

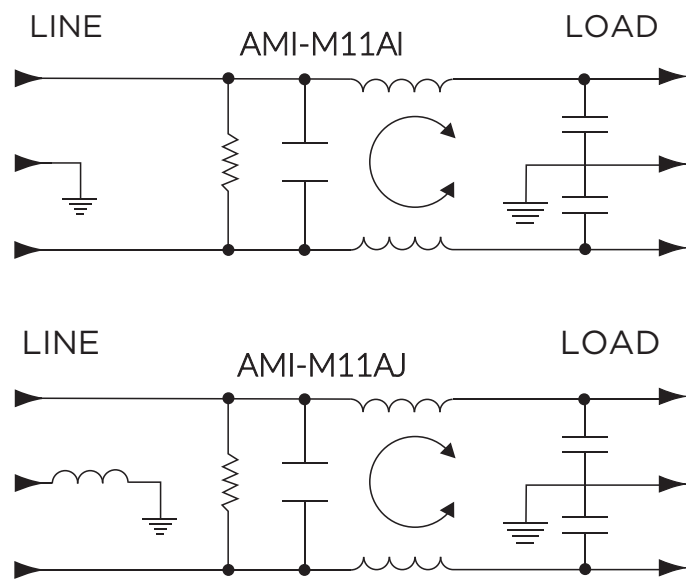
Features

- General purpose filtering
- Choice of Earth Line Choke
- Rated up to 15A
- Choice of termination

Applications

- Electrical and Electronic equipment
- Consumer goods
- Home appliances
- Office equipment

Typical Circuit Diagram



Approvals & Compliances



UL Approved

Technical Specifications

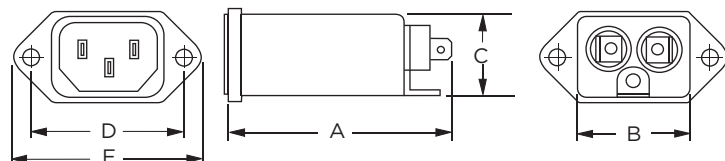
|                                      |                                                    |
|--------------------------------------|----------------------------------------------------|
| Maximum Continuous Operating Voltage | 250 VAC Max                                        |
| Operating Frequency                  | 50/60Hz                                            |
| Rated Current                        | 1 to 15A @40°C                                     |
| Temperature range                    | -10°C to +40°C                                     |
| High Potential Test Voltage          | Line to Ground: 2250 VDC<br>Line to Line: 1450 VDC |

## Selection Table

| AMI Designation   | Input/output Style     |                          |      |            | Current Rating | Inductance | Capacitance |      | Resistor | Leakage Current@<br>120VAC<br>60Hz/250<br>VAC 50 Hz | TIL<br>Insertion<br>Loss | Case<br>Style |
|-------------------|------------------------|--------------------------|------|------------|----------------|------------|-------------|------|----------|-----------------------------------------------------|--------------------------|---------------|
|                   |                        |                          |      |            |                |            | mH          | Cx   |          |                                                     |                          |               |
|                   | Available Part Numbers | 0.250 Spade<br>Terminals |      | Wire Leads |                | nF         | pF          | mA   |          |                                                     |                          |               |
| Back              |                        | Bottom                   | Back | Bottom     |                |            |             |      |          |                                                     |                          |               |
| AMI-M11AI-1-1-B   | 1                      |                          |      |            |                | 1          | 1.86        | 9    | 2800     | 1500                                                |                          |               |
| AMI-M11AI-1A-1-B  |                        | 1A                       |      |            | 1              | 1.86       | 9           | 2800 | 1500     | 0.21/0.36                                           | 001                      | B             |
| AMI-M11AI-4-1-B   |                        |                          |      | 4          | 1              | 1.86       | 9           | 2800 | 1500     | 0.21/0.36                                           | 001                      | C             |
| AMI-M11AI-8-1-B   |                        |                          | 8    |            | 1              | 1.86       | 9           | 2800 | 1500     | 0.21/0.36                                           | 001                      | D             |
| AMI-M11AI-1-3-B   | 1                      |                          |      |            | 3              | 1          | 9           | 2800 | 1500     | 0.21/0.36                                           | 002                      | A             |
| AMI-M11AI-1A-3-B  |                        | 1A                       |      |            | 3              | 1          | 9           | 2800 | 1500     | 0.21/0.36                                           | 002                      | B             |
| AMI-M11AI-4-3-B   |                        |                          |      | 4          | 3              | 1          | 9           | 2800 | 1500     | 0.21/0.36                                           | 002                      | C             |
| AMI-M11AI-8-3-B   |                        |                          | 8    |            | 3              | 1          | 9           | 2800 | 1500     | 0.21/0.36                                           | 002                      | D             |
| AMI-M11AI-1-6-B   | 1                      |                          |      |            | 6              | 0.465      | 9           | 2800 | 1500     | 0.21/0.36                                           | 003                      | A             |
| AMI-M11AI-1A-6-B  |                        | 1A                       |      |            | 6              | 0.465      | 9           | 2800 | 1500     | 0.21/0.36                                           | 003                      | B             |
| AMI-M11AI-4-6-B   |                        |                          |      | 4          | 6              | 0.465      | 9           | 2800 | 1500     | 0.21/0.36                                           | 003                      | C             |
| AMI-M11AI-8-6-B   |                        |                          | 8    |            | 6              | 0.465      | 9           | 2800 | 1500     | 0.21/0.36                                           | 003                      | D             |
| AMI-M11AI-1-10-B  | 1                      |                          |      |            | 10             | 0.36       | 9           | 2800 | 1500     | 0.21/0.36                                           | 004                      | A             |
| AMI-M11AI-1-15-B  | 1                      |                          |      |            | 15             | 0.27       | 47          | 2800 | 1500     | 0.21/0.36                                           | 005                      | A             |
| AMI-M11AJ-1A-10-B |                        | 1A                       |      |            | 10             | 0.36       | 9           | 2800 | 1500     | 0.21/0.36                                           | 004                      | A             |

