

SQUARE D MASTERPACT AND POWERPACT DC CIRCUIT BREAKERS

Adjustable, flexible, best-in-class circuit
breakers for OEM applications

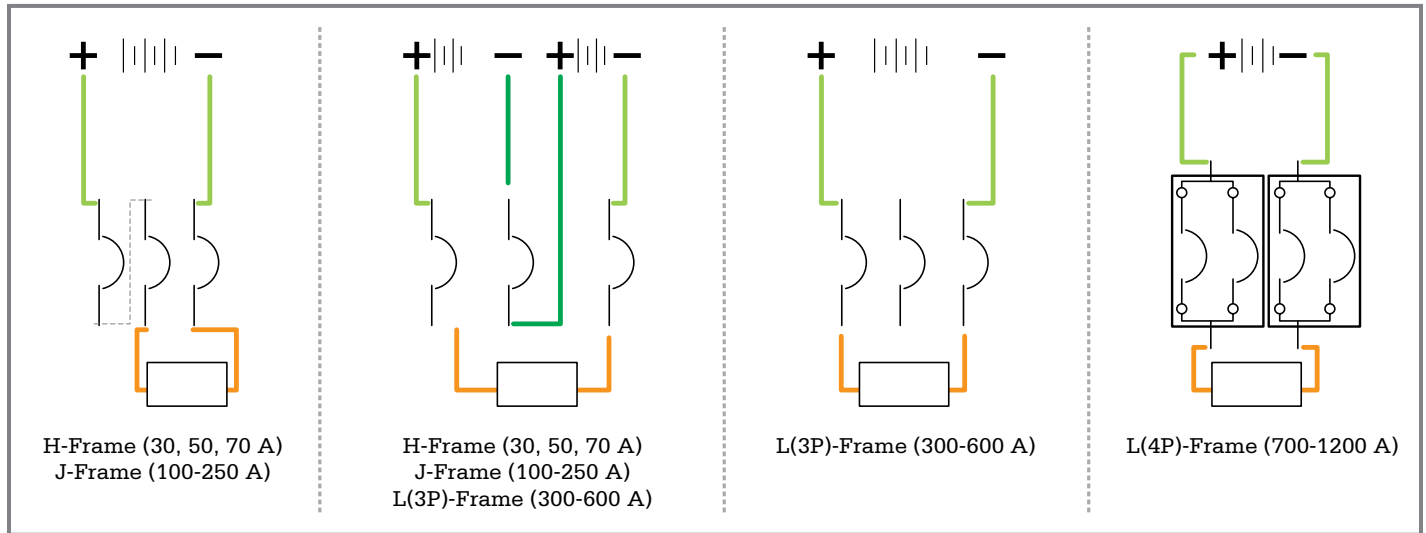




With industry leading innovations and exclusive features, Schneider Electric is the **smart, safe, and reliable choice.**

Wiring Diagrams and Voltages



PowerPact DC Circuit Breakers are designed to meet and exceed rigorous testing for UL® 489 for Direct Current Molded Case Circuit Breakers and are available in various frame sizes, in ratings from 15 A to 3,000 A at 600 VDC. The breakers provide heavy-duty operation with interrupting performances as high as 125 kA at 240 VDC and 100 kA at 480 VDC.



PowerPact DC Circuit Breakers

	Ampere Rating	Poles	500 VDC nominal	
			20 kA	50 kA
 H-Frame	30 A	3	HGL37030D87	HLL37030D87
	50 A	3	HGL37050D87	HLL37050D87
	70 A	3	HGL37070D87	HLL37070D87
 J-Frame	100 A	3	JGL37100D81	JLL37100D81
	125 A	3	JGL37125D81	JLL37125D81
	150 A	3	JGL37150D81	JLL37150D81
	175 A	3	JGL37175D81	JLL37175D81
	200 A	3	JGL37200D82	JLL37200D82
	225 A	3	JGL37225D82	JLL37225D82
	250 A	3	JGL37250D82	JLL37250D82
	300 A	3	LGL37030D27	LLL37030D27
 L-Frame (3P)	350 A	3	LGL37035D29	LLL37035D29
	400 A	3	LGL37040D30	LLL37040D30
	450 A	3	LGL37045D31	LLL37045D31
	500 A	3	LGL37050D32	LLL37050D32
	600 A	3	LGL37060D33	LLL37060D33
	700 A	4	LGL47070D35	LLL47070D35
 L-Frame (4P)	800 A	4	LGL47080D36	LLL47080D36
	900 A	4	LGL47090D86	LLL47090D86
	1000 A	4	LGL47100D40	LLL47100D40
	1200 A	4	LGL47120D42	LLL47120D42

