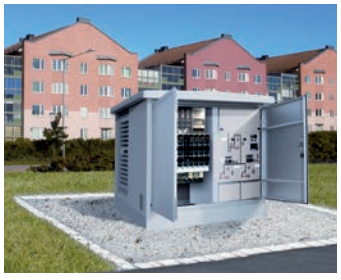
SIEMENS

Totally Integrated Power

Switchgear Type 8DJH Compact for Secondary Distribution Systems up to 24 kV, Gas-Insulated



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

8DJH Compact switchgear from Siemens is a factory-assembled, type-tested, three-pole, metal-enclosed, single-busbar switchgear for indoor installation. 8DJH Compact, the youngest member of the 8DJH family, is the ideal compact solution for the secondary distribution level. It sets new standards with regard to the compactness of medium-voltage switchgear. Thanks to its compact dimensions, it can be easily installed in new local transformer substations, and is the ideal retrofit switchgear for existing compact substations. Offering the proven functionalities of the 8DJH family, the switchgear can be integrated in Smart Grids if equipped with the corresponding options.

With this switchgear, you can reach high cost-efficiency by perfectly using the existing mounting space. As a result, additional space for further systems in the compact substation is kept clear.

Moreover, your investment is protected by our future-proof technology which means that the integration in Smart Grids as well as a cost-efficient retrofitting of compact substations is possible.

In addition, high personal safety and operational reliability by internal arcing test in accordance with the latest IEC/EN 62271-200 standard is provided.

8DJH Compact switchgear is used in public and industrial energy systems of the secondary distribution level in local ring-main units for utilities.

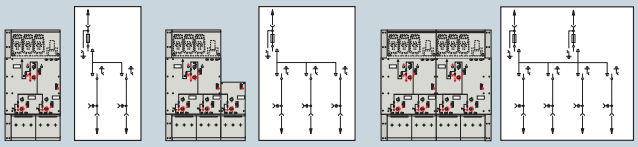
Your advantages

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

siemens.com/medium-voltage-switchgear

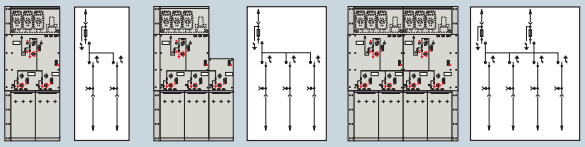
8DJH Compact, Medium-Voltage Switchgear

Product range (The following selection is not complete)



Scheme RRT | Scheme RRT-R | Scheme RRT-RRT

1,400 mm overall height



Scheme RRT | Scheme RRT-R | Scheme RRT-RRT

1,700 mm overall height

Technical data of 8DJH Compact

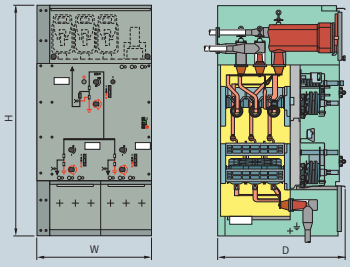
Rated							
Voltage		kV	**7.2**	**12**	**15**	**17.5**	**24**
Frequency		Hz	50/60	50/60	50/60	50/60	50/60
Short-duration power-frequency withstand voltage		kV	20	28	36	38	50
Lightning impulse withstand voltage		kV	60	75	95	95	125
Normal current for ring-main feeders		A	400 or 630				
Normal current for busbar		A	630				
Normal current for transformer feeders		A	200*				
Short-time withstand current, 1 s	50 Hz	max. kA	25	25	25	25	20
Short-time withstand current, 3 s	50 Hz	max. kA	20	20	20	20	20
Peak withstand current	50 Hz	max. kA	63	63	63	63	50
Short-circuit making current for ring-main feeders for transformer feeders	50 Hz	max. kA max. kA	63 63	63 63	63 63	63 63	50 50
Short-time withstand current, 1 s	60 Hz	max. kA	21	21	21	21	20
Short-time withstand current, 3 s	60 Hz	max. kA	21	21	21	21	20
Peak withstand current	60 Hz	max. kA	55	55	55	55	52
Short-circuit making current for ring-main feeders for transformer feeders	60 Hz	max. kA max. kA	55 55	55 55	55 55	55 55	52 52

* Depending on HV HRC fuse-link

Performance features

- Type-tested according to IEC 62271-200
- Sealed pressure system with SF_6 filling for the entire service life
- Safe-to-touch enclosure and standardized connections for plug-in cable terminations
- 3-pole, gas-insulated switchgear vessel for switching devices and busbar
- Panel blocks
- Switching devices: three-position switch-disconnector (OPEN – CLOSED – EARTHED), switch-fuse combination for distribution transformer protection
- Earthing function of switching devices generally make-proof

Dimensions of 8DJH Compact



Dimensions			Dimensions in mm
Width	W	Number of feeders (in extracts) 3 feeders (RRT) 4 feeders (RRT-R) 6 feeders (RRT-RRT)	 620**/700*** 930**/1,010*** 1,240**/1,400***
Height	H		1,400/1,700
Depth	D	Standard switchgear	775

** Internal arc classification IAC A F, *** Internal arc classification IAC A FLR

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Read the QR code to see further typicals of this switchgear!