

Powerpact® M-Frame Molded Case Circuit Breakers

Offering improved performance and efficiency

Powerpact M-Frame Molded Case Circuit Breakers provide improved performance and a compact solution for up to 800A applications. They complement the existing Powerpact P- and R-Frame, and replace the traditional MA/MH Circuit Breakers with smaller footprint and competitive cost.



Unit Mount Configurations



I-Line® Configurations

Full-Featured Performance

- Approximately 15% smaller installed volume than the MA/MH Circuit Breakers
- Same dimensions, common mounting, bussing, cabling and door cut-out as Powerpact P-Frame Circuit Breaker
- Share common accessories with Powerpact P-Frame Circuit Breaker and can be field installed easily
- Built-in electronic trip unit type ET 1.0 provides better accuracy over standard thermal-magnetic trip unit
- Fixed long-time and adjustable instantaneous protection (2 to 10 times nominal Amps rating) is standard on all Powerpact M-Frame Circuit Breakers
- Connection options, including bus, standard lug, crimp lug and distribution lug, are available for installation flexibility
- Various padlocking and key-lock options are available to comply with OSHA requirements
- Dual rated UL489 and IEC 60947-2
- Available 300A, 350A, 400A, 450A, 500A, 600A, 700A and 800A ratings
- Available in 2- and 3-pole unit-mount and I-Line versions
- Two levels of interrupting ratings available

Standard	Voltage (V)	Int. Rating G (kA)	Int. Rating J (kA)
UL	240	65	100
	480	35	65
	600	18	25
IEC Icu/Ics	240	50/25	65/35
	415	35/20	50/25

Powerpack® M-Frame Molded Case Circuit Breakers

Features Comparison

Features	Square D® MA/MH	Square D Powerpack M	Square D Powerpack P
Amp Rating	300A – 1200A	300A – 800A	250A – 1200A
2P and 3P	Yes	Yes	Yes
Interrupting Rating (kA) (240/480/600 V)	MA: 42/30/22 MH: 65/65/25	G: 65/35/18 J: 100/65/25	G: 65/35/18 J: 100/65/25 K: 65/50/50 L: 125/100/-
Dual Rated UL 489/ IEC 947-2	Yes	Yes	Yes
Trip Unit Protection	Thermal-Mag (fixed Thermal)	LI (fixed long time pick-up)	LI/LSI/LSIG
Trip Unit Power Measurement	No	No	Yes
Trip Unit Communication	No	No	Yes (Modbus – open protocol)
Interchangeable Trip Units	No	No	Yes
80/100% Rating	80%	80%	80 or 100%
Motor Operator/ Electrically Operated	Yes	No	Yes
Drawout	No	No	Yes
Dimensions (inch) H x W x D	14 x 9 x 5	12.8 x 8.3 x 5.8	12.8 x 8.3 x 5.8
Weight (lbs.)	34	30	32

Powerpack M-Frame Circuit Breaker Accessories

- Shunt Trip (various AC and DC voltages are available)
- Undervoltage Trip (various AC and DC voltages are available)
- Time Delayed Undervoltage Trip (various AC and DC voltages are available)
- Auxiliary Switches (up to 3A/3B switches); Low-level (Volts and Amps) switches are also available
- Alarm Switch (1A/1B); Low-level (Volts and Amps) switch is also available
- Standard Mechanical Lug (aluminum or copper)
- Crimp (compression) Lug (aluminum or copper)
- Power Distribution Lug (aluminum)
- Bus Connector Kit
- Inter-Phase Barriers
- Door Escutcheons (for toggle or accessory cover)
- Padlocking Device (removable or fixed version)
- Key-lock Device (Kirk or Federal Pioneer)

Contact your Square D® sales representative for additional information. Or, visit www.us.squared.com

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