CONTROL CONCEPTS



Series-connected DIN/flange mount high-frequency noise filter/surge suppressor. Ideal applications include critical industrial loads drawing up to 20 amps of continuous current. Typical applications include any microprocessor-based products, including industrial PLCs, OEM applications, and motion control systems.

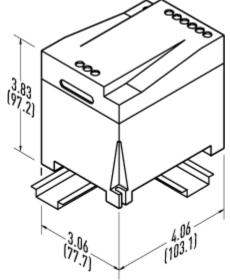
FEATURES

- Multi-staged design, combining a unique hybrid clamping network with the Active Tracking Technology of the Islatrol® family
- Surge current capacity—45,000 Amps
- Transient protection in all modes: line to neutral, line to ground, and neutral to ground
- LED status indication and form C contact for remote indication
- DIN mountable enclosure
- UL 1449, 1283, CUL recognized, CE
- 10-year warranty

GENERAL TECHNICAL SPECIFICATIONS

PERFORMANCE TECHNICAL SPECIFICATIONS

мсоу		UL 1449 Classification	
120 Volt	150 VRMS	120V Normal Mode	330 Volts
240 Volt	275 VRMS	120V Common Mode	400 Volts
Line Frequency	47–63 Hz	240V Normal Mode	600 Volts
Connection	Terminal	240V Common Mode	800 Volts
Mounting Type	DIN/Flange	Peak Surge Current Capability (8	x 20 μs)
Weight	< 3 lbs	Line to Neutral	15,000 Amps
Response Time		Line to Ground	15,000 Amps
Normal Mode	< 0.5 ns	Neutral to Ground	15,000 Amps
Common Mode	< 5 ns	Total	45,000 Amps
Operating	-40° C to $+45^{\circ}$ C	Frequency Response (Forward-Re	verse)
Temperature Derate Linearly to 60% at +70°C		Normal Mode	10 kHz to 50 MHz— 90 dB Min
Operating Humidity	0% to 95%	Common Mode	5 MHz to 50 MHz— 60 dB Min
		Typical Category A Ringwave (6 kV, 200A, 100 kHz)	
		Normal Mode/Common Mode	
		3 Amp	1V / 300V
		5 Amp	0.7V / 292V



Metric Dimensions in mm

eurc	Dimen	210112	ш	
(shov	vn in pa	arenth	ese	s)

10 Amp	0.7V / 300V
20 Amp	0.7V / 300V
Typical Category B Ringwave (6 kV, 500A, 100 kHz)	
Normal Mode/Common Mode	
3 Amp	178V / 300V
5 Amp	162V / 291V
10 Amp	153V / 300V
20 Amp	200V / 300V

Voltage*	Continuous Current	Model		
120V	3 Amps	IE-103		
120V	5 Amps	IE-105		
120V	10 Amps	IE-110		
120V	20 Amps	IE-120		
240V	3 Amps	IE-203		
240V	5 Amps	IE-205		
240V	10 Amps	IE-210		
240V	20 Amps	IE-220		
* All voltage configurations are single phase—2 wire + gnd.				

CONNECTION DIAGRAM

ORDERING INFORMATION

