

MCG Surge

MODEL: CCP Series

Control Panel AC Surge Protection

The CCP (Control Cabinet Protector) Series answers the call for an ultra compact, modular AC surge protector for control cabinets, OEM equipment, and other systems requiring reliable protection. The CCP is available for 120V, 220V, 230V, 240V, 120/240V split phase, and 240V (two hots & ground) systems. Models with optional noise filtering are available.

The CCP is easily installed, as it can be wired in parallel with the load or in series installation for loads that draw 10 Amps or less. No special wire terminations are required and the wiring diagram is displayed on the side of the module for easy installation.

Two status LEDs display protection status. The unit combines safety and high performance by using multiple thermally protected high current varistors and series fuses. It's ready for quick DIN rail mounting and utilizes a scant 1.75" (45mm) of DIN rail space. The field-replaceable module takes seconds to replace for quick repair.

Standout Feature: Compact, Modular, and Affordable

Features:

- Compact Size
- Modular - 10 second, field-replaceable module
- Proven octal socket construction
- All modes protected (up to 5)
- Industrial / Commercial grade
- OEM or retrofit applicable
- Optional noise filtering
- Dual LED indicators
- High surge current density
- Series or parallel connection
- DIN rail mount
- Low cost
- Meets CE specifications
- **20-year warranty**

Models:

Model Name †	Service	Module Type
CCP120*	120VAC, 1Φ, 2W+G	CCP120MOD
CCP120/240*	120/240VAC, 1Φ, 3W+G	CCP120/240MOD
CCP240LLG*	240VAC, 1Φ, 2W+G (no neutral)	CCP240LLGMOD
CCP220**	220VAC, 1Φ, 2W+G	CCP220MOD
CCP230**	230VAC, 1Φ, 2W+G	CCP230MOD
CCP240**	240VAC, 1Φ, 2W+G	CCP240MOD

* UL 1449 Type 4CA ** UL Pending † Add "F" to model name for noise filtering option



Ipeak: up to 40,000A max per mode

UL 1449 5th Ed.
Type 4CA

Made in the

USA



Specifications

- ANSI / IEEE C62.41-2002
- IEC 61643-1-1998
- UL 1449, 5th Edition Type 4CA

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Load Current Max (series connected): 10 Amps

Load Current Max (parallel connected): 20 Amps

Wire Size Max: 16-14 AWG

Dimensions (overall with module plugged in): 1.75"(45mm) W X 2.56"(65mm) H x 4.12"(105mm) D

Surge Current per Mode

I(n): 3kA

For CCPxxx models: 40kA L-N, 40kA L-G, 20kA N-G

For CCP120/240: 20kA L1-N, 20kA L2-N, 20kA L1-G, 20kA L2-G, 20kA N-G

For CCP240LLG: 20kA L1-G, 20kA L2-G, 20kA L1-L2

Operating Temperature: -40°C to +35°C (10 Amps load current)

-40°C to +50°C (8 Amps load current)

Warranty: 20 years

Certifications: UL 1449 5th Edition, Type 4CA, CE

MOV MCOV: 125% nominal line voltage

Model Name	Mode	MLV (Vpk)	MCOV	I(n) kA
CCP120				
	L-N	510	150	3
	L-G	930	300	3
	N-G	930	300	3
CCP120/240				
	L-L	1000	300	3
	L-N	510	150	3
	L-G	930	300	3
	N-G	930	300	3
CCP240LLG				
	L-L	1000	300	3
	L-G	930	300	3