



LSH & LSH-B

Horizontal Interrupter
Line Switcher
38 kV – 245 kV

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

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RATINGS

Maximum Voltage Rating (kV)	38	48.3	72.5	123	145	170	245
Interrupter/ Blade* BIL (kV)	350/ 200	350/ 250	350	550	650	750	900
Continuous Current	1200 A & 1600 A						
Load Current Interrupting	1200 A & 1600 A						
Loop Current Interrupting	1200 A & 1600 A						
Line Charging Current Interrupting	600 A for all kV ratings						
Fault Close Ratings	10 time 40 kA, 15 time 31.5 kA, 30 time 20 kA						
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)

Additional Applications

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