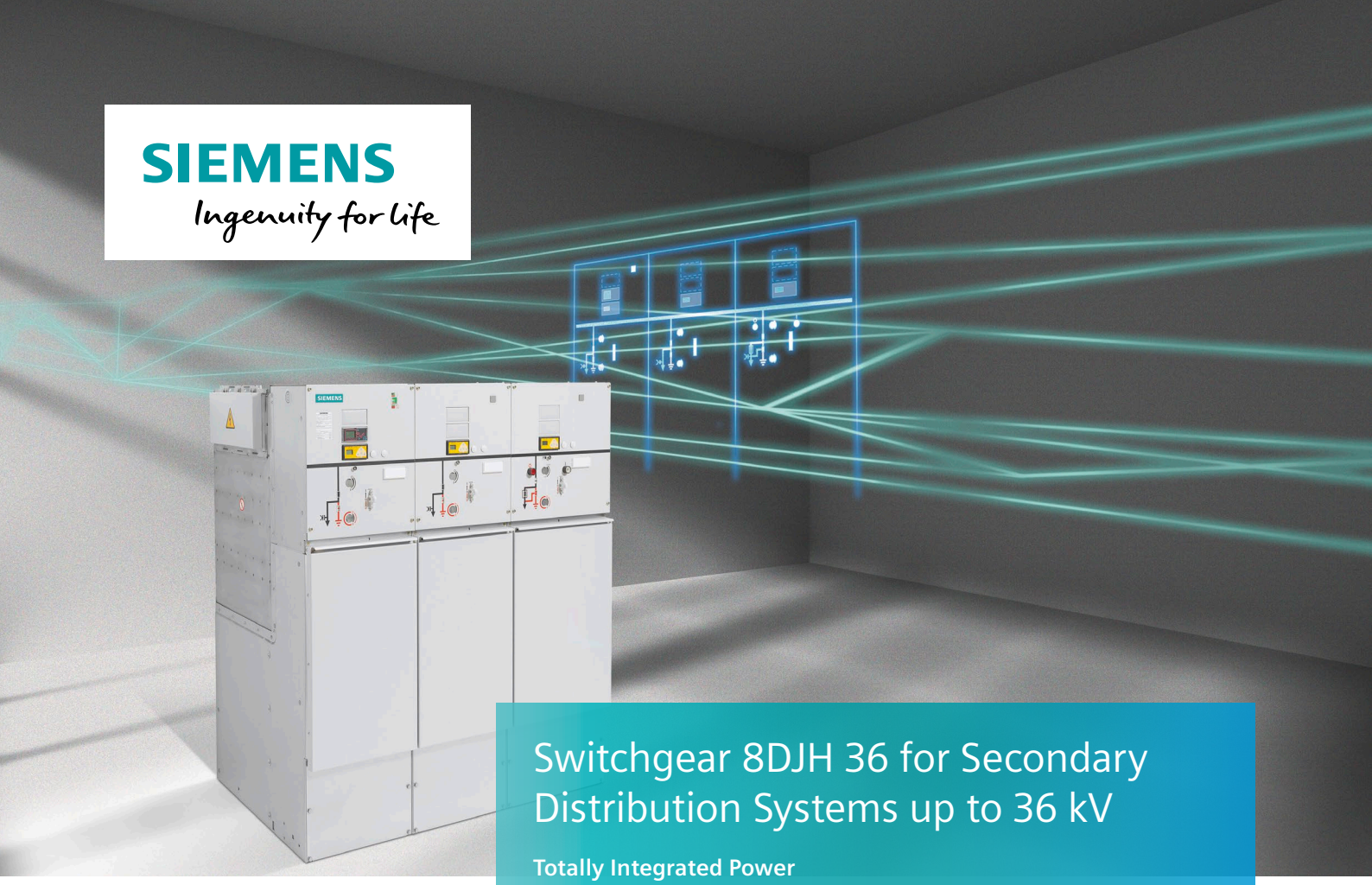
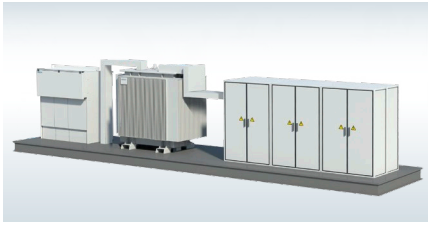
SIEMENS

Ingenuity for life



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.

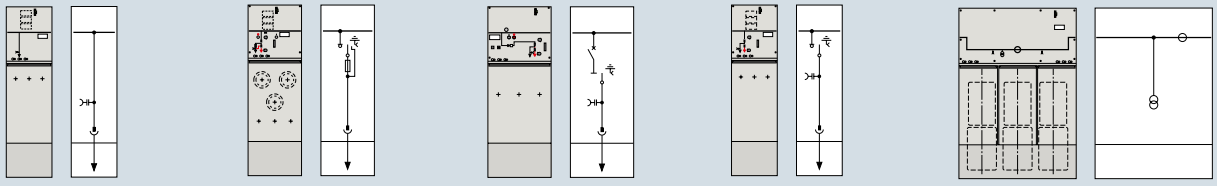
Functions can be arranged variably not only within a panel block, but also in more complex switchgear layouts. Optionally, all individual panels and panel blocks can be extended. Thus, 8DJH 36 switchgear is suitable for implementing nearly all requirements with different switchgear configurations. The 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

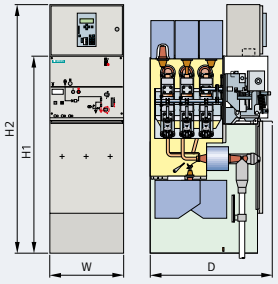
8DJH 36, medium-voltage switchgear
Product range (the following selection is not complete)



Technical data of 8DJH 36

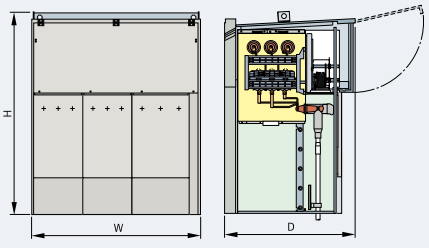
Rated				
Voltage			kV	**36**
Frequency			Hz	50/60
Short-duration power-frequency withstand voltage			kV	70
Lightning impulse withstand voltage			kV	170
Normal current for ring-main feeders			A	630
Normal current for busbar			max. A	630
Normal current for circuit-breaker feeders			A	630
Normal current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

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
		RRL block	1,450
		Billing metering panels	1,100
Height	H1	Panels without low-voltage compartment	1,600
	H2	Panels with low-voltage compartment	1,800 – 2,200
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

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 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)

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