

## Features

- Choice of one or two fuses
- Choice of Earth Line Choke
- Rated up to 10A
- Medical version with No Cy

## Applications

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

## Approvals & Compliances



## Technical Specifications

|                                      |  |
|--------------------------------------|--|
| Maximum Continuous Operating Voltage | 250 VAC Max  |
| Operating Frequency                  | 50/60Hz  |
| Rated Current                        | 1 to 20A @40°C                                     |
| Temperature range                    | -10°C to +40°C                                     |
| High Potential Test Voltage          | Line to Ground: 2250 VDC<br>Line to Line: 1450 VDC |

## Product Selector

**AMI-M11AQ - 1S - 1 - A**

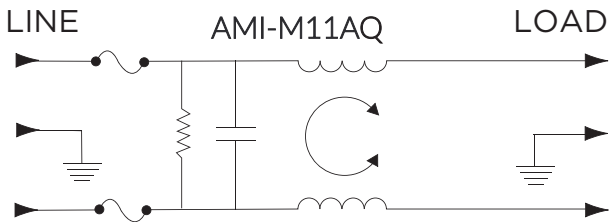
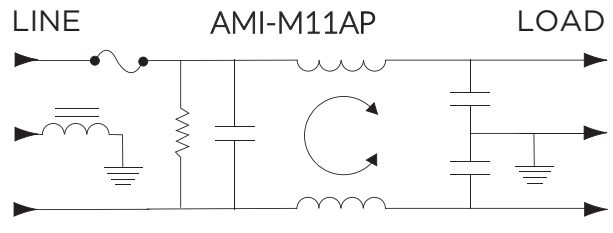
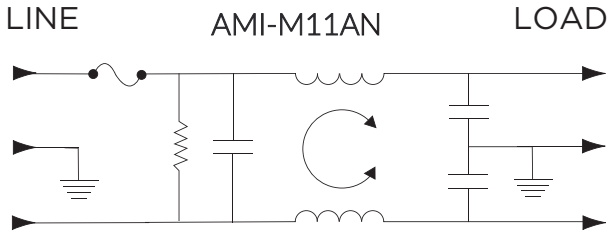
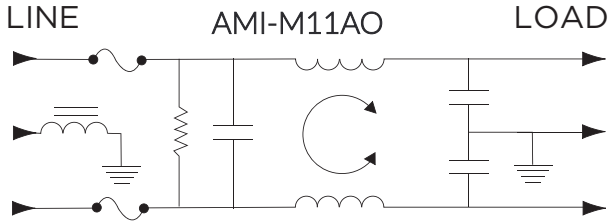
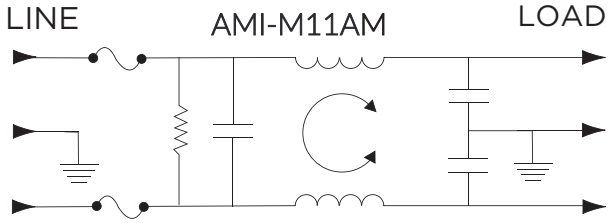
AM: Double Fuse Standard  
 AN: Single Fuse Standard  
 AO: Double Fuse Standard with Earth Line Choke  
 AP: Single Fuse Standard with Earth Line Choke  
 AQ: Double Fuse Medical

Termination and Case Style  
 1: Spade Terminals  
 8: Wire Leads  
 1S: Spade terminals/ Snap in-fit case

