

EC-1V

Aluminum Center Break Vee Switch

- 72.5 kV – 245 kV
- 350 kV BIL – 900 kV BIL
- 1200 A – 3000 A Continuous Current
- 61 kA & 100 kA Momentary Current
- Aluminum Live Part Construction
- Suitable for Horizontal Upright, Vertical, or Underhung Mounting
- Square Blade Construction for Maximum Rigidity and Current Carrying Surface Area
- 4 Hole or 6 Hole NEMA Tin Plated Copper Terminal Pads
- Maintenance-Free Bearings
- Can be Furnished with a Wide Variety of Accessories
- Available as the Integral Isolation Component of Southern States CSV-CB Circuit Switcher



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 any kV rating. The expanded EC-1V ratings, like all EC-1V switches, are available for all air break switch applications, including:



- Line Disconnecting
- Line Sectionalizing
- Isolation of Other Substation Equipment (such as circuit breakers, circuit switchers, power transformers, etc.)
- Bypassing Other Substation Equipment
- Bus Tie Positions
- Line Dropping/Cable Dropping/Magnetizing Current Interrupting (when furnished with appropriate arcing horns)

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Ratings:

kV	BIL (kV)	Continuous Current	Momentary Current	TR Number	Catalog Number
72.5	350	1200	61	216	EC-1V-721200-3
72.5	350	2000 / 3000	100	216	EC-1V-722000-3 / EC-1V-723000-3
72.5	350	1200	61	278	EC-1V-721200-5
72.5	350	2000 / 3000	100	278	EC-1V-722000-5 / EC-1V-723000-5
123	550	1200	61	286	EC-1V-1231200-SS
123	550	2000 / 3000	100	286	EC-1V-1232000-SS / EC-1V-1233000-SS
123	550	1200	61	287	EC-1V-1231200-HS
123	550	2000 / 3000	100	287	EC-1V-1232000-HS / EC-1V-1233000-HS
145	650	1200	61	288	EC-1V-1451200-SS
145	650	2000 / 3000	100	288	EC-1V-1452000-SS / EC-1V-1453000-SS
145	650	1200	61	289	EC-1V-1451200-HS
145	650	2000 / 3000	100	289	EC-1V-1452000-HS / EC-1V-1453000-HS
170	750	1200	61	291	EC-1V-1701200-SS
170	750	2000 / 3000	100	291	EC-1V-1702000-SS / EC-1V-1703000-SS
170	750	1200	61	295	EC-1V-1701200-HS
170	750	2000 / 3000	100	295	EC-1V-1702000-HS / EC-1V-1703000-HS
245	900	1200	61	304	EC-1V-24521209-SS
245	900	2000 / 3000	100	304	EC-1V-24520009-SS / EC-1V-24530009-SS
245	900	1200	61	308	EC-1V-24512009-HS
245	900	2000 / 3000	100	308	EC-1V-24520009-HS / EC-1V-24530009-HS

Request For Quote Information:

When requesting a quote, please include the following information:

- Catalog number
- Mounting position
- Type of operator (manual or motor)
- Any accessories required
- Any special considerations or specifications

Available Accessories:

- Standard arcing horns
- Whip type arcing horns
- Threaded clevises
- Position indicators
- Auxiliary switch
- Special insulators (brown, high creep, high strength, polymer)
- Grounding studs
- Ground switches
- Interlocks (key, mechanical, electrical)
- Spill gaps
- Terminal connectors
- Braidless grounding device
- Insulated vertical pipe
- Insulated interphase pipe
- Mounting frame
- Support structure
- Operator ground mat
- others



The Quality Name in High Voltage Switching

Note: for dimensional information on the EC-1V switch please contact Southern States for drawing(s) of the rating(s) of interest.

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