



The one that fits all

8DJH gas-insulated medium-voltage switchgear up to 24 kV

Answers for energy.

SIEMENS

8DJH – for all applications

8DJH – proven state-of-the-art technology

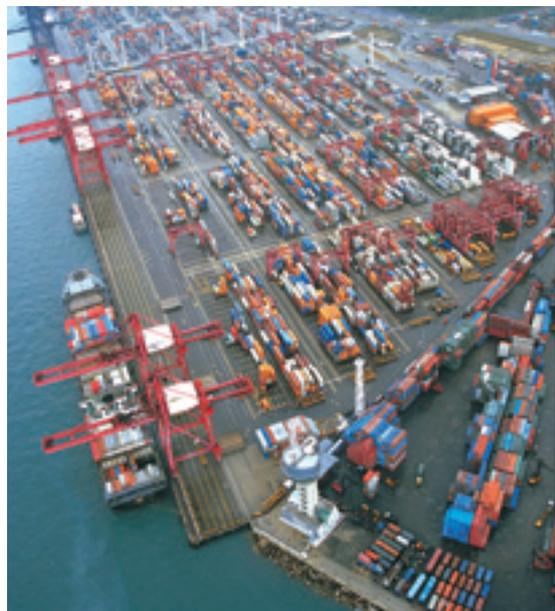
More than 25 years ago, with the development of gas-insulated medium-voltage switchgear, Siemens laid the foundation stone for the worldwide success of this technology. Based on decades of experience in the technology, production and application, Siemens is the worldwide leader. Meanwhile, an installed base of more than 500,000 functions – just in secondary distribution – speaks for itself. With the medium-voltage switchgear 8DJH, Siemens is setting the benchmark again.

8DJH – efficient, environmentally friendly, innovative

8DJH switchgear is the solution to meet both individual customer requirements and the demand for standardized and cost-efficient series products. It combines the proven technology of the Siemens switchgear types 8DJ and 8DH, and innovative components have been added. Thus, the complete 8DJH switchgear stands for proven quality and maximum service continuity, cost-efficiency and security of investment. Furthermore, fully recyclable components and most ecological manufacture contribute to a responsible handling of the environment.

The ideal solution for secondary distribution:

Environmentally compatible 8DJH switchgear convinces by sovereign performance and high cost-efficiency in all fields of application – even under adverse ambient conditions.



At one glance: Many convincing advantages speak for the new line of gas-insulated medium-voltage switchgear from Siemens.

- Maintenance-free and climate-independent
- Extraordinary flexibility due to a completely modular and extendable switchgear concept
- Protection of investment by tailored solution for every user requirement
- Installation friendliness due to innovative busbar coupling
- Shorter delivery times as a result of optimized production process
- Environmental protection thanks to fully recyclable components and a production process that preserves the resources
- Personal safety by means of interlock-controlled operating concept



8DJH – for all substation configurations

8DJH – for all switchgear configurations

Flexibility regarding the switchgear configuration is a decisive factor in secondary distribution. Here, 8DJH switchgear sets an example due to its modular design. Functions can be arranged most variably, not only within a panel block, but also in more complex switchgear layouts.

All individual panels and panel blocks are optionally extendable. Thus, almost every switchgear arrangement can be implemented with 8DJH switchgear. From a mere ring-main unit and customer transfer substation to industrial switchgear with multiple circuit-breaker feeders, 8DJH switchgear convinces by its consistent concept.

8DJH – for all standards and high benefits

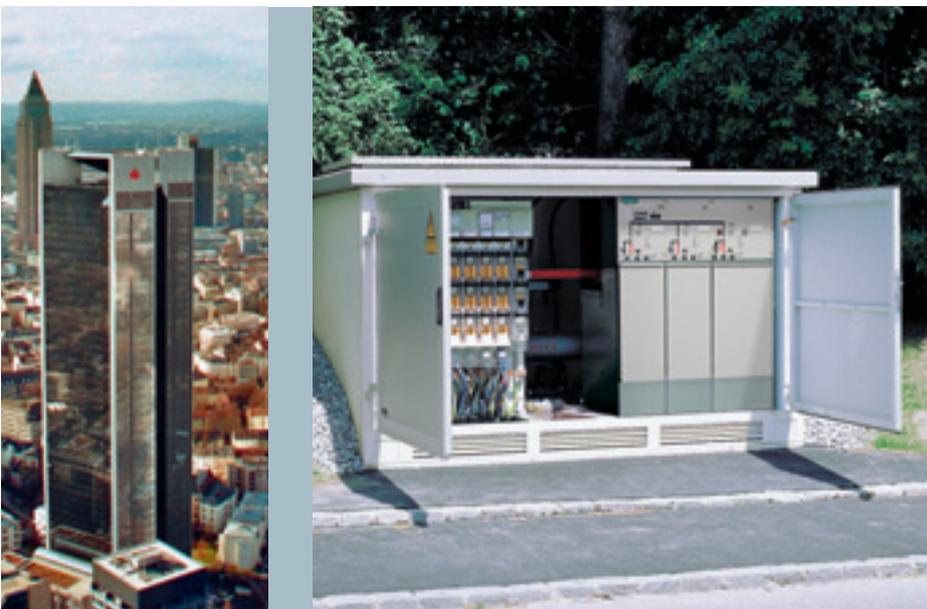
Besides the certification according to IEC/EN 62271, switchgear and controlgear must also satisfy several different national standards. For this reason, a complete type test documentation is available for 8DJH switchgear – just as for the existing type series 8DJ and 8DH. An important part of this is the internal arc classification (IAC) by independent institutions.