Rated Current (Amps): 1, 3, 6, 10

A: No Cy Capacitors to Ground  
 B: 2 x 1500pF Cy Capacitors to Ground

Typical Circuit Diagram



## Selection Table

| AMI Designation        | Input/output Style<br>IEC Socket |               | Current Rating | Inductance | Capacitance     |      | Resistor | Leakage Current@<br>120VAC<br>60Hz/250<br>VAC 50 Hz | TIL<br>Insertion<br>Loss | Case<br>Style |
|------------------------|----------------------------------|---------------|----------------|------------|-----------------|------|----------|---|--------------------------|---------------|
|                        |                                  |               |                |            | Cx              | Cy   |          |   |                          |               |
| Available Part Numbers | Spade<br>Terminals               | Wire<br>Leads | A              | mH         | nF              | pF   | KO       | mA  |                          |               |
|                        |                                  |               |                |            | AMI-M11AM-1-1-B | 1    |          |   |                          |               |
| AMI-M11AM-8-1-B        |                                  | 8             | 1              | 10         | 100             | 3000 | 1500     | 0.25/0.42   | 001                      | C             |
| AMI-M11AM-1S-1-B       | 1S                               |               | 1              | 10         | 100             | 3000 | 1500     | 0.25/0.42   | 001                      | B             |
| AMI-M11AM-1-3-B        | 1                                |               | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 002                      | A             |
| AMI-M11AM-8-3-B        |                                  | 8             | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 002                      | C             |
| AMI-M11AM-1S-3-B       | 1S                               |               | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 002                      | B             |
| AMI-M11AM-1-6-B        | 1                                |               | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 003                      | A             |
| AMI-M11AM-8-6-B        |                                  | 8             | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 003                      | C             |
| AMI-M11AM-1S-6-B       | 1S                               |               | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 003                      | B             |
| AMI-M11AM-8-6-B        |                                  | 8             | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 003                      | C             |
| AMI-M11AM-1-10-B       | 1                                |               | 10             | 0.27       | 100             | 3000 | 1500     | 0.25/0.42   | 004                      | A             |
| AMI-M11AM-8-10-B       |                                  | 8             | 10             | 0.27       | 100             | 3000 | 1500     | 0.25/0.42   | 004                      | C             |
| AMI-M11AM-8-10-B       |                                  | 8             | 10             | 0.27       | 100             | 3000 | 1500     | 0.25/0.42   | 004                      | C             |
| AMI-M11AM-1S-10-B      | 1S                               |               | 10             | 0.27       | 100             | 3000 | 1500     | 0.25/0.42   | 004                      | B             |
| AMI-M11AN-8-1-B        |                                  | 8             | 1              | 10         | 100             | 3000 | 1500     | 0.25/0.42   | 001                      | C             |
| AMI-M11AN-1-1-B        | 1                                |               | 1              | 10         | 100             | 3000 | 1500     | 0.25/0.42   | 001                      | A             |
| AMI-M11AN-1S-1-B       | 1S                               |               | 1              | 10         | 100             | 3000 | 1500     | 0.25/0.42   | 001                      | B             |
| AMI-M11AN-8-3-B        |                                  | 8             | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 002                      | C             |
| AMI-M11AN-1-3-B        | 1                                |               | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 002                      | A             |
| AMI-M11AN-1S-3-B       | 1S                               |               | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 002                      | B             |
| AMI-M11AN-1-6-B        | 1                                |               | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 003                      | A             |

## Selection Table

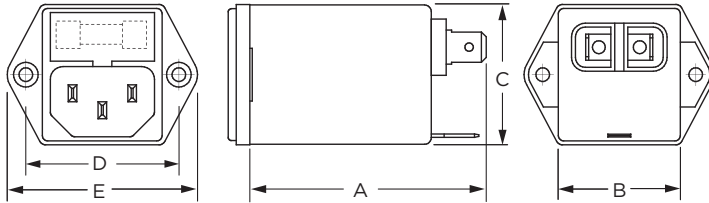
| AMI Designation        | Input/output Style<br>IEC Socket |               | Current Rating | Inductance | Capacitance      |      | Resistor | Leakage Current@<br>120VAC<br>60Hz/250<br>VAC 50 Hz | TIL<br>Insertion<br>Loss | Case<br>Style |
|------------------------|----------------------------------|---------------|----------------|------------|------------------|------|----------|---|--------------------------|---------------|
|                        |                                  |               |                |            | Cx               | Cy   |          |   |                          |               |
| Available Part Numbers | Spade<br>Terminals               | Wire<br>Leads | A              | mH         | nF               | pF   | KO       | mA  |                          |               |
|                        |                                  |               |                |            | AMI-M11AN-1S-6-B | 1S   |          |   |                          |               |
| AMI-M11AN-1-10-B       | 1                                |               | 10             | 0.27       | 100              | 3000 | 1500     | 0.25/0.42   | 004                      | A             |
| AMI-M11AN-1S-10-B      | 1S                               |               | 10             | 0.27       | 100              | 3000 | 1500     | 0.25/0.42   | 004                      | B             |
| AMI-M11AQ-1-1-A        | 1                                |               | 1              | 10         | 100              | 0    | 1500     | 0.002/0.005   | 007                      | A             |
| AMI-M11AQ-8-1-A        |                                  | 8             | 1              | 10         | 100              | 0    | 1500     | 0.002/0.005   | 007                      | C             |
| AMI-M11AQ-1S-1-A       | 1S                               |               | 1              | 10         | 100              | 0    | 1500     | 0.002/0.005   | 007                      | B             |
| AMI-M11AQ-1-3-A        | 1                                |               | 3              | 2          | 100              | 0    | 1500     | 0.002/0.005   | 008                      | A             |
| AMI-M11AQ-8-3-A        |                                  | 8             | 3              | 2          | 100              | 0    | 1500     | 0.002/0.005   | 008                      | C             |
| AMI-M11AQ-1S-3-A       | 1S                               |               | 3              | 2          | 100              | 0    | 1500     | 0.002/0.005   | 008                      | B             |
| AMI-M11AQ-1-6-A        | 1                                |               | 6              | 0.93       | 100              | 0    | 1500     | 0.002/0.005   | 009                      | A             |
| AMI-M11AQ-8-6-A        |                                  | 8             | 6              | 0.93       | 100              | 0    | 1500     | 0.002/0.005   | 009                      | C             |
| AMI-M11AQ-1S-6-A       | 1S                               |               | 6              | 0.93       | 100              | 0    | 1500     | 0.002/0.005   | 009                      | B             |
| AMI-M11AQ-1-10-A       | 1                                |               | 10             | 0.27       | 100              | 0    | 1500     | 0.002/0.005   | 010                      | A             |
| AMI-M11AQ-8-10-A       |                                  | 8             | 10             | 0.27       | 100              | 0    | 1500     | 0.002/0.005   | 010                      | C             |
| AMI-M11AQ-1S-10-A      | 1S                               |               | 10             | 0.27       | 100              | 0    | 1500     | 0.002/0.005   | 010                      | B             |

