8DJH 36 ARC-RESISTANT METAL-ENCLOSED

Medium-voltage **gas-insulated switchgear**

Up to 38 kV, 25 kA, 170 kV BIL · UL and cUL listed
usa.siemens.com/mvswitchgear

Overview:
Medium-voltage, gas-insulated switchgear 8DJH 36, compact and versatile, 38 kV rated switchgear is suitable for various functions and applications including:

- Ring Main Unit (RMU)
- Unit substation primary
- Configurable by:
  - Individual panels, e.g. K (cable pull section), R (ring section) and L (VCB section)
  - Block configurations
  - Lineups
- Indoor and outdoor enclosures.

Key user benefits:

- UL and cUL listed
- Compactness and versatile switchgear
- Arc-resistant switchgear at 38 kV
- Extendable panels and block
- Reduced-maintenance
- Integrated grounding switch
- Viewing and lighting system
- Space saving for electrical rooms
- Low cost and high value.

Suitable for use in:

- Commercial, industrial, and renewables applications
- Data center, airports, train stations, stadiums, and large building complexes such as hotels, banks, hospitals, and more.
- Economic utilization of land, e.g., urban areas, designed to be installed closer to consumers, etc.

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8DJH 36 features:

- Type-tested to internal arc classification per IEC 62271-200 and IEEE C37.20.7
  - Type 1B up to 25 kA, 0.5 s (wall-standing arrangement)
  - Type 2B up to 25 kA, 0.5 s (free-standing arrangement)
- Compliant with IEEE 37.20.9 and CSA C22.2 No. 31-18
- Climate and environment independent
- Sealed pressure system with SF6 filling for the entire service life
- Safe-to-touch enclosure and standardized connections for plug-in terminations
- Three-pole, gas-insulated switchgear vessel for switching devices and busbar
- Lineups and single sections available
- Switching devices: three-position, switch disconnector (OPEN – CLOSED – GROUND), and circuit breaker for distribution transformer protection, vacuum circuit breaker with three-position disconnector
- Grounding function of switching devices generally make-proof
- Viewing and lighting system (VLS) without auxiliary power supply to fulfill the NEC requirement for checking the position of the three-position switch
- Metal-enclosed, partition class PM
- Unique SF6 ready to service indicator without auxiliary supply and gas sealing
- Loss of service continuity category for switchgear: LSC 2
- Outdoor enclosure for up to four sections (option for eight sections on request)
- Outdoor enclosure with weatherproofing test to IEEE C37.20.9
- Outdoor enclosure tested to internal arc classification per IEEE C37.20.7
- UL listed for all indoor and outdoor applications.

Technical ratings

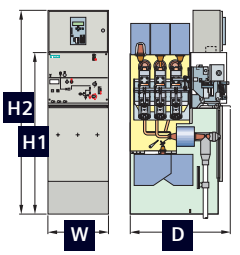
Characteristics	Unit	Voltage class	
Rated maximum voltage	kV	38.0	38.0
Power frequency-withstand voltage	Hz	50	60[1]
Rated short-duration power-frequency withstand voltage	kV	80	80
Rated lightning impulse-withstand voltage	kV peak	170	170
Normal current for ring-main sections	A	600	600
Normal current for busbar	A	600	600
Normal current for circuit breaker sections	A	600	600
Short-time withstand current, 2s	kA	25	25
Peak-withstand current	kA	62.5	65
Short-circuit making current	kA	62.5	65

Footnote: 1. UL or c-UL only for 60 Hz available.

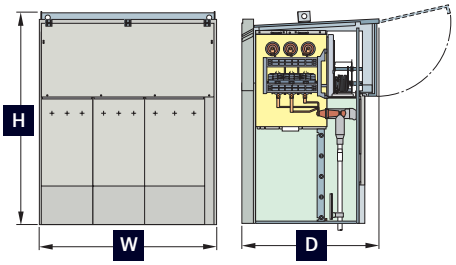
Dimensions

Indoor	Type	In inches (mm)
Width (W)	Ring-main and cable sections Circuit-breaker sections	16.9 (430) 23.2 (590)
	RRL and KRL block	57.1 (1,450)
	RL block	40.2 (1,020)
Height (H1)	Without low-voltage compartment	63 (1,600)
Height (H2)	With low-voltage compartment	70.9 – 86.6 (1,800 – 2,200)
Depth (D)	Standard switchgear	36.2 / 38.5 (920 / 980)
	Switchgear with pressure absorber (option)	40.4 / 42.7 (1,025 / 1,085)
Outdoor	**In inches (mm)**	
Width (W)	41 (1,040) / 57.9 (1,470) / 81.1 (2,060)	
Height (H)	66.9 (1,700) / 73.8 (1,875) / 89.6 (2,275)	
Depth (D)	40.4 (1,026)	

Indoor



Outdoor



Legal Manufacturer

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