

## SPS2 362 kV

### High Voltage SF<sub>6</sub> Dead Tank Circuit Breakers

[siemens-energy.com](https://www.siemens-energy.com)



#### Globally standardized design

Siemens Energy SPS2S 362 kV dead tank circuit breakers utilize the time-tested FA spring- spring operating mechanism and 3AP arc assist interrupter common to the entire SPS2 portfolio (15 kV – 550 kV).

Siemens Energy has delivered over 160,000 breakers worldwide, with over 46,000 SPS2 circuit breakers to the US market alone since release in 1997.

#### Standard features

- No TRV capacitors necessary for breakers rated up to 63 kA
- 2-cycle interrupting time
- Ships fully assembled and factory tested
- One break per phase up to 63 kA
- No adjustments and virtually no maintenance

#### Application-based customizations

- Phase synchronizing device (PSD) for reliable point-on-wave switching
- Pre-insertion resistors (150 - 3500 Ω) with externally adjustable insertion time
- High seismic designs (per IEEE 693)
- Tank heaters for operation to -50° C
- Common frame version
- Composite bushings
- Etc. – Please contact your local Siemens Energy representative

## Ratings

Type	Related max kV	Rated continuous current (A, rms)	Rated short circuit current at rated (kA)	Interrupting time (cycles)	Lightning impulse withstand voltage BIL, (kV)	Chopped wave, 2 $\mu$ s (kA)	Closing and latching capability (kA)
SPS2-362	362	up to 5000	up to 80	2	1300	1680	up to 216

Supplementary specifications		Standard	Custom
Operating temperature range	[C]	-30 to 55	-50 to 55
Rated reclosing time	cycles	12	–
Rated duty cycle	–	OCO – 15s – CO (no derating)	–
External creep	[in]	356	442
Breaker weight	[lb]	5,688 (per phase)	–
SF <sub>6</sub> weight / pressure	[lb/psi]	385 / 87	–
Seismic withstand	–	IEEE 693	IEEE 693 (high)
Mechanical endurance	–	Class M2	–
Capacitive switching	–	Class C2	–
Motor voltage	[V <sub>dc</sub> ]	48/125/250	–
	[V <sub>ac</sub> ]	120/240	–
Auxiliary voltage	[V <sub>ac</sub> ]	120/240	–
Trip and close coil rating	[V <sub>dc</sub> ]	48/125/250	–



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