



# Gas-insulated switchgear type 8DN9

Technical data

[siemens-energy.com](https://www.siemens-energy.com)

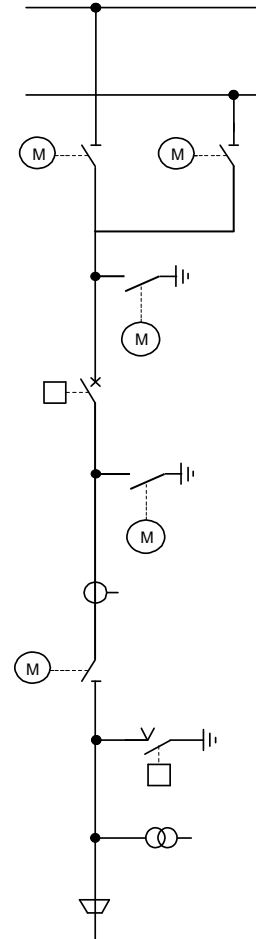
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## Technical data of gas-insulated switchgear type 8DN9

Rated voltage	up to 245 kV*
Rated frequency	50/60 Hz
Rated short-duration power-frequency withstand voltage (1 min)	up to 460 kV
Rated lightning impulse withstand voltage (1.2 / 50 µs)	up to 1050 kV
Rated normal current busbar	up to 4000 A
Rated normal current feeder	up to 4000 A
Rated short-circuit breaking current (< 3 cycles)	up to 50 kA
Rated peak withstand current	up to 135 kA
Rated short-time withstand current (up to 3 s)	up to 50 kA
Leakage rate per year and gas compartment (type-tested)	< 0.1 %
Drive mechanism of circuit-breaker	stored energy spring
Rated operating sequence	O-0.3 s-CO-3 min-CO CO-15 s-CO
Bay width	1500 mm
Bay height, depth (depending on bay arrangement)	3700 mm x 5100 mm
Bay weight	7.5 t
Ambient temperature range	-25 °C up to +55 °C
Installation	indoor
Rated supply voltage	110 – 250 V DC
First major inspection	> 25 years
Expected lifetime	> 50 years
Standards	IEC / IEEE / GOST

Other values on request

\*for offshore applications up to 300 kV available



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