




SIEMENS

Ingenuity for life



Medium-voltage gas-insulated switchgear

8DA (single bus) and 8DB (double bus), up to 42 kV, 40 kA, 200 kV BIL

Features and benefits:

- Vacuum interrupter - up to 30,000 mechanical operations
- Low pressure SF₆ gas-insulated for insulation only and not for interruption
- Tested for arc-resistance to ANSI/IEEE C37.20.7-2007, type 2B (i.e., with low-voltage compartment door open)
- Significantly reduced personal protective equipment (PPE) needs
- 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)
- Single-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
- Over 100,000 panels worldwide with more than 4,500 installed in North America.

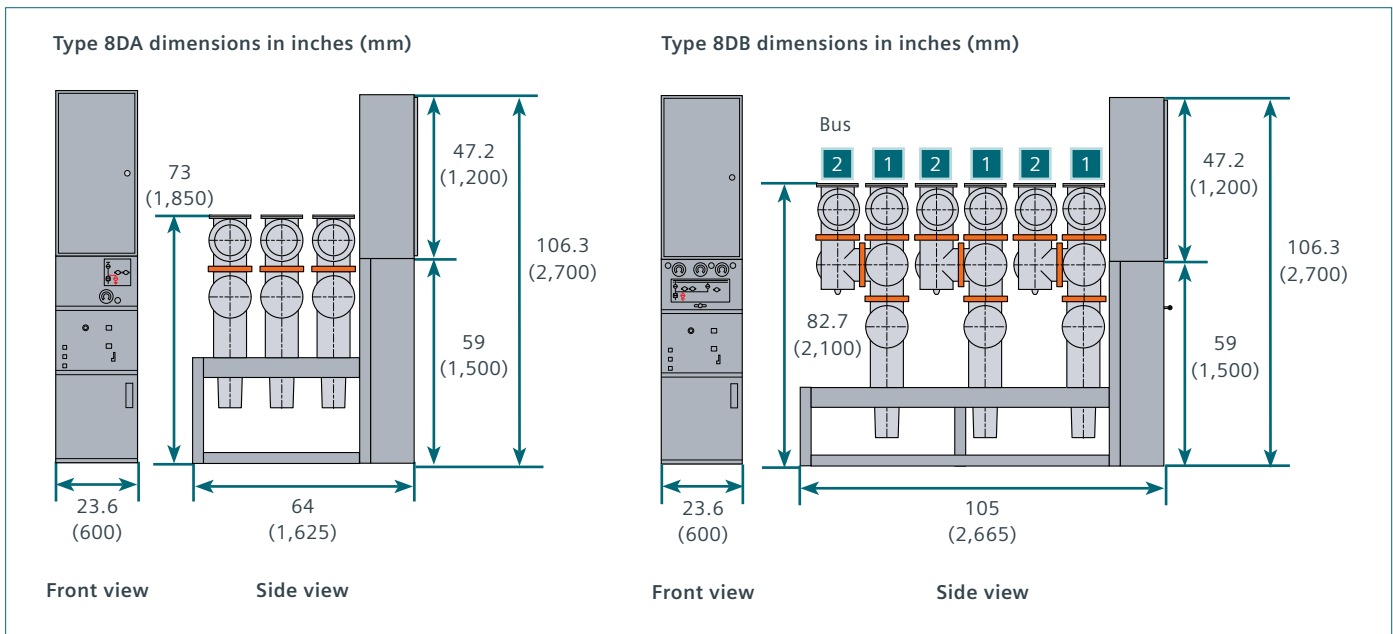


Technical ratings					
Characteristics	Unit	Voltage class			
Rated maximum voltage	kV	15.5	27.0	38.0	42.0 ¹
Rated continuous current of main bus (maximum)	A	5,000	5,000	5,000	5,000
Rated continuous current of circuit breakers (maximum)	A	2,500	2,500	2,500	2,500
Rated lightning impulse-withstand voltage	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 s (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.



Published by Siemens Industry, Inc. 2018

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For more information, including service and parts,
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Article No. EMMS-T40043-03-4AUS

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