

# PE1 Series



## Features:

- RFI Filter Module Combines IEC Connector, Fusing, Optional Voltage Select and On/Off Switch into a Single, Space-Efficient Assembly
- Enhanced Low Frequency Response with No Resonant Peaks
- Fully Shielded for Radiative Noise Control
- Accepts Either U.S. or European Standard Fuse Sizes. Dual or Single Power Line Fusing

## Specifications:

**Rated Voltage:** 250VAC Maximum - 50/60 Hz

**Rated Current:** 115VAC 250VAC  
10A 10A

**Current Overload:** 6X for 8 seconds

### Hi-Pot Test (1 min):

Line to Ground 1500VAC  
Line to Line 2250VDC

**Insulation Resistance:**  $9 \times 10^9 \Omega$  at 100VDC

**Ambient Temperature:** 40°C Max at rated current

**Humidity Range:** 0% to 95% R.H.

### Termination:

- QC – Quick Connect
- IEC Receptacle

### Maximum Leakage Current:

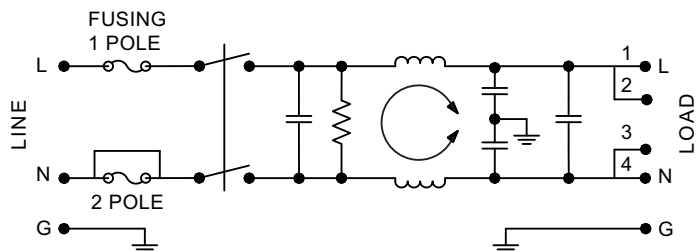
| Each Line to Ground | PE1    | PE1-PO |
|---------------------|--------|--------|
| 115VAC, 60Hz:       | 0.25mA | 0.4mA  |
| 250VAC, 50Hz:       | 0.40mA | .75mA  |

**Voltage Select Card:** Installed in 120VAC position unless otherwise specified

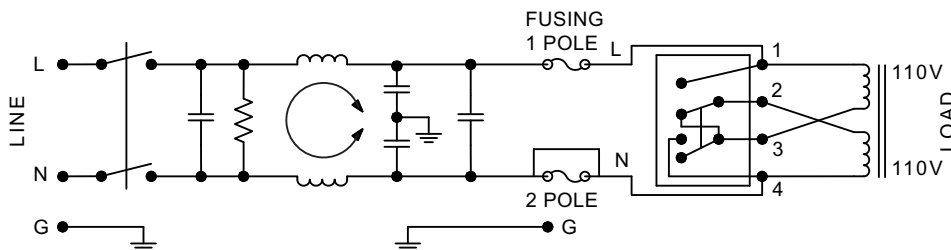
### Agency Approvals:



**PE1 Series Simplified Schematic without Voltage Selector**



**PE1 Series Simplified Schematic with Voltage Selector**



| Nominal Current Rating | Part Number | Termination Line/Load | MINIMUM INSERTION LOSS - dB (50 ohm Circuit) |                 |     |     |     |     |    |    |
|------------------------|-------------|-----------------------|----------------------------------------------|-----------------|-----|-----|-----|-----|----|----|
|                        |             |                       | MODE                                         | Frequency - MHz |     |     |     |     |    |    |
| 10A                    | PE1XXX10    | IEC/QC                | Common                                       | .05             | .15 | .50 | .10 | 5.0 | 10 | 30 |
|                        |             |                       |                                              | 10              | 20  | 30  | 38  | 45  | 50 | 50 |
|                        | PE1XXXP0    | IEC/QC                | Differential                                 | 10              | 20  | 30  | 35  | 55  | 60 | 55 |
|                        |             |                       |                                              | 13              | 24  | 33  | 38  | 48  | 54 | 54 |

NOTE: Other combinations of terminals may be specified on special order.



*Refer to Standard  
Mounting Cutouts on  
Page 58*

