



RDA-1V

Aluminum Double End
Break Vee Switch

Compact Designs Suited for High Fault Currents & Ice Formation

Southern States RDA-1, long recognized as the industry's leading double end break switch, is also available in a more compact version, the RDA-1V. The RDA-1V shares the same live parts as the conventional RDA-1, but the RDA-1V can mount on center break "V" switch style structures and on vertical break switch phase spacing. These "V" designs are also ideally suited for applications prone to ice formations and high fault currents due to its rotating blade and reverse loop contacts.

BENEFITS

- Minimal phase spacing & overhead clearance requirements
- Ideal for applications prone to ice formations or high fault currents
- Meets all ANSI standards
- Maximum versatility (upright, vertical, or underhung mounting)
- Low profile. Requires minimum overhead clearance

SPECIFICATIONS

Maximum Voltage Rating

123 kV – 362 kV

Continuous Current Rating

1200 A - 5000 A

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RATINGS

Maximum Voltage Rating (kV)				
123	145	170	245	362
BIL (kV)				
550	650	750	900/1050	1050/1300

ADDITIONAL RATINGS

Rated Power Frequency	60 Hz			
Continuous Current	1200 A	2000 A	3000 A - 4000 A	5000 A*
Short-Time Symmetrical Withstand (3 Sec)	38 kA RMS	63 kA RMS	80 kA RMS	75 kA
Peak Withstand	99 kA	164 kA	208 kA	195 kA

*Consult factory for 5000A applications below 362 kV (1050/1300 kV BIL)

KEY FEATURES

- Aluminum live part construction
- Reverse loop jaw contact fingers with silver-to-silver current transfer surfaces
- 4 hole NEMA unplated aluminum terminal pads
- Maintenance free bearings
- Tubular base designs
- Consumes the least amount of substation space of any switch design
- Can be furnished with a wide variety of accessories
- Available as integral isolation component of SLLC CSV-DB 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)