

# PE7/PE8 Series

Combination



## Specifications:

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

**Rated Current:** 115VAC 250VAC  
3A 3A  
6A 6A

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

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

Line to Ground 1500VAC  
Line to Line 1768VDC

**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:**

- IEC Receptacle
- Wire Wrap/Solder

**Maximum Leakage Current:**

Each Line to Ground **PE7, PE 8**  
115VAC, 60Hz: 0.25mA  
250VAC, 50Hz: 0.40mA

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

**Agency Approvals:**

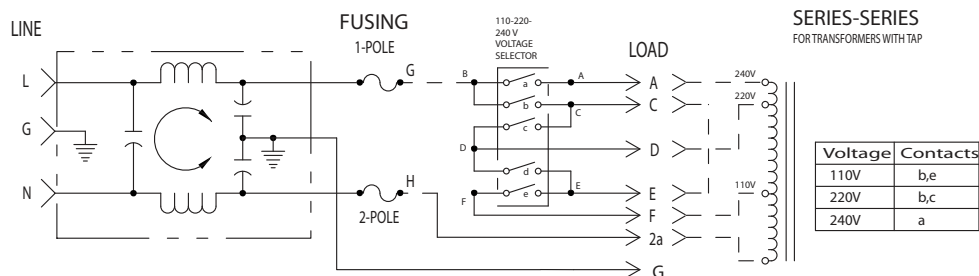


Refer to Page 55 for Ordering Instructions

## Features:

- RFI Filter Module Combines IEC Connector, Fusing, and Voltage Select Features in One Unit
- PE7 Series Filters Provide 20% More Differential Mode Attenuation Than Comparable Units
- Accepts Either U.S. or European Standard Fuse Sizes

