## 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 ${ }^{\circledR}$ 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

| MCOV |  |
| :---: | :---: |
| 120 Volt | 150 VRMS |
| 240 Volt | 275 VRMS |
| Line Frequency | $47-63 \mathrm{~Hz}$ |
| Connection | Terminal |
| Mounting Type | DIN/Flange |
| Weight | < 3 lbs |
| Response Time |  |
| Normal Mode | $<0.5 \mathrm{~ns}$ |
| Common Mode | $<5 \mathrm{~ns}$ |
| Operating Temperature | C to $+45{ }^{\circ} \mathrm{C}$ |
| Derate Linearly to 60\% at $+70{ }^{\circ} \mathrm{C}$ |  |
| Operating Humidity | 0\% to 95\% |

PERFORMANCE TECHNICAL SPECIFICATIONS



| 10 Amp | $0.7 \mathrm{~V} / 300 \mathrm{~V}$ |
| :--- | :--- |
| 20 Amp | $0.7 \mathrm{~V} / 300 \mathrm{~V}$ |

Typical Category B Ringwave ( 6 kV, 500A, 100 kHz)
Normal Mode/Common Mode

| 3 Amp | $178 \mathrm{~V} / 300 \mathrm{~V}$ |
| :--- | :--- |
| 5 Amp | $162 \mathrm{~V} / 291 \mathrm{~V}$ |
| 10 Amp | $153 \mathrm{~V} / 300 \mathrm{~V}$ |
| 20 Amp | $200 \mathrm{~V} / 300 \mathrm{~V}$ |

## Metric Dimensions in mm

(shown in parentheses)

## ORDERING INFORMATION

| Voltage* | Continuous Current | Model |
| :---: | :---: | :---: |
| 120 V | 3 Amps | IE-103 |
| 120 V | 5 Amps | IE-105 |
| 120 V | 10 Amps | $\mathrm{IE}-110$ |
| 120 V | 20 Amps | $\mathrm{IE}-120$ |
| 240 V | 3 Amps | $\mathrm{IE}-203$ |
| 240 V | 5 Amps | $\mathrm{IE}-205$ |
| 240 V | 10 Amps | IE-210 |
| 240 V | 20 Amps | IE-220 |

CONNECTION DIAGRAM
ISLATROL ${ }^{\oplus}$ ELITE
ACTIVE TRACKING ${ }^{\text {º }}$ FILTER
LINE INPUT
FROM SOURCE


T0
REMOTE INDICATION
IF NEEDED

