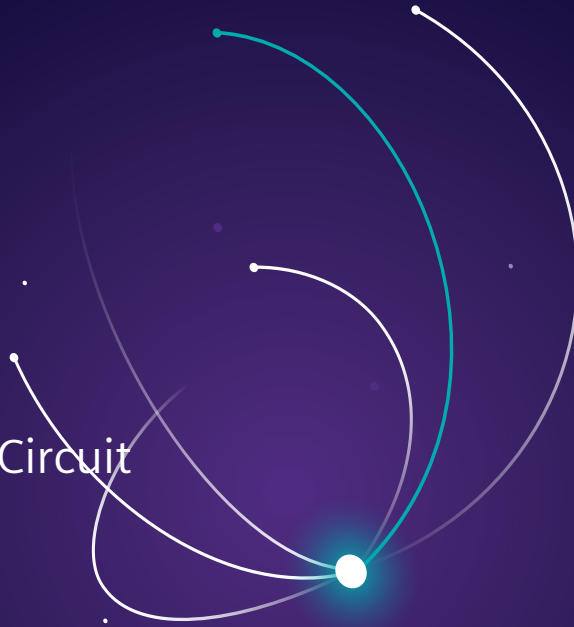


SPS2 362 kV

High Voltage SF₆ 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

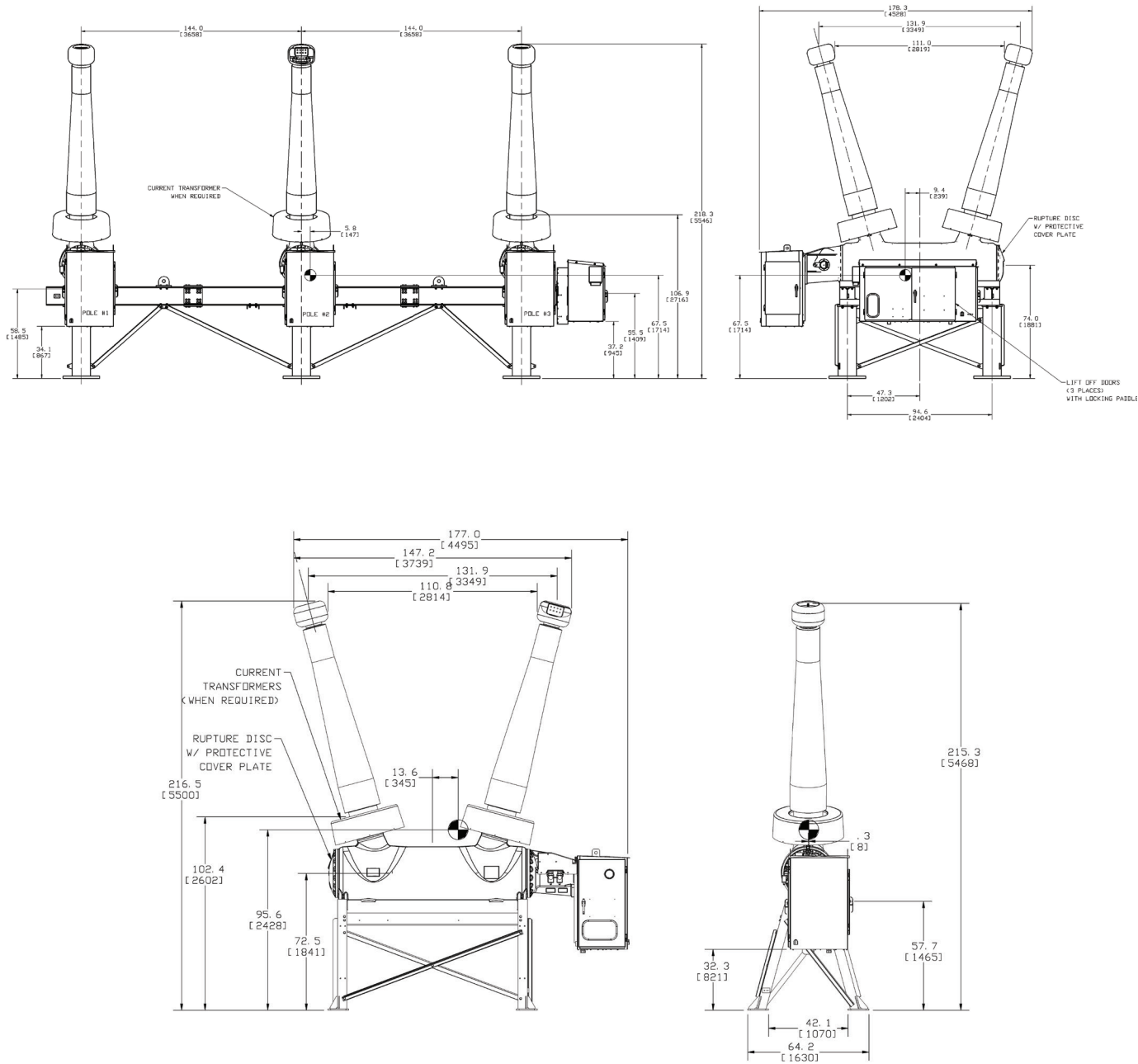
Ratings

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 μ 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 ₆ weight / pressure	[lb/psi]	385 / 87	–
Seismic withstand	–	IEEE 693	IEEE 693 (high)
Mechanical endurance	–	Class M2	–
Capacitive switching	–	Class C2	–
Motor voltage	[V _{dc}]	48/125/250	–
	[V _{ac}]	120/240	–
Auxiliary voltage	[V _{ac}]	120/240	–
Trip and close coil rating	[V _{dc}]	48/125/250	–

SPS2 362 kV Dimensions

SPS2-362



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