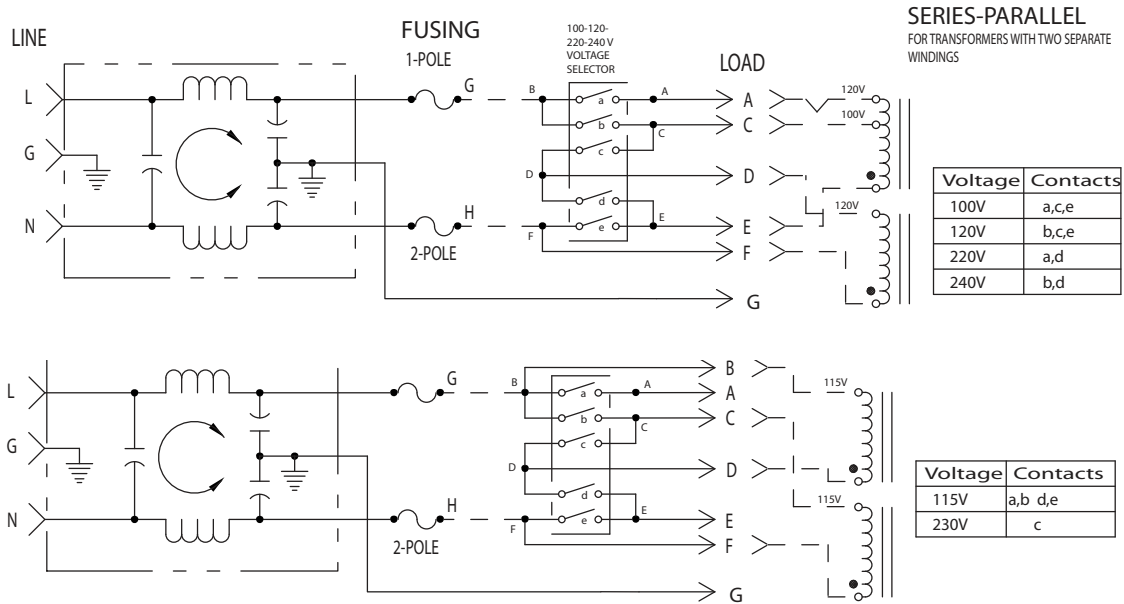
## PE7 Series Simplified Schematic



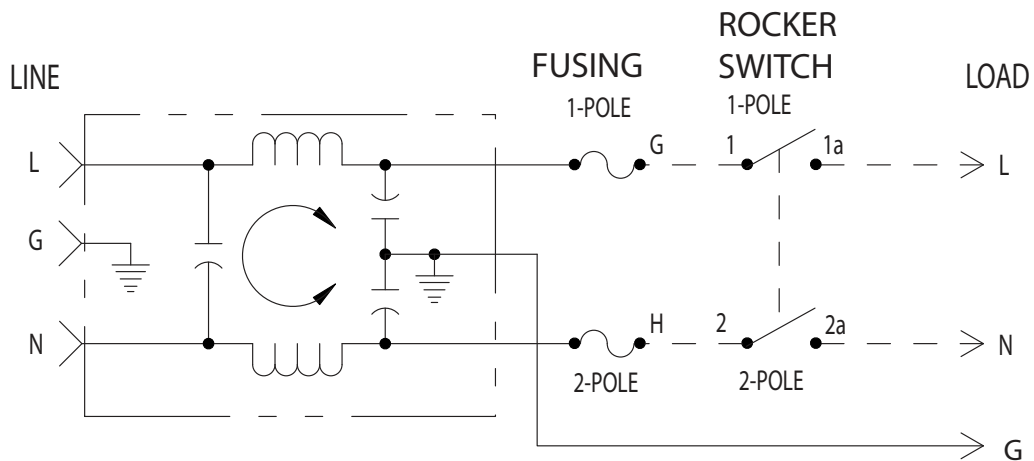
| Nominal Current Rating | Part Number | Termination Line/Load | MINIMUM INSERTION LOSS - dB (50 ohm Circuit) |                 |     |     |     |    |    |
|------------------------|-------------|-----------------------|----------------------------------------------|-----------------|-----|-----|-----|----|----|
|                        |             |                       | MODE                                         | Frequency - MHz |     |     |     |    |    |
|                        |             |                       |                                              | .15             | .50 | 1.0 | 5.0 | 10 | 30 |
| 3A                     | PE7XXX03    | IEC/Solder Tabs       | Common                                       | 18              | 24  | 30  | 45  | 45 | 50 |
|                        | PE8XXX03    |                       | Differential                                 | 8               | 18  | 24  | 46  | 50 | 40 |
| 6A                     | PE7XXX06    | IEC/Solder Tabs       | Common                                       | 10              | 19  | 24  | 39  | 44 | 50 |
|                        | PE8XXX06    |                       | Differential                                 | 8               | 18  | 24  | 39  | 40 | 40 |



