## Surge Protection For Business-Critical Continuity<sup>™</sup>

# **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<sup>™</sup> 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 +/-				
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 Conne				(Parallel Connection)
Surge Current Capacity (8x20µs)			50kA per mode	
Enclosure Size (Inches)       3.12 L x 3.12 W x 3.50				
Enclosure Rating UL Type				
Weight 2.0 lt				
Conduit Hub Weather Tight				
Indication of Suppression Status Green and Red Status LED; Form C Relay Con			orm C Relay Contacts	
Response Time <5ns				
Operation Temperature -40°C to +8				
Operation Humidity 0% to 955			95% Non-Condensing	
Certifications ANSI/UL 1449 Third Edition Type 1: cUL (Type 2 ONLY):				(Type 2 ONLY): ROHS Compliant
UL Location Type Type				
Nominal Discharge Curr			20kA	
Warranty				

### 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**

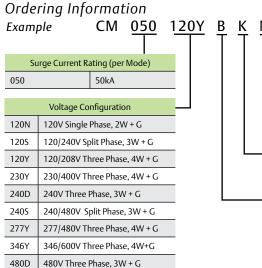
Allows CM Series to be installed on standard 35mm industrial DIN Rail Part Number: CM-DIN (sold separately)

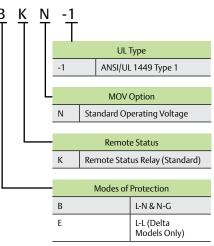
#### Headquarters

Surge Protection 100 Emerson Parkway Binghamton, NY 13905

### **Technical Support**

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While every precaution has been taken to ensure accuracy and completeness in this literature, Emerson Network Power Surge Protection, Inc. assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

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SL-81001 (R2/12) Printed in USA

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