## Case Styles

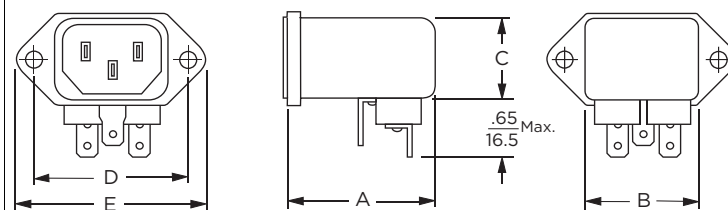
### STYLE A



#### Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14  
Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole  
Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

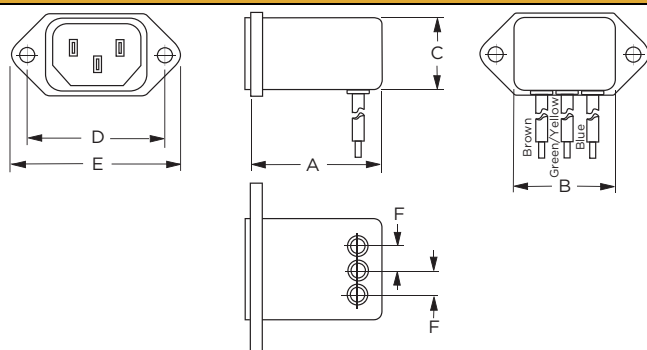
### STYLE B



#### Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14  
Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole  
Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

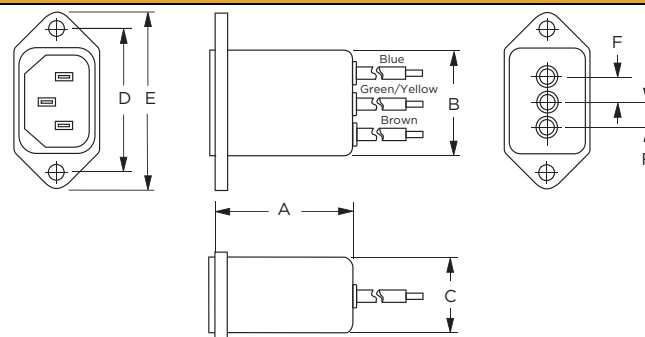
### STYLE C



#### Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14  
Wire Leads: 4.0 [101.6] Min., 18AWG, UL1015

### STYLE D



#### Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14  
Wire Leads: 4.0 [101.6] Min., 18AWG, UL1015

## Case Dimensions:

| Model Number                          | Amax         | Bmax         | Cmax         | D $\pm .15$<br>$\pm .38$ | E max        | F max        |
|---------------------------------------|--------------|--------------|--------------|--------------------------|--------------|--------------|
| AMI-M11AI-1-X-B                       | 2.21"/56.0mm | 1.19"/30.2mm | 0.81"/20.6mm | 1.575"/40.01mm           | 1.98"/50.3mm |              |
| AMI-M11AI-1A-X-B                      | 1.55"/39.4mm | 1.19"/30.2mm | 0.85"/21.6mm | 1.575"/40.01mm           | 1.98"/50.3mm |              |
| AMI-M11AI-4-X-B                       | 1.55"/39.4mm | 1.19"/30.2mm | 0.85"/21.6mm | 1.575"/40.01mm           | 1.98"/50.3mm | 0.295"/7.5mm |
| AMI-M11AI-8-X-B                       | 1.55"/39.4mm | 1.19"/30.2mm | 0.81"/20.6mm | 1.575"/40.01mm           | 1.98"/50.3mm | 0.298"/7.5mm |
| AMI-M11AI-1-10-B<br>AMI-M11AJ-1A-10-B | 2.62"/66.5mm | 1.19"/30.2mm | 0.81"/20.6mm | 1.575"/40.01mm           | 1.98"/50.3mm |              |
| AMI-M11AI-1-15-B                      | 2.62"/66.6mm | 1.19"/30.2mm | 0.81"/20.6mm | 1.575"/40.01mm           | 1.98"/50.3mm |              |

## Typical Insertion Loss

According to CISPR17 in 50  $\Omega$  system

— Common Mode / Asymmetrical (L-G)  
— Differential Mode / Symmetrical (L-L)

