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Switchgear 8DJH 36 for Secondary Distribution Systems up to 36 kV

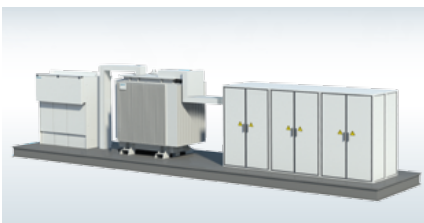
Totally Integrated Power



Gas-insulated medium-voltage switchgear 8DJH 36 is used as a node in various applications. Flexibility in switchgear configuration is a decisive factor, particularly for the distribution level up to 36 kV. Thanks to its modular construction, 8DJH 36 sets an example.



Functions can be arranged variably not only within a panel block, but also in more complex switchgear layouts. Optionally, all individual panels and panel blocks can be extended. Thus, 8DJH 36 switchgear is suitable for implementing nearly all requirements with different switchgear configurations. The compactness of 8DJH 36 enables the effective utilization of existing switchgear rooms. New buildings can be constructed smaller, and therefore at considerably lower cost. This ensures an economic utilization of surface, especially in urban areas. In this way, points of supply can be installed close to consumers, and energy losses can be reduced considerably.



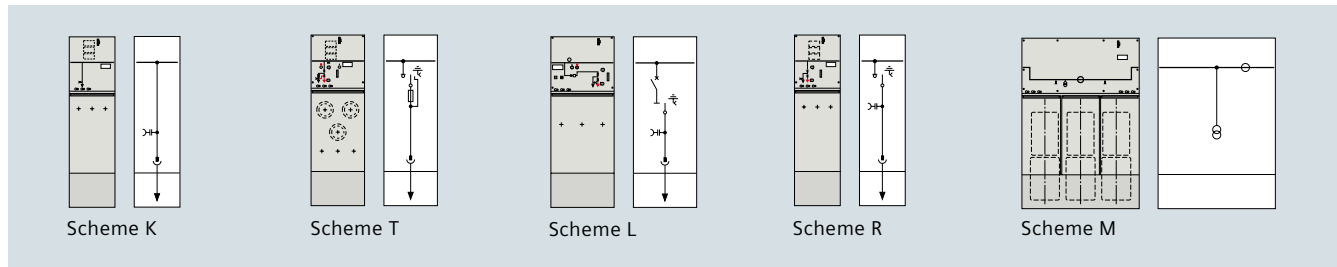
Gas-insulated medium-voltage switchgear type 8DJH 36 is powerful, and thus perfectly suitable for application in power distribution systems. Furthermore, it is used for energy supply of airports, railway stations, stadiums, and large building complexes such as hotels, banks, or hospitals. Also when using regenerative forms of energy, 8DJH 36 switchgear is convincing due to its special advantages, in particular for application in onshore and offshore wind farms, in hydroelectric and solar power plants.

Your advantages

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

8DJH 36, medium-voltage switchgear

Product range (the following selection is not complete)



Technical data of 8DJH 36

Rated				
Voltage		kV	36	
Frequency		Hz	50/60	
Short-duration power-frequency withstand voltage		kV	70	
Lightning impulse withstand voltage		kV	170	
Normal current for ring-main feeders		A	630	
Normal current for busbar		max. A	630	
Normal current for circuit-breaker feeders		A	630	
Normal current for transformer feeders		A	200*	
Short-time withstand current, 1 s	for ring-main feeders for circuit-breaker feeders for transformer feeders	50 Hz	max. kA	20
Short-time withstand current, 3 s			max. kA	20
Peak withstand current			max. kA	50
Short-circuit making current			max. kA	50
Short-time withstand current, 1 s	for ring-main feeders for circuit-breaker feeders for transformer feeders	60 Hz	max. kA	20
Short-time withstand current, 3 s			max. kA	20
Peak withstand current			max. kA	52
Short-circuit making current			max. kA	52

* Depending on HV HRC fuse-link

Performance features

- Type-tested according to IEC 62271-200
- Sealed pressure system with SF₆ filling for the entire service life
- Safe-to-touch enclosure and standardized connections for plug-in terminations
- 3-pole, gas-insulated switchgear vessel for switching devices and busbar
- Panel blocks and single panels available
- Switching devices: three-position switch-disconnector (OPEN – CLOSED – EARTHED), switch-fuse combination and circuit-breaker for distribution transformer protection, vacuum circuit-breaker with three-position disconnector
- Earthing function of switching devices generally make-proof
- Metal-enclosed, partition class PM
- Loss of service continuity category for switchgear: LSC 2
- Internal arc classification (option):
 - IAC A FL 20 kA, 1 s
 - IAC A FLR 20 kA, 1 s
- Outdoor enclosure for up to 4 feeders (option)

Dimensions of 8DJH 36

Dimensions		Dimensions in mm		
Width	W	Ring-main feeders	430	
		Transformer feeders	500	
		Circuit-breaker feeders	590	
		RRT block	1,360	
Height	H1	Panels without low-voltage compartment	1,600	
		Panels with low-voltage compartment	H2	1,800 – 2,200
			Billing metering panels	1,100
Depth	D	Standard switchgear	920/980	
		Switchgear with pressure absorber (option)	1,035/1,095	

Dimensions of 8DJH 36 outdoor enclosure

Dimensions		Dimensions in mm
Width	W	1040
		1470
		2060
Height	H	1700
		1875
		2275
Depth	D	1142

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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.

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