



8DA10 SINGLE-BUS AND 8DB10 DOUBLE-BUS

Medium-voltage gas-insulated switchgear

Up to 42 kV, 40 kA, 200 kV BIL
usa.siemens.com/mvswitchgear

Features and benefits:

- Circuit breaker - up to 10,000 operations; 30,000 optional operations
- Low-pressure SF₆ gas; for insulation only and not for interruption
- Tested for arc-resistance to ANSI/IEEE C37.20.7-2017, type 2B (i.e., with low-voltage compartment door open)
- Significantly reduced personal protective equipment (PPE) needed
- Voltage transformers with primary fused protection per NEC article 240.15(A) and 450.3(C)
- Main busbar expansion without shutdown via optional busbar expansion switch
- Compact - up to 75 percent smaller than air-insulated switchgear
- Maintenance-free primary part
- Meets IEEE and IEC standards
- UL or C-UL Listing available (consult factory)
- Isolated-phase design eliminates phase-to-phase faults inside the switchgear
- Meets NEC visible disconnect requirement
- Well suited for contaminated environments
- Pair with Siemens protective relays to match any typical application
- Outdoor installation can be accommodated using a power equipment center
- Fast-acting ground switch available for line or bus application
- Trained and certified local personnel in U.S. available for start-up, commissioning, and maintenance.

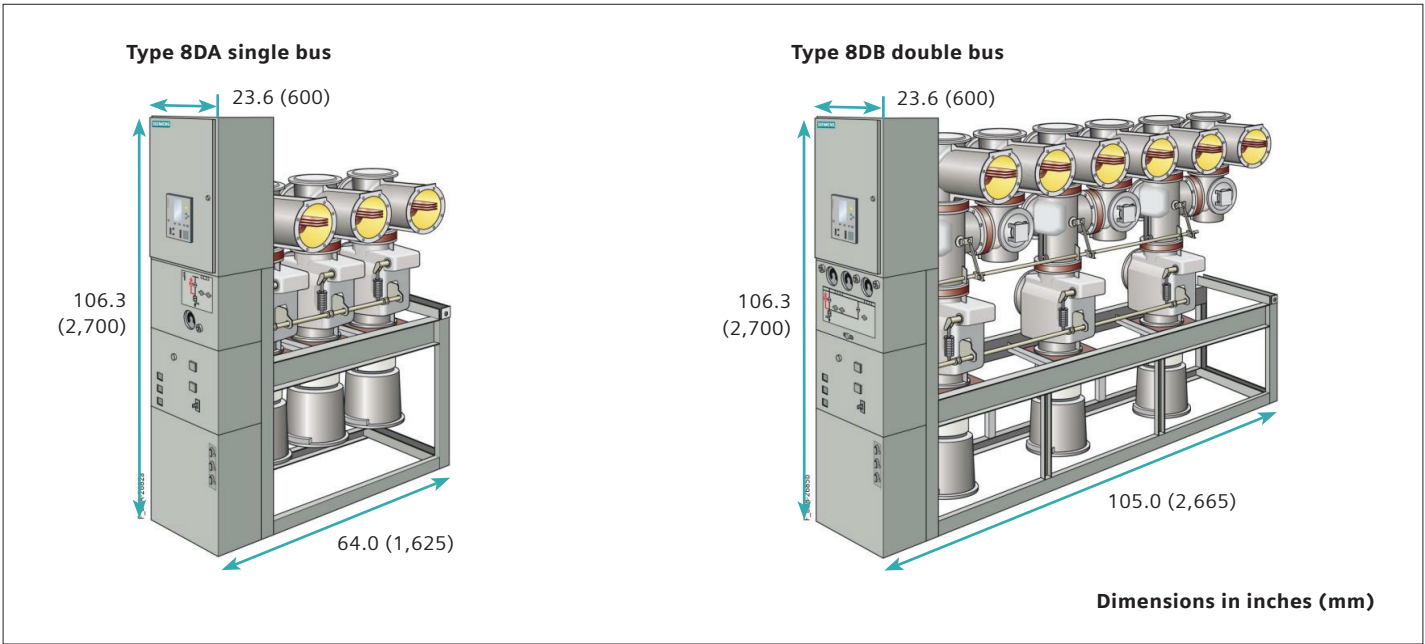
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Technical ratings

Characteristics	Unit	Voltage class			
Rated maximum voltage	kV	15.5	27.0	38.0	42.0 ¹
Rated continuous current of main bus (maximum)	A	5,000	5,000	5,000	5,000
Rated continuous current of circuit breakers (maximum)	A	3,000 (8DA) / 3,000 (8DB)	3,000 (8DA) / 3,000 (8DB)	3,000 (8DA) / 3,000 (8DB)	3,000 (8DA) / 3,000 (8DB)
Rated lightning impulse-withstand voltage	kV peak	95	125	150, 200 ¹	185; 200 ¹
Power frequency-withstand voltage (one minute)	kV	36	60	80	80
Frequency	Hz	60	60	60	60
Short-circuit interrupting current (maximum)	kA	Up to 40	Up to 40	Up to 40	Up to 40
Short-time withstand current, 3 seconds (maximum)	kA	Up to 40	Up to 40	Up to 40	Up to 40
Short-circuit making current (close and latch) (maximum)	kA peak	Up to 104	Up to 104	Up to 104	Up to 104
Peak-withstand current (maximum) ²	kA peak	Up to 104	Up to 104	Up to 104	Up to 104

Footnotes:

- ¹ On request. Consult factory.
² Tested to ANSI/IEEE C37.20.7-2007 for arc-resistance type 2B at 40 kA for 0.5 seconds.



Legal Manufacturer
Siemens Industry, Inc.
7000 Siemens Road
Wendell, North Carolina 27591
United States of America
Telephone: +1 (800) 347-6659
usa.siemens.com/mvswitchgear
Order No. EMMS-T40043-06-4AUS
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