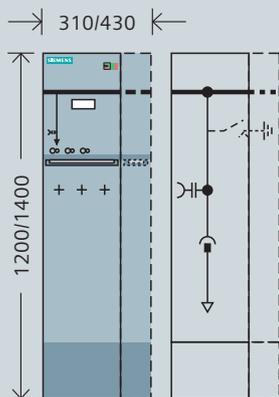
Intelligent new detailed solutions such as the comfortable cable connection height, a high degree of flexibility regarding switchgear configuration, as well as a high degree of cost-efficiency, make 8DJH switchgear the right answer to almost every requirement.

Panel blocks

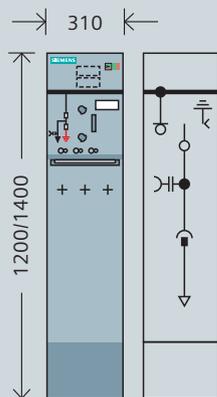
Billing metering panels

Switchgear data

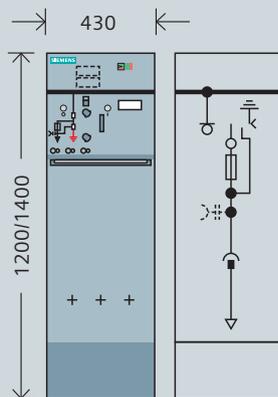




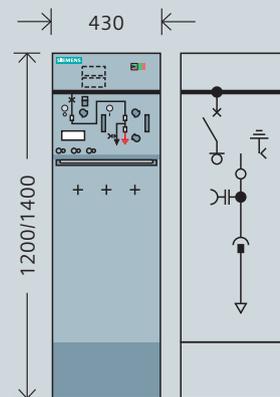
Cable feeder K
without / with make-proof earthing switch



Ring-main feeder R



Transformer feeder T



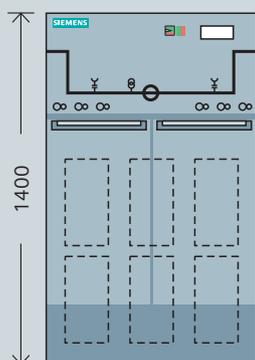
Circuit-breaker feeder L

Type	Width (mm)
R R	620
R K	620
R T	740
R L	740
K T	740/860*
K L	740/860*
T T	860

Type	Width (mm)
R R R	930
R R T	1050
R R L	1050
R T R	1050
R L R	1050

Type	Width (mm)
R R R R	1240
R R R T	1360
R R R L	1360
T R R T	1480
L R R L	1480

* K without / with make-proof earthing switch



Connection		
Left	Right	Width (mm)
Busbar	Busbar	840
Cable	Busbar	840
Busbar	Cable	840
Cable	Cable	840

Further panel and block versions in preparation

Rated voltage		kV	7,2	12	15	17,5	24
Rated insulation level	Rated short-duration power-frequency withstand voltage	kV	20	28/42*	36	38	50
	Rated lightning impulse withstand voltage	kV	60	75	95	95	125
Rated frequency		Hz	50/60				
Rated normal current	Busbar	A	630				
	Ring-main feeders	A	400 or 630				
	Circuit-breaker feeders	A	250 or 630				
	Transformer feeders	A	200 ¹⁾				
Rated short-time withstand current	for switchgear with $t_k=1$ s	up to kA	25	25	25	25	20
	for switchgear with $t_k=3$ s*	up to kA	20				
Rated peak withstand current		up to kA	63	63	63	63	50
Rated short-circuit making current	Ring-main feeders	up to kA	63 ²⁾	63 ²⁾	63 ²⁾	63 ²⁾	50
	Circuit-breaker feeders	up to kA	63				
	Transformer feeders	kA	25				
Rated short-circuit breaking current	Circuit-breaker feeder	up to kA	20	20	20	20	16
Ambient air temperature	without secondary equipment	°C	-25/-40* up to +70				
	with secondary equipment	°C	-5/-15 ³⁾ / -25 ³⁾ up to +55				
	Storage / transport including secondary systems	°C	-40 up to +70				
Degree of protection	Parts of the primary circuit under high voltage		IP 65				
	Switchgear enclosure		IP2X/3X*				
	Low-voltage compartment		IP3X/4X*				
IAC classification *	Wall-standing arrangement		A FL up to 21 kA (1s)				
	Free-standing arrangement*		A FLR up to 21 kA (1s)				

* Design version ¹⁾ dependent on HV HRC fuse-link ²⁾ 52.5 kA at 60 Hz ³⁾ dependent on secondary equipment

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