

Masterpack® NW Power Circuit Breaker with DC Ratings

Turn It On: broad protection and proven reliability

The Square D® Masterpack® NW DC power circuit breakers, the latest addition to the Masterpack product family, now offer a broad range of protection for DC systems. These ratings qualify the Masterpack NW breaker for use on critical DC power applications such as battery UPS systems, transit applications and DC backup systems in power plants and substations.

With the proven reliability and performance of the Masterpack family, the NW DC breakers are tested to meet UL 489 Supplement SC and IEC 60947-2 for DC circuit breakers.

What can DC-rated Masterpack NW Circuit Breakers do for you?

■ Easy to operate

- ease of set-up and configuration
- proven Masterpack track record

■ Flexible installation options

- available in both fixed and drawout construction
- circuit breaker or switch options will fit all applications

■ Lower installation costs

- offers the smallest footprint in the industry
- factory tested and calibrated to reduce installation time

■ Proven reliability

- long service life with little or no maintenance
- Masterpack reputation as number one choice in critical applications

■ Complete product offering

- easy to select standard, rating, performance and accessories for any application
- for ungrounded UPS: 800 to 4000 A; 600 VDC floating and 500 VDC loaded
- for all DC systems: 1000 to 4000 A; 500, 750 and 900 VDC

Where do you use DC-rated Masterpack NW circuit breakers?

■ Industrial panel builders

- Control panels for emergency DC power
- Control of UPS (uninterruptible power supplies)

■ Facilities and infrastructures

- Emergency DC power for substation controls
- Protection and control of DC motors

Masterpack® NW Power Circuit Breaker with DC Ratings

Product Specifications

- UL 489 Supplement SC

Frame sizes and interrupting ratings: Interrupting Ratings for UL 489 Listed Masterpack NW Circuit Breakers

Model Number (Type C)	Circuit Breaker Rating	Endurance Rating (C/O cycles) (with no maintenance)		Breaking Capacity¹ 500 VDC (max 600 VDC unloaded) L/R 8 ms	Breaking Time	Closing Time			
		Mechanical	Electrical						
NW08NDC	800 A	10,000	2800	35 kA	30 to 75 ms	<70 ms			
NW12NDC	1200 A								
NW16NDC	1600 A								
NW20NDC	2000 A	10,000	1000						
NW25NDC	2500 A	10,000	1000						
NW30NDC	3000 A								
NW40NDC	4000 A	10,000	1000						

¹ This circuit breaker is only suitable for use on ungrounded UPS systems, as stipulated in UL 489 standard supplement SC (SC11.4 and SC11.5)

For more information

Visit our Web site at <http://www.us.squared.com> for more information on Masterpack NW DC power circuit breakers. The following literature is available from your authorized Square D distributor or Schneider Electric sales office:

- Masterpack NW DC Circuit Breakers catalog, document number 0613CT0501
- Masterpack NW DC (UL489 Supplement SC) user manual, document number 48049-557-01

For technical support, please call 888-SQUARED.

Schneider Electric - North American Operating Division

1415 S. Roselle Road
Palatine, IL 60067
Tel: 847-937-2600
Fax: 847-925-7500
www.us.squared.com