

SIEBREAK™ metal-enclosed switchgear

Metal-enclosed, load-interrupter switchgear up to 1,200 A and 15 kV

Description

Siemens type SIEBREAK™ load-interrupter switchgear is a modular assembly of switches, fuses, and bus assemblies that are fully integrated both mechanically and electrically to provide the highest level of medium-voltage circuit protection.

Features and benefits:

- 5 kV and 15 kV voltage classes
- 600 A and 1,200 A continuous current
- Non-fused or fused
- Indoor type 1 enclosure
- Single, duplex, and selector switch types
- Large 8" x 18" (203 mm x 457 mm) viewing window
- Hinged, grounded metal barrier in front of switch blades
- 11-gauge doors, covers, and barriers
- Silver-plated copper bus

- Provisions for key interlocking
- Mechanical door and switch interlock
- Upper and lower ventilation louvers
- Glass-polyester bus supports
- Non-corrosive nameplate
- Space heater with thermostat (optional)
- NEMA CC1 hole patterns for cable termination.

Standards

The equipment meets or exceeds applicable standards from ANSI, IEEE, CSA, EEMAC, and NEMA.

Applications:

- Standalone bay
- Transformer primary
- Lineups.

Standard outdoor features:

- Long-life space heaters (half-voltage)
- Bottom cover plate
- Externally removable filters
- 6" (152 mm) formed steel base.

Optional:

- UL or C-UL Listing
- Explosion or current-limiting fuses
- Indoor type 2 drip-proof enclosure
- Indoor type 12 dust-resistant enclosure
- Outdoor non-walk-in type 3R enclosure
- Motor-operated mechanism
- High-track resistance bus supports
- Auxiliary switches (2 NO-2 NC)
- Mimic bus
- Ground studs
- Screens and filters (indoor)
- Tin-plated copper bus.

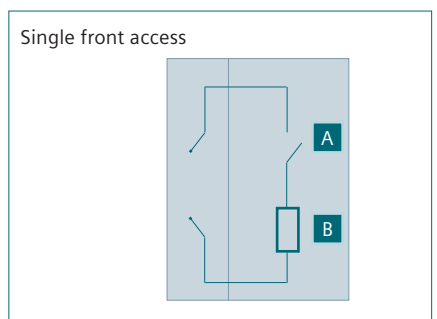
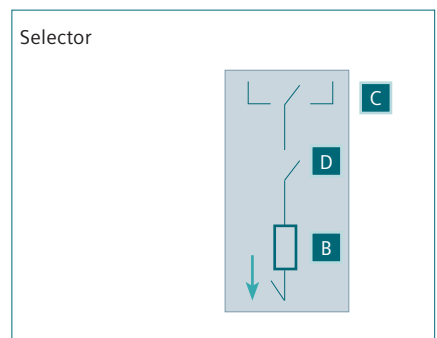
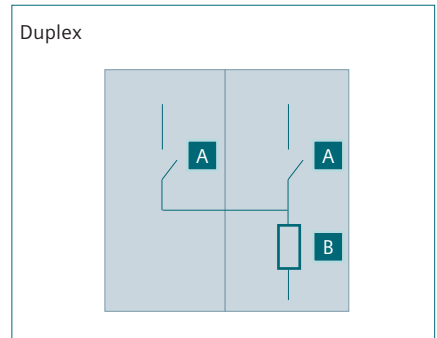
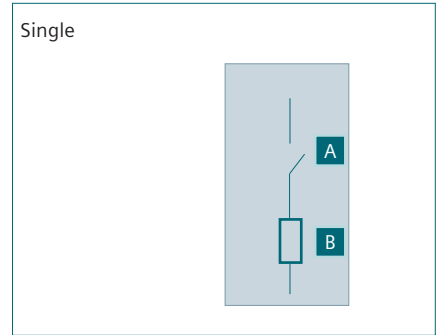
Modular configurations to mount:

- Surge arresters
- Instrument transformers
- Control power transformers
- Power meters
- Other auxiliary equipment.

Switch ratings				
System design voltage	Impulse-withstand voltage	Continuous current	Momentary (fused)	Fault close (fused)
kV	kV BIL	A	rms kA	rms kA
5.0	60	600	40	40
5.0	60	600	61	61
5.0	60	1,200	40	40
5.0	60	1,200	61	61
15.0	95	600	40	40
15.0	95	600	61	61
15.0	95	1,200	40	40
15.0	95	1,200	61	61

Standard configuration	Single	Duplex	Selector	Lineup
Types 1, 2, 12, and 3R enclosure	•	•	•	•
36" (914 mm) wide types 1, 2, 12, and 3R	•		•	
72" (1,829 mm) wide		•		
60" (1,524 mm) wide for front-access design	•			•
2.62" (67 mm) width transition to dry-type transformer for type 3R outdoor	•	•	•	
18" (457 mm) width transition to liquid-filled transformer	•	•	•	
92" (2,337 mm) height types 1 and 12 enclosures	•	•	•	•
105" (2,667 mm) height type 3R enclosure	•	•	•	•
99" (2,515 mm) height type 2 enclosure	•	•	•	•
62" (1,575 mm) depth standard types 1, 2, and 12 enclosure	•			•
72" (1,829 mm) depth for types 1, 2, and 12 (optional)		•	•	
72" (1,829 mm) depth for type 3R enclosure	•	•	•	•
56" (1,422 mm) depth for front-access design	•			•

Item	Description
A	600 A or 1,200 A interrupter switch
B	Fuses
C	600 A no-load selector switch
D	600 A interrupter switch



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