

## MPSI CONNEX IEC INLET FILTER, 704-4100 Series:

**704-4101-X (See Table) 1-15A, Panel Mount Screw Assy, 6.3mm\*0.8mm Faston Terminals**



IEC Inlet Filter, Panel Screw Mount - flush casing. Quick Connect with 6.3mm x 0.8mm Faston Terminals as standard.

This model is available in 1A, 3A, 6A, 10A & 15A rated options, please see version specific details and ordering codes below.

Provides effective EMI suppression of line to line & line to ground noise.

Additional Custom Options available including Medical Grade, Resistor, Choke, Solder Terminals, Wire Termination etc – please see Additional Custom Options table and part numbering for more information.

### > SAFETY APPROVALS

UL, TUV, CQC, CE Certified.

### > TECHNICAL SPECIFICATION 1A

#### CHARACTERISTICS:

- (1) VOLTAGE RATING.....115/250VAC
- (2) CURRENT RATING:
- A. @ 115VAC.....1A RMS Max.
- B. @ 250VAC.....1A RMS Max.
- (3) OPERATING FREQUENCY: 50/60Hz
- (4) LEAKAGE CURRENT: EACH LINE TO GROUND(TEMP:25°C±2°C)
- A. @ 115VAC/60Hz.....0.3mA Max.
- B. @ 250VAC/50Hz.....0.5mA Max.
- (5) HIPOT RATING(FOR ONE MINUTE)
- A. LINE TO GROUND.....2250VDC
- B. LINE TO LINE.....1450VDC
- (6) IR: 50m ohm AT 500VDC ANY INPUT OR OUTPUT TO GROUND
- (7) TEMPERATURE RANGE: -25°C~+85°C

## > TECHNICAL SPECIFICATION 3A

### CHARACTERISTICS:

- (1) VOLTAGE RATING.....115/250VAC
- (2) CURRENT RATING:
  - A. @ 115VAC.....1A RMS Max.
  - B. @ 250VAC.....1A RMS Max.
- (3) OPERATING FREQUENCY: 50/60Hz
- (4) LEAKAGE CURRENT: EACH LINE TO GROUND(TEMP:25°C±2°C)
  - A. @ 115VAC/60Hz.....0.3mA Max.
  - B. @ 250VAC/50Hz.....0.5mA Max.
- (5) HIPOT RATING(FOR ONE MINUTE)
  - A. LINE TO GROUND.....2250VDC
  - B. LINE TO LINE.....1450VDC
- (6) IR: 50M ohm AT 500VDC ANY INPUT OR OUTPUT TO GROUND
- (7) TEMPERATURE RANGE: -25°C~+85°C

## > TECHNICAL SPECIFICATION 6A

### CHARACTERISTICS:

- (1) VOLTAGE RATING.....115/250VAC
- (2) CURRENT RATING:
  - A. @ 115VAC.....6A RMS Max.
  - B. @ 250VAC.....6A RMS Max.
- (3) OPERATING FREQUENCY: 50/60Hz
- (4) LEAKAGE CURRENT: EACH LINE TO GROUND(TEMP:25±2°C)
  - A. @ 115VAC/60Hz.....0.4mA Max.
  - B. @ 250VAC/50Hz.....0.8mA Max.
- