MCG Surge

MODEL: **400 Series**

Equipment Level AC Surge Protection

The 400 Series installed at or within a piece of equipment (PLCs, fire alarm monitoring systems, security controls, etc.) provides compact, heavy-duty surge suppression. Now with touch-safe terminal blocks, the units offer an elevated level of personnel protection. Employing a sophisticated combination of brute force surge protection and EMI/RFI filtering, they will prevent damage or malfunction to sensitive equipment.

Standout Feature: OEM Protection

20-Year Warranty

UL 1449 5th Ed.
Recognized Component

Filter Attentuation (50 ohm)	407	415	416	417
-20db	30 kHz	30 kHz	30 kHz	30 kHz
-40db	300 kHz	300 kHz	300 kHz	260 kHz
-60db	1.4 MHz	1.4 MHz	1.0 MHz	700 kHz

400 Series	407*	415*	416*	417*
Rated Voltage (50/50Hz)	120VAC	120VAC	120VAC	240VAC
Rated Current (rms.) @ 25ºC	15A	15A	23A	23A
Service (Phase)	1	1	1	1
Stage Current in kA (8/20µs)	10	10	10	10
Clamp Voltage (1mA DC)	270V	270V	270V	500V
UL1449 5th Ed. MLV** (L-N)	480V	480V	480V	890V
UL1449 5th Ed. MLV** (L-G)	540V	590V	590V	1080V
UL1449 5th Ed. MLV** (N-G)	540V	590V	590V	1090V
Surge Energy (Joules) 8/20µs	1460	1140	1140	2300

SPD Type: Type 5 component assembly
In: 3kA
Max. Continuous Operating VAC (MCOV): 115% Rated Line Voltage
Varistor MCOV: 150% (407/415/416); 130% (417) Rated Line Voltage
SCCR: 5kA AIC (with external encl. and OCP)
Response Time: <5 Nanoseconds
Modes of Protection: L-N, L-G, N-G
Surge Current (L-N, 8/20µs): 1 Event: 10kA, 100 Events: 2kA, 1000 Events: 1kA, 10,000 Events: 500A
Status Indicators: Green LED
Wire Gauge Range: 26-10 AWG (0.13-5.27mm squared)
Operating Altitude: 13,000 ft. (4000m)
Temp. (Operating/Storage): -40º to +70ºC/-40º to +85ºC
Enclosure: High Impact Plastic
Dimensions: 4.95" x 2.85" x 1.25" (126 x 73 x 32mm)
Mounting: 4.20" x 2.25"/.185 ID - 4 holes (107 x 57mm/4.7mm)
Connection: Screw Clamp Terminal Blocks
Screw Torque Max. Weight: 5.3in. lbs./0.6Nm
UL File Number: <1 lb., (.45kg)
Certification: E322161
UL1449 5th Ed. Recognized Component
RoHS Compliant, "-RHS" models only

Made in the USA
CE · RU

Note: For DIN-rail mount unit, add "-DIN" to model name i.e. 415-DIN
For RoHS compliant unit, add "-RHS" to model name i.e. 415-RHS-DIN

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