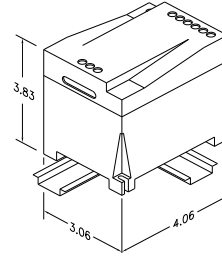
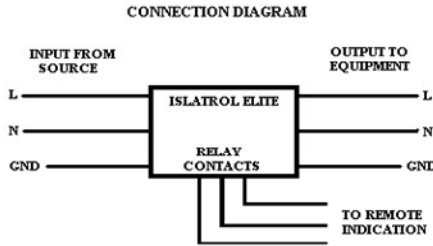


Technical Specification

Islatrol
IE Series

IE-103



The Islatrol Elite is a series connected high-frequency noise filter with built in high-energy transient protection. The IE-103 is a hard-wired device used to protect 120 volt critical loads up to 3 amps. Din rail mounting bracket makes the Islatrol Elite ideal for control panel applications.

Nominal Operating Voltage	120 VAC, Single Phase
Operating Voltage Range	120 VAC +/- 25%
Operating Frequency Range	47 - 63 Hz
Rated Output (Amps)	3.0 Amperes
ANSI/IEEE C62.41 Category	Category A & B
SPD Location Type	Type 4
Nominal Discharge Current (I _N)	3kA
Connection/Mounting Type	Series Terminal (Finger Safe) / Din or Flange
Phase Configuration	2 Wire + Gnd
Size	4.06 x 3.06 x 3.83 in. Max
Enclosure	High Impact Plastic
Weight	<3 lbs.
Modes Of Protection	L - N, L - G, N - G
Indication of Suppression Status	Green LED, Form C Contacts
Response Time	< .5 ns Normal mode
Operating Temperature	-40°C TO 45°C
Operating Humidity	0% TO 95% Non-condensing
Certifications	UL 1283, UL 1449 Third Edition (2009), CUL, CE, ROHS
Warranty	10 Year
Maximum Continuous Operating Voltage (MCOV)	
Line to Neutral	150 VRMS
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	300 V
ANSI/IEEE C62.41 Cat B Ringwave (6 kV, 500A, 100 kHz)	
Normal Mode	178 V
Common Mode	300 V
Frequency Response	
Normal Mode (Forward-Reverse)	100 kHz to 50 MHz – 60 dB Min
Common Mode (Forward-Reverse)	5 MHz to 50 MHz – 60 dB Min

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