## PE7 Series Simplified Schematic



## PE8 Series Simplified Schematic



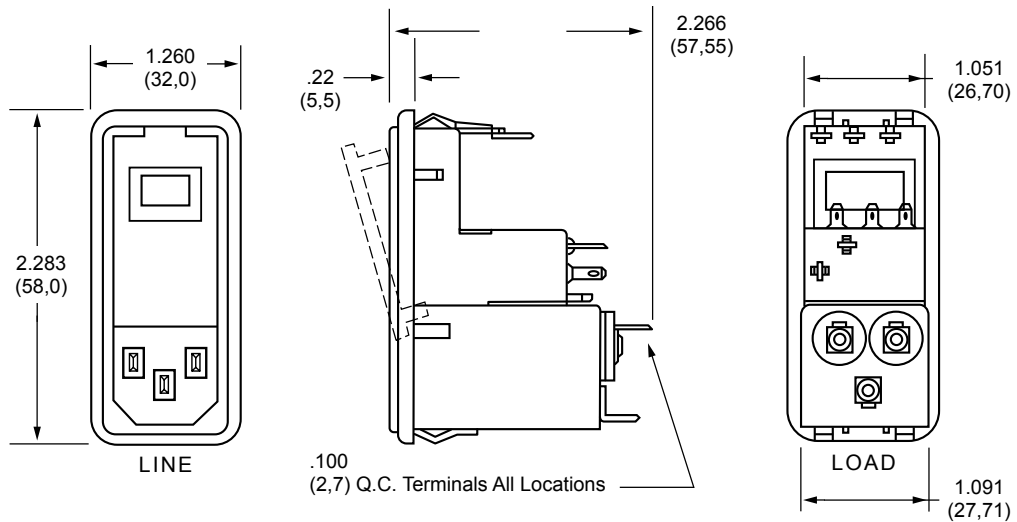
# PE7/PE8 Series *(continued)*

## PE7/PE8

### Snap-Mount Series

(3 and 6Amp) Dimensions

Refer to Page 55  
for Standard  
Mounting Cutouts

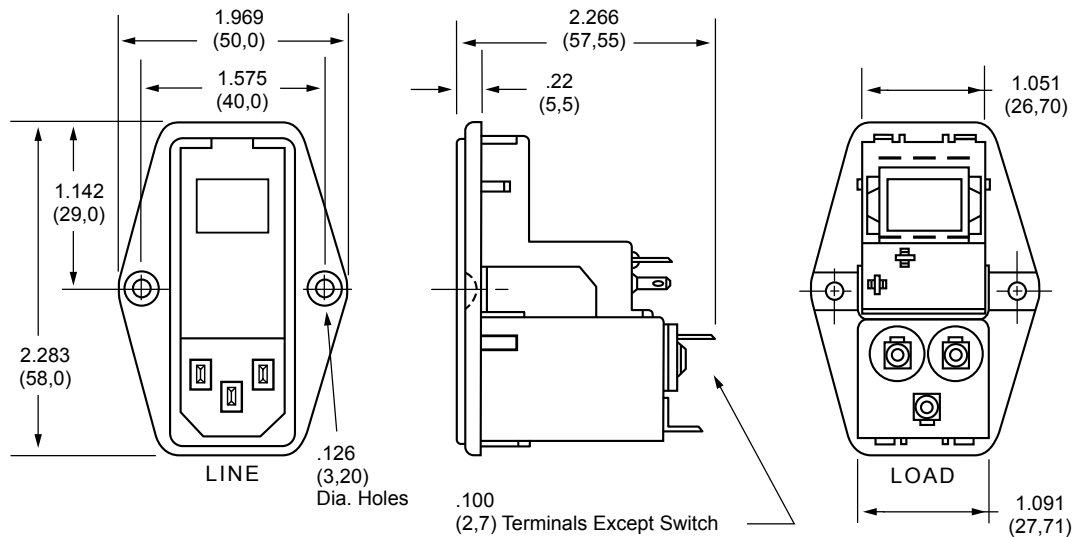


## PE7/PE8

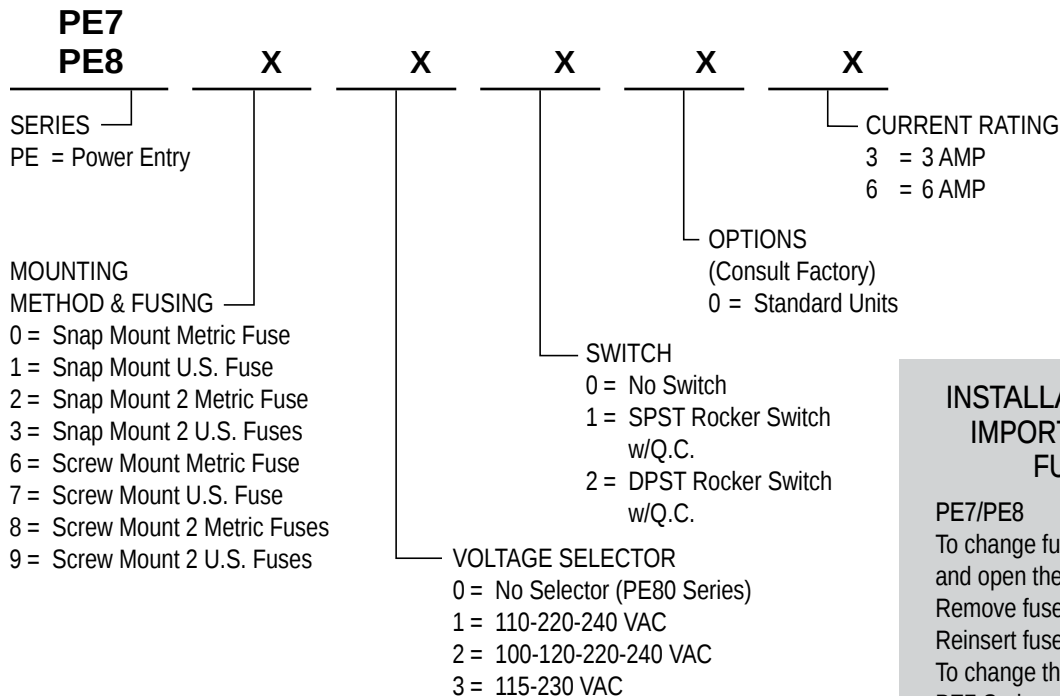
### Screw-Mount Series

(3 and 6Amp) Dimensions

Refer to Page 55  
for Standard  
Mounting Cutouts



## How to Order



### INSTALLATION INSTRUCTION IMPORTANT – CHANGING FUSE/VOLTAGE

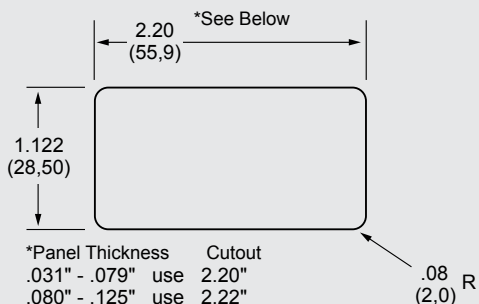
#### PE7/PE8

To change fuse, remove power cord and open the front cover on the module. Remove fuse holder and replace fuse. Reinsert fuse holder and close cover. To change the operating voltage on the PE7 Series, remove the power cord and open front cover. Rotate voltage select wheel until desired voltage appears in window of cover.

- Filter shipped without fuse.

Always use caution when selecting and changing fuses and voltage requirements. Curtis Industries is not responsible for malfunction due to improper installation/selection of fuse and/or voltage select.

### PE7/PE8 Snap-Mount Series



### PE7/PE8 Screw Mount Series

