

CurrentGuard⁸⁰



SYSTEM FEATURES

- Innovative Z-Path System™ ensures equal current sharing, increased reliability and maximum performance
- Each mode protected by surge rated over-current fuse
- Thermal disconnects protect against sustained over-voltage event
- 200kAIC short circuit current rating allows direct bus connection without the need of an upstream over-current protection device
- NEMA LS1 compliance – single pulse tested at nationally recognized 3rd party lab
- Includes UL 1283 listed standard EMI/RFI filter
- All modes of protection (L-N, L-G, N-G & L-L)
- Standard monitoring includes Form C contacts and audible alarm with silence button
- DTS-2 compatible for “pro-active” testing
- Ultra compact steel NEMA 4 enclosure makes installation flexible
- 7-Year standard product warranty

MODEL NUMBER SCHEME

E.g. MODEL # **CG80 - 120/208-3GY**

A **B**

A – SURGE RATING (Must Choose One)

40	40kA per mode
60	60kA per mode
80	80kA per mode

B – VOLTAGE (Must Choose One)

120/240-2G	120/240V, 1-Phase, 3-Wire + Ground
120/208-3GY	120/208V, 3-Phase WYE, 4-Wire + Ground
220/380-3GY	220/380V, 3-Phase WYE, 4-Wire + Ground
277/480-3GY	277/480V, 3-Phase WYE, 4-Wire + Ground
347/600-3GY	347/600V, 3-Phase WYE, 4-Wire + Ground
120/240-3GHD	120/240V, 3-Phase High-Leg DELTA, 4-Wire + Ground (B Phase must be 208V)
240-3DG	240V, 3-Phase DELTA, 3-Wire + Ground
380-3DG	380V, 3-Phase DELTA, 3-Wire + Ground
480-3DG	480V, 3-Phase DELTA, 3-Wire + Ground
600-3DG	600V, 3-Phase DELTA, 3-Wire + Ground

STAND-ALONE OPTIONS (To Be Ordered As A Separate Item)

DTS	DTS-2 Diagnostic Test Set
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PRODUCT SPECIFICATIONS

General Specifications

Maximum Surge Current Rating:	80kA per mode; 160kA per phase
Repetitive Surge Current Rating:	4,000 impulses per mode based on actual test data (using ANSI/IEEE C62.41.1-2002 C3 combo. wave)
Product Design:	Hybrid panel design with surge rated fuse and UL 1283 listed EMI/RFI filter
Application:	ANSI/IEEE C62.41.1 Locations C, B & A Ideal for distribution panels, motor control centers, branch panels and critical loads
Regulatory Listing:	UL 1449 Second Edition; cUL UL 1283
Standard Warranty:	7-Year

Electrical Specifications

Operating Frequency:	47-63 Hz
Connection Method:	Parallel to electrical distribution system
Modes of Protection:	Discrete protection (L-N, L-G, N-G, & L-L)
Fault Rating (SCCR):	200kAIC – no upstream over-current protection device (breaker or fuse) required
Response Time:	Less than 0.5 nanoseconds
Standard Monitoring:	Status indicator lights (one per phase) Service indicator light Form C contacts (NO/NC) Audible alarm with silence button

EMI / RFI Filter Attenuation – Mil Standard 220B

1kHz	10kHz	100kHz	1MHz	10MHz	100MHz	Max. Attenuation Freq.
1 dB	14 dB	32 dB	14 dB	5 dB	1 dB	33 dB @ 106kHz

