizontal Interrupter Line Switcher
38 kV – 245 kV

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>
</tr>
</thead>
<tbody>
<tr>
<td>Interrupter/ Blade* BIL (kV)</td>
<td>350/200</td>
<td>350/250</td>
<td>350</td>
<td>550</td>
<td>650</td>
<td>750</td>
<td>900</td>
</tr>
<tr>
<td>Continuous Current</td>
<td>1200 A &amp; 1600 A</td>
<td></td>
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<tr>
<td>Load Current Interrupting</td>
<td>1200 A &amp; 1600 A</td>
<td></td>
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<tr>
<td>Loop Current Interrupting</td>
<td>1200 A &amp; 1600 A</td>
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<tr>
<td>Line Charging Current Inter-</td>
<td>600 A for all kV ratings</td>
<td></td>
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<tr>
<td>rupting</td>
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<tr>
<td>Fault Close Ratings</td>
<td>10 time 40 kA, 15 time 31.5 kA, 30 time 20 kA</td>
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</tbody>
</table>

Ambient Temperature Range
-40° C to +50° C standard for 38 kV through 170 kV
-30° C to +50° C standard for 245 kV
-40° C to +50° C optional for 245 kV
-50° C to +50° C optional for all kV ratings

* Blade BIL only applies to Model CSH-B

KEY ADVANTAGES

- Makes and breaks the circuit in SF6 gas
- 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
- Standard porcelain interrupter ships with minimal gas pressure for safety during transportation and in handling during installation. Can be shipped pressurized when composite housing is specified or optional shipping shield is supplied
- Adaptable to a wide variety of mounting positions, structure heights, and phase spacings
- The only makes-the-circuit-in-the-interrupter line switcher available in the industry
- The only available non-blade model line switcher (Model LSH)
- Southern States 5-year warranty promises trouble-free operation

Additional Applications

- Series Reactor and Capacitor Bypass Switching
- Transformer Magnetizing current interruption

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