



Siemens 8DJH
(11/22 kV)



Siemens 8DJH-36
(36 kV)



Siemens 8DA10



SRF Three Phase
JFR Single Phase
Line Regulator



Siemens NXPLUS C



RE+DS Resonant Earthing



SADTEM
Instrument Transformers



Siemens 3AF

Product Gallery

QUICK GUIDE	Voltage Range			Indoor	Outdoor		Current Rating
	11kV	22kV	33kV		Class A	Class B	
8DJH	●	●		●	●	●	630 A
8DJH-36			●	●	●		630 A
NXPLUS C	●	●	●	●			1250 A
8DA10	●	●	●	●			5000 A
3AF			●				2000 A

Refer to catalogues for specific ratings. Not all combinations/panel types supported.

8DJH

- 11 and 22 kV
- 630 A
- Indoor
- Outdoor Class A
- Outdoor Class B
- 20 kA 3 sec

The 8DJH compact Ring Main Unit offers a wide variety of panel choices. Designs can include ring switches, fused transformer

feeders or circuit breakers, cable feeders, bus sectionalisers and revenue metering panels. Your specific needs can be accommodated by specifying the modules and arrangement required, with an 'extensible' option that allows for further panels to be added in the future. 11 and 22 kV distribution systems (to 630 A) are supported.

Front-panel locking is intuitive and fool-proof – meeting the specific needs of the New Zealand distribution companies' standard practices. The Ring Main Unit features low-pressure, sealed-for-life tanks, to eliminate the need for maintenance and gas handling.



Siemens 8DJH Indoor Switchboard



Siemens 8DJH Outdoor Class A on concrete flat pad



Siemens 8DJH Outdoor Class B on concrete flat pad

Further options for the 8DJH series include motorised operation of disconnectors, circuit breakers, earth switches and spring recharge. Auxiliary switches for remote indication, surge protection, VT and CT options, and a range of protection, indication and fault passage indicators are available.

The 11 and 22 kV 8DJH series of Ring Main Units is designed for indoor use, but with optional Class A or Class B (public safe) enclosures they can be used for outdoor applications.



Siemens 8DJH Outdoor Class B with underground vault

Product Gallery

8DJH-36

- 36 kV
- 630 A
- Indoor
- Outdoor Class A
- 20 kA 3 sec



Siemens 8DJH-36 Ring Main and Circuit Breaker as individual panels

This is the 36 kV version of the 8DJH series, identical in operation and similar in appearance (but slightly larger). The 8DJH-36 does not have as many of the options as the 11/22 kV panels. For applications where its 630 A rating can be utilised, it is a very cost-effective alternative to primary switchgear. Designs can include ring switches, transformer feeders using fuses or circuit breakers, cable feeders, bus sectionalisers and revenue metering panels. Your specific needs can be accommodated by specifying the modules and arrangement required, with an 'extensible' option that allows for further panels to be added in the future.

The ability for VTs to be mounted in the switchgear means even more space and cost savings, eliminating the need for an extra VT panel. An outdoor Class A enclosure is available.



Siemens 8DJH-36 RRT Block



Siemens 8DJH-36 Outdoor Enclosure

NXPLUS C

- 11, 22 and 33 kV
- 2500 A
- Indoor
- 20-30 kA 3 sec

The NXPLUS C range supports voltages of 11, 22 and now 33 kV.

For 11 and 22 kV applications the busbar can be rated at up to 2500 A. Circuit breakers of 450 mm width support 630 and 800 A circuits, and 600 mm width breakers support 1000 and 1250 A circuits.



Siemens NXPLUS C Switchboard

For 33 kV applications the busbar is rated for 1250 A. 600 mm width circuit breaker panels are required and are available with 630, 800, 1000 and 1250 A rating.

The NXPLUS C series is fixed pattern - that is, circuit breakers are non-withdraw, and are also gas-insulated. This provides a very compact solution that does not require extensive maintenance or monitoring. No gas handling equipment is required!



Siemens NXPLUS C

Product Gallery

8DA10

- 11, 22 and 33 kV
- 5000 A
- Indoor

The 8DA10 primary switchgear features single-pole metal-enclosed bus work. The 8DA10 has been available for many years and its proven field reliability has seen continued demand for this product design. The single-pole bus work reduces the likelihood of phase-to-phase faults – where at the intended primary location would have significant energy.

The 8DB10 version provides a double bus solution if that is required.



Siemens 8DA10



Siemens 3AF0 Outdoor Vacuum Circuit Breaker

3AF

- 11, 22 and 33 kV
- 2000 A
- Outdoor

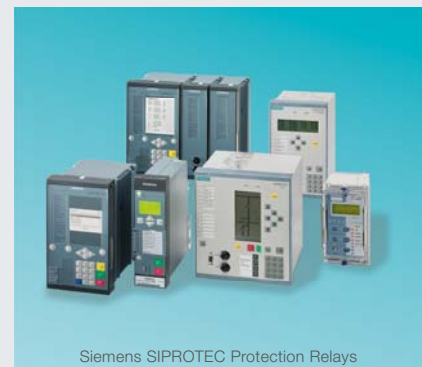
Siemens outdoor vacuum circuit breakers are specifically designed to have a minimum of moving parts and a simple design in order to guarantee a long electrical and mechanical service life.

The 3AF and 3AG are restrike-free and offer reliable operation through their stored-energy spring operating mechanism. They are easy to install, operate and maintain. Due to their modular structure and lightweight components, these Siemens live-tank circuit breakers can be easily transported to their installation site.

Protection and Automation

HV Power recommends and supports the Siemens SIPROTEC series of protection relays, and can guide you to the appropriate choice of SIPROTEC 4, SIPROTEC Compact or SIPROTEC 5 series.

We can design a range of automation solutions using the protection relays or the Siemens A8000 RTU/Automation Controller.



Siemens SIPROTEC Protection Relays



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HV Power Configuration

This document provides an overview of main product features. Not all options or combinations are shown or supported. Contact HV Power for specific information or refer directly to individual product specifications.

Services we offer

- Establish and enforce an approved 'standard design' for each customer
- Support people based in New Zealand
- Installation and operation training
- SCADA mapping and custom automation functions
- New Zealand stock of 442 mm 11/22 kV fuses