

# SIEMENS

*Ingenuity for life*



## Circuit-Breaker Switchgear 8DA / B up to 40.5 kV, Gas-Insulated

Totally Integrated Power



When it comes to medium-voltage power distribution, Siemens has developed a broad realm of products and solutions, based on experience, innovation, and reliability.

The factory-assembled, type-tested, and metal-enclosed 8DA/B switchgear impresses with the advantages of the vacuum switching technology – for a high degree of independence in all applications.



The enclosed high-voltage part of 8DA and 8DB switchgear is suitable for applications under aggressive ambient conditions, such as saline air, air humidity, dust, and condensation. It is tight to ingress of foreign objects, such as dust, pollution and small animals. Furthermore, the application is independent of the site altitude.



The use of digital secondary systems and combined protection and control devices ensures clear integration in process control systems, flexible and highly simplified adaptation to new system conditions, and thus to cost-efficient operation. A thoroughly convincing switchgear concept that will, under normal operating conditions, be expected to have a service life of at least 35 years, probably

40 to 50 years, taking the tightness of the enclosed high-voltage part into account. As an option, an aseismic design can be provided.

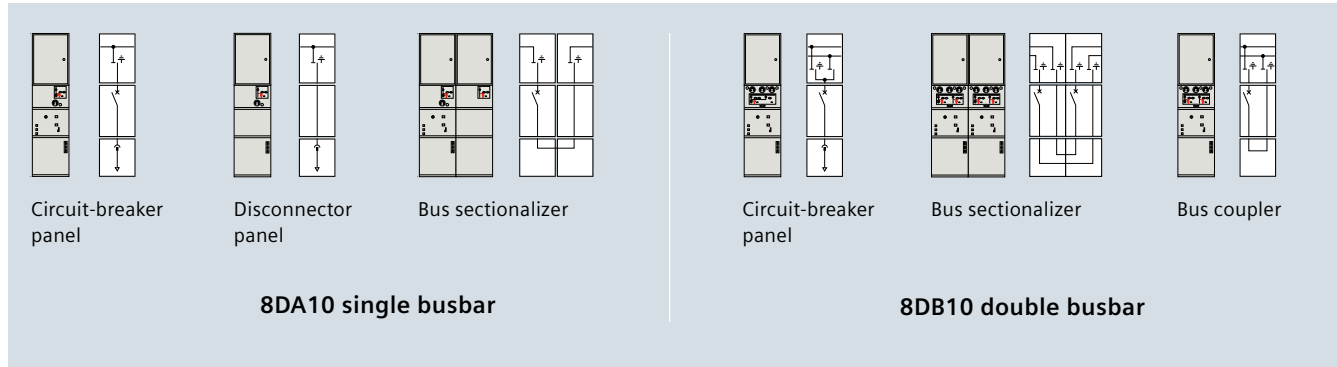
The gas-insulated switchgear 8DA and 8DB is a prime choice for use in transformer and switching substations, e.g. in power supply companies, power stations, cement industry, automobile industry, iron and steel works, rolling mills, mining industry, textile, paper and food industries, chemical and petroleum industry, pipeline and offshore installations, and so on. It is also commonly used in traction power supply systems.

### Your advantages

- Independent of environment and climate
- Maintenance-free
- Compact
- Safe for operators
- Cost-efficient
- Ecological
- Reliable and safe operation

## 8DA/8DB Medium-Voltage Switchgear

Product range (The following selection is not complete)

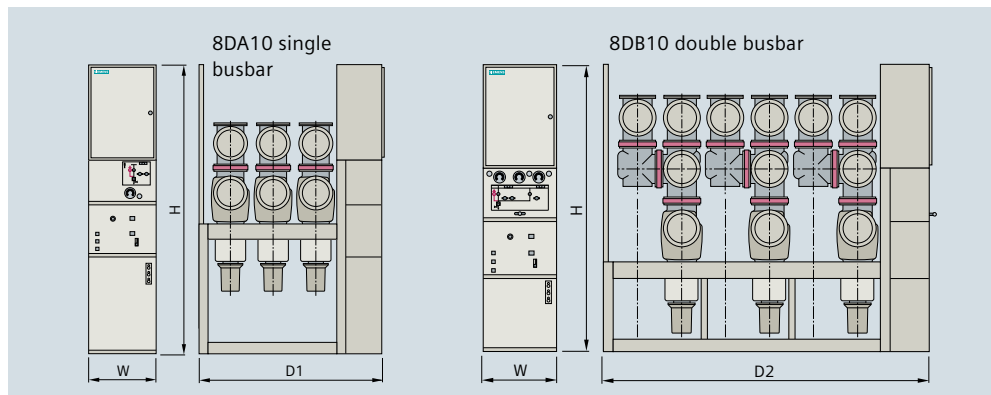


### Technical data of 8DA10/8DB10

Rated		
Voltage	up to	40.5 kV
Frequency	Hz	50 / 60
Short-duration power-frequency withstand voltage	kV	95
Lightning impulse withstand voltage	kV	200
Short-circuit breaking current	kA	40
Short-time withstand current, 3 s	kA	40
Short-circuit making current	kA	100 / 104
Peak withstand current	kA	100 / 104
Normal current for busbar	A	5,000
Normal current for feeders	A	3,150*

\* 8DB10 on request

### Dimensions of 8DA10/8DB10



Dimensions		Dimensions in mm
Width (spacing)	W	600
Height	H	Standard design Design with higher low-voltage compartment
		2,350 2,700
Depth	D1	Single-busbar switchgear
	D2	Double-busbar switchgear
		1,625 2,665

### Performance features

- Type-tested according to IEC 62271-200
- Enclosure with modular standardized housings made from corrosion-resistant aluminum alloy
- Safe-to-touch enclosure and standardized connections for plug-in cable terminations
- Operating mechanisms and instrument transformers are easily accessible outside the enclosure
- Metal-enclosed, partition class PM
- Loss of service continuity category for switchgear: LSC 2
- Internal arc classification: IAC A FLR 40 kA, 1 s

© 2017 Siemens. Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

Siemens AG, Energy Management  
Medium Voltage & Systems  
Postfach 3240  
91050 Erlangen, Germany  
siemens.com/8da  
siemens.com/8db

