

PowerPact® Electronic Motor Circuit Protectors

Turn It On: motor circuit protection solutions that offer reliability and flexibility

Delivering more reliable start-ups, better protection for equipment and a wide range of adjustments to meet users' motor starting needs, the Square D® PowerPact® electronic motor circuit protectors (MCP) are available for the PowerPact H- and J-Frame molded case circuit breakers.

To adjust to users' needs, the new PowerPact MCP has a unique design that includes one dial that allows for a wide range of full load amperes (FLA) adjustment and a second dial for motor selection. These adjustments ensure motor circuits are set to the in-rush characteristics of the motor, while achieving National Electrical Code® (NEC®) compliance.

What can PowerPact electronic motor circuit protectors do for you?

■ Reliable equipment start-ups

- Instantaneous trip points align with the motor and NEC requirements to ensure compliant installation
- Two dials allow quick and precise adjustment of settings to ensure proper protection

■ Simple installation

- Wide adjustments range means no need to change devices to cover the starter's horsepower range
- 30 A MCP has an FLA adjustment range of 1.5 A to 27 A, covering the entire range of a NEMA Size 1 starter
- Settings align directly with the information published on the motor nameplate for quick and easy installation

■ Improved equipment protection and safety

- Improved longevity of equipment from quick and decisive tripping when motor limitations are exceeded
- Ensures that breaker contacts correspond to the ON, OFF or tripped indication

■ Lower life cycle costs

- Due to the PowerPact MCPs flexibility, it eliminates the need to stock a wide variety of unique fuses and non-electronic MCPs



Where do you use PowerPact electronic motor circuit protectors?

■ Industrial Control Panels

- Branch Motor Circuits

■ HVAC Equipment

- Branch Motor Circuits

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Product Specifications

Product Feature	Benefit
SCCR Ratings for UL 508A	Up to 100 kA at 480 V SCCR rating with Square D® NEMA and Telemecanique® TeSys® contactors and starters
NEC Code Compliance	Adjustment for standard and energy efficient motors make code compliance simple
Motor In-rush	Trip unit setting to allow dampening for in-rush current from an electric motor
Voltage Ratings	Rated for both wye and delta voltage systems Allowing use on 480 Y/277 V, 480 V delta, 600 Y/347 V and 600 V delta voltages
Certifications	UL, IEC, CSA, NOM and CE

Product Selection

Frame/Current		Full-Load Amperes Range (A)		J Interrupting (see SCCR table)	L Interrupting (see SCCR table)
				Catalog Number	Catalog Number
H-Frame	30A	1.5 – 25	9 – 325	HJL36030M71	HJL36030M71
	50A	14 – 42	84 – 546	HJL36050M72	HJL36050M72
	100A	30 – 80	180 – 1040	HJL36100M73	HJL36100M73
	150A	58 – 130	348 – 1690	HJL36150M74	HJL36150M74
J-Frame	250A	114 – 217	684 – 2500	JJL36250M75	JJL36250M75

For more information

Visit our Web site at www.squared.com/powerpact for more information on the PowerPact MCP. The following literature is available from your authorized Square D® distributor or Schneider Electric sales office:

- Brochure, New Motor Circuit Protectors Improve Start-ups, document number 0106HO0601
- Catalog, PowerPact H- and J-Frame Circuit Breakers, document number 0611CT0401
- Brochure, UL 508A tested SCCR Combinations 0101BR0601
- Application Guide, PowerPact H- and J-Frame Circuit Breakers, document number 0611BR0401
- Brochure, PowerPact MCCB, document number 0611BR0402
- Application Guide, MCP Based Starters, document number 0600DB0701

For technical support, please call 888-SQUARED.

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