## Selection Table

| AMI Designation        | Input/output Style<br>IEC Socket |               | Current Rating | Inductance | Capacitance     |      | Resistor | Leakage Current@<br>120VAC<br>60Hz/250<br>VAC 50 Hz | TIL<br>Insertion<br>Loss | Case<br>Style |
|------------------------|----------------------------------|---------------|----------------|------------|-----------------|------|----------|---|--------------------------|---------------|
|                        |                                  |               |                |            | Cx              | Cy   |          |   |                          |               |
| Available Part Numbers | Spade<br>Terminals               | Wire<br>Leads | A              | mH         | nF              | pF   | KO       | mA  |                          |               |
|                        |                                  |               |                |            | AMI-M11AO-1-1-B | 1    |          |   |                          |               |
| AMI-M11AO-8-1-B        |                                  | 8             | 1              | 10         | 100             | 3000 | 1500     | 0.25/0.42   |                          | C             |
| AMI-M11AO-1-3-B        | 1                                |               | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 005                      | A             |
| AMI-M11AO-8-3-B        |                                  | 8             | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 005                      | C             |
| AMI-M11AO-1-6-B        | 1                                |               | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 006                      | A             |
| AMI-M11AO-8-6-B        |                                  | 8             | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 006                      | C             |
| AMI-M11AP-1-1-B        | 1                                |               | 1              | 10         | 100             | 3000 | 1500     | .25/0.42  |                          | A             |
| AMI-M11AP-8-1-B        |                                  | 8             | 1              | 10         | 100             | 3000 | 1500     | 0.25/0.42   |                          | C             |
| AMI-M11AP-1-3-B        | 1                                |               | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 005                      | A             |
| AMI-M11AP-8-3-B        |                                  | 8             | 3              | 2          | 100             | 3000 | 1500     | 0.25/0.42   | 005                      | C             |
| AMI-M11AP-1-6-B        | 1                                |               | 6              | 0.93       | 100             | 3000 | 1500     | .25/0.42  | 006                      | A             |
| AMI-M11AP-8-6-B        |                                  | 8             | 6              | 0.93       | 100             | 3000 | 1500     | 0.25/0.42   | 006                      | C             |

## Case Styles

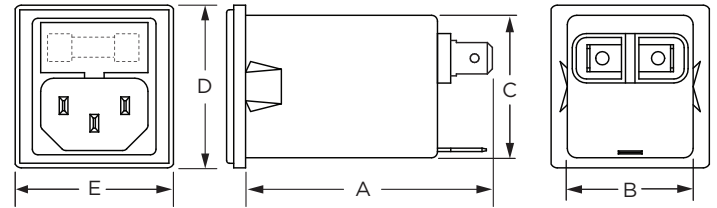
### STYLE A



Typical Dimensions:

- Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
- 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