Masterpact NW DC Circuit Breakers

	Ampere Rating	Catalog Number
 35 kA NW DC Circuit breaker	800 A	NW08NDC
	1200 A	NW12NDC
	1600 A	NW16NDC
	2000 A	NW20NDC
	2500 A	NW25NDC
	3000 A	NW30NDC
	4000 A	NW40NDC
	 85 kA NW DC Circuit breaker	800 A
1200 A		NW12HDC
1600 A		NW16HDC
2000 A		NW20HDC
2500 A		NW25HDC
3000 A		NW30HDC

- > **Available** as standard 80%-rated devices to meet your requirements
- > **Simplified installation** with smaller footprints and higher density installations designed to use less mounting space

POWERPACT

H-, J- and L-Frame Circuit Breakers

Tested and Certified

- UL® 489 Supplement SC Circuit Breakers for Uninterruptible Power Supply (UPS)
- CSA C22.2 No. 5-13 SC
- NMX – 266 – ANCE 2013 SC

Interrupting ratings: Two Levels

- 20 kA
- 50 kA

Amperages Ratings

- H: 30, 50, 70
- J: 100, 125, 150, 175, 200, 225, 250
- L (3-Pole): 300, 350, 400, 450, 500, 600
- L (4-Pole): 700, 800, 900, 1000, 1200

Trip Units Magnetic Levels

- H (Fixed): Hold 300 A, Trip 600 A
- J (Adjustable): 2X – 6X (dependent on rating)
- L (Adjustable): 2.5X – 5X

Auxiliaries*

- Auxiliary contacts and alarm switches
- Shunt and undervoltage trips
- Motor operator capabilities
- Through door-handle operators
- Handle Padlock attachment and extensions
- Locks



As part of the PowerPact range, additional auxiliaries and accessories are compatible — consult the offer catalog for the complete list.

Advanced protection, precision, and reliability

Square D Masterpact and PowerPact™ DC Circuit Breakers provide unmatched flexibility, and offer safer and more reliable protection for industrial and commercial DC applications.

Systems that use batteries as a power source, such as an uninterruptible power supply (UPS), require special consideration when specifying overload protection. Square D® 500 Vdc thermal magnetic circuit breakers are designed per UL Supplement SC for use in an ungrounded dc system using an uninterruptible power supply (UPS), with a nominal voltage of 500 Vdc or a maximum (floating) voltage of 600 Vdc.



PowerPact H-Frame



PowerPact J-Frame



PowerPact L-Frame



Easy to install



Save time and money



Increase power usage



Protect investments

MASTERPACT™

NW DC Circuit Breakers

Tested and Certified

- UL® 489 Listed and meets rigorous requirements in UL 489 Supplement SC for UPS applications
- NEMA AB1
- CSA C22.2 No. 5
- IEC 60947-2

Interrupting ratings: Two Levels

- 35 kA
- 85 kA

Amperages Ratings

- 800 A – 4000 A

Auxiliaries*

- Auxiliary contacts and alarm switches
- Shunt and undervoltage trips
- Motor operator capabilities
- Ready-to-Close Switch (PF)
- Cradle Position Switch
- Overcurrent Trip Switch (SDE)

Exclusive Features

- 100% Rated Circuit Breaker
- True Two-Step Stored Energy Mechanism
- Front Connection of Secondary Circuits



As part of the Masterpact range, additional auxiliaries and accessories are compatible — consult the offer catalog for the complete list.

Masterpact™ NW Circuit Breakers are engineered to protect electrical systems from damage caused by short circuits.



All Masterpact Circuit Breakers are designed to open and close a circuit manually, and to open the circuit automatically at a predetermined overcurrent setting.

Selection of a DC circuit breaker is based on the type of DC system, the rated voltage, and the maximum short-circuit current at the point of installation. UL® Listed circuit breakers are for use on ungrounded systems rated 500 Vdc (600 Vdc unloaded) or less.

SCHNEIDER ELECTRIC IS THE INDUSTRY LEADER...

...in providing circuit protection for DC circuit in the Uninterruptable Power Supply industry; PowerPact DC Circuit Breakers are designed for fast installation, reliability, and superior circuit protection. With industry leading innovations and exclusive features, Schneider Electric is the **smart, safe, and reliable choice**.



For more information:



Call 1-800-577-7353



Visit www.schneider-electric.us/go/PowerPactDC

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