PowerSure™ CM Series Compact Surge Protection Solution



Electric power line disturbances such as high voltage transients can disrupt or damage sensitive electronic equipment — causing lost productivity and revenue. Emerson Network Power Surge Protection understands this problem and offers the PowerSure™ CM Series surge protective devices — the reliable way to keep these power problems from getting into your facility in the first place.

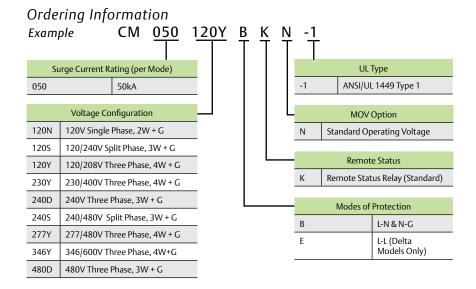
Features & Benefits

- Can be installed in any location within the AC power system.
- Rated for UL Type 1 locations and housed in a weather resistant enclosure.
- Available voltages from 120V to 480V, single and three phase.
- Optional DIN rail mounting bracket available.
- Protection status includes LEDs and summary alarm contacts for remote indication.
- 5-Year Warranty.



PowerSure[™] CM Series Technical Specifications

Part Number	CM050120NBK	CM050120SBK CM050240SBK	CM050120YBK CM050230YBK CM050277YBK CM050346YBK	CM050240DEK CM050480DEK
Operating Voltage	120VAC	120/240VAC 240/480VAC	120/208VAC 230/400VAC 277/480VAC 346/600VAC	240VAC 480VAC
Phase	Single	Split	Three/Wye	Three/Delta
Wiring	2 Wire+G	3 Wire+G	4 Wire+G	3 Wire+G
Modes of Protection	L-N; N-G	L-N; N-G	L-N; N-G	L-L
Operating Voltage Range Nominal Voltage +/- 25% (120V), all others +/-1				
Operating Frequency 47-63Hz				
Fault Current Rating (SCCR) 200kAIC				
ANSI/IEEE C62.41 Category A, B, & C				
Connection Type #10 Wire leads, 24" long				
Capacity Continuous (Parallel Connection)				
Surge Current Capacity (8x20µs) 50kA per mode				
Enclosure Size (Inches) 3.12 L x 3.12 W x 3.50 H				
Enclosure Rating UL Type 4x				
Weight 2.0 lbs.				
Conduit Hub Weather Tight				
Indication of Suppression Status Green and Red Status LED; Form C Relay Contact				orm C Relay Contacts
Response Time <.5ns				
Operation Temperature -40°C to +85°C				
Operation Humidity 0% to 95% Non-Condensin				
Certifications ANSI/UL 1449 Third Edition Type 1: cUL (Type 2 ONLY): ROI Complia				(Type 2 ONLY): ROHS Compliant
UL Location Type Type 1				
Nominal Discharge Current (In) 20k				
Warranty 5-Year				



ANSI/UL 1449 Third Edition -Voltage Protection Ratings (VPRs)

Operating Voltage	VPRs		
120 Volt Systems	600V (L-N), 1200V (L-G), 600V (N-G),1000V (L-L)		
208 through 277 Volt Systems	1200V (L-N), 1200V (L-G), 1200V (N-G), 2000V (L-L)		
480 Volt Systems	2000V (L-G), 2500V (L-L)		

Optional DIN Rail Mounting Assembly

Allows CM Series to be installed on standard 35mm industrial DIN Rail Part Number: CM-DIN (sold separately)

Headquarters

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Technical Support

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