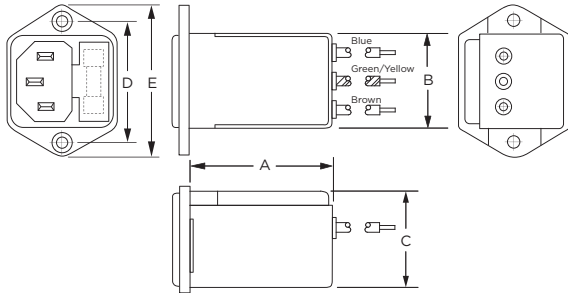
### STYLE B



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

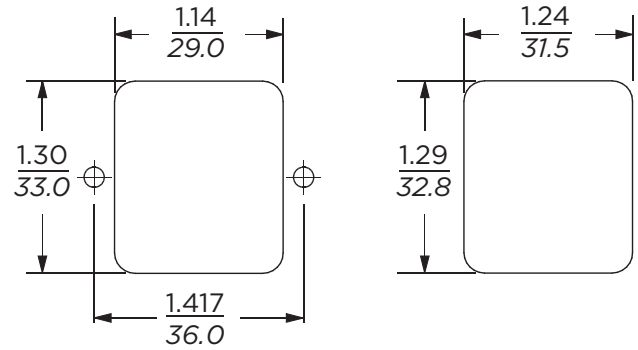
### STYLE C



Typical Dimensions:

- Mounting holes (2): .132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
- Line Inlet (1): IEC 60320-1 C14
- Wire Leads: 5.0 [127.0] Min., 18AWG, UL1015

### Recommended Panel Cutouts



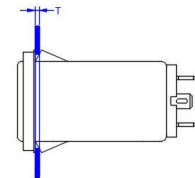
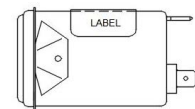
Style A / Style C

Style B

## Case Dimensions

| Model Number       | A max         | B max        | C max        | D $\frac{2-15}{2-38}$ | E max        |
|--------------------|---------------|--------------|--------------|-----------------------|--------------|
| AMI-M11AM-1-X-...  | 2.13"/54.1mm  | 1.13"/28.7mm | 1.29"/32.8mm | 1.417"/36.0mm         | 1.76"/44.7mm |
| AMI-M11AN-1-X-...  | 2.13"/54.1mm  | 1.13"/28.7mm | 1.29"/32.8mm | 1.417"/36.0mm         | 1.76"/44.7mm |
| AMI-M11AQ-1-X-...  | 2.13"/54.1mm  | 1.13"/28.7mm | 1.29"/32.8mm | 1.417"/36.0mm         | 1.76"/44.7mm |
| AMI-M11AO-1-X-B    | 2.45"/62.23mm | 1.13"/28.7mm | 1.28"/32.5mm | 1.417"/36.0mm         | 1.76"/44.7mm |
| AMI-M11AP-1-X-B    | 2.45"/62.23mm | 1.13"/28.7mm | 1.28"/32.5mm | 1.417"/36.0mm         | 1.76"/44.7mm |
| AMI-M11AM-1S-X-... | 2.13"/54.1mm  | 1.13"/28.7mm | 1.28"/32.5mm | 1.46"/37.08mm         | 1.42"/36.1mm |
| AMI-M11AN-1S-X-... | 2.13"/54.1mm  | 1.13"/28.7mm | 1.28"/32.5mm | 1.46"/37.08mm         | 1.42"/36.1mm |
| AMI-M11AQ-1S-X-... | 2.13"/54.1mm  | 1.13"/28.7mm | 1.28"/32.5mm | 1.46"/37.08mm         | 1.42"/36.1mm |
| AMI-M11AM-8-X-...  | 2.02"/51.1mm  | 1.13"/28.7mm | 1.29"/32.8mm | 1.417"/36.0mm         | 1.76"/44.7mm |
| AMI-M11AN-8-X-...  | 2.02"/51.1mm  | 1.13"/28.7mm | 1.29"/32.8mm | 1.417"/36.0mm         | 1.76"/44.7mm |
| AMI-M11AQ-8-X-...  | 2.02"/51.1mm  | 1.13"/28.7mm | 1.29"/32.8mm | 1.417"/36.0mm         | 1.76"/44.7mm |

### Recommended Panel Thickness (Style B) T = 1.2mm to 2.1mm



## Typical Insertion Loss

According to CISPR17 in 50 Ω system

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

