

Technical Specification

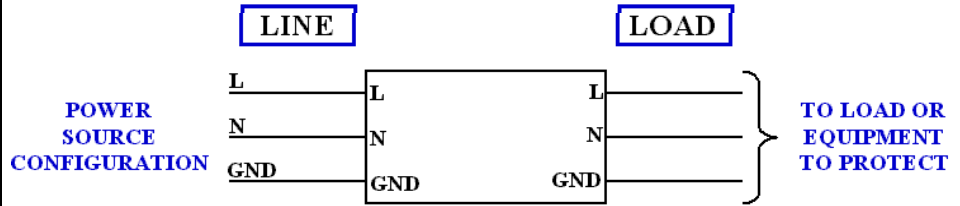
Islatrol
IC+ Series

IC+102



Islatrol® Plus
ACTIVE TRACKING + FILTER

CONNECTION DIAGRAM



The Islatrol Plus is a series connected high-frequency noise filter with transient protection. The Islatrol Plus units offer the flexibility of either receptacle/line cord connection or hard-wired connection to critical loads up to 30 Amperes. Applications include industrial or office equipment, computers placed in harsh environments, etc.

Nominal Operating Voltage	120 VAC, Single Phase
Operating Voltage Range	120 VAC +/- 25%
Operating Frequency Range	47 - 63 Hz
Rated Output (Amps)	2.5 Amperes
ANSI/IEEE C62.41 Category	Category A & B
Connection Type	Series Connected, Terminals #22 – #12
Phase Configuration	2 Wire + Gnd
Size	4 x 2.88 x 1.81 (Inches)
Enclosure	High Impact Plastic
Weight	1.0 lbs. (0.45 kgs.)
Modes Of Protection	L - N, L - G, N - G
Indication of Suppression Status	Green LED Power Indication
Response Time	< .5 ns Normal mode
Operating Temperature	-40°C TO 45°C
Operating Humidity	0% TO 95% Non-condensing
Certifications	UL 1283, CUL
Warranty	10 Year

Maximum Continuous Operating Voltage (MCOV)

Line to Neutral	150 VAC
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Peak Surge Current Capability (8 x 20µs)

Line to Neutral	15,000 Amps
Line to Ground	15,000 Amps
Neutral to Ground	15,000 Amps
Total	45,000 Amps

Load Surge Current Rating

10 MSEC	5 x Nominal
1 SEC	3 x Nominal
10 SEC	2 x Nominal

ANSI/IEEE C62.41 Cat A Ringwave (6 kV, 200A, 100 kHz)

Normal Mode	1.0 V
Common Mode	302 V

ANSI/IEEE C62.41 Cat B Ringwave (6 kV, 500A, 100 kHz)

Normal Mode	178 V
Common Mode	302 V

Frequency Response

Normal Mode	60 dB minimum, forward/reverse, 100 kHz to 50 MHz
Common Mode	60 dB minimum, forward/reverse, 5 MHz to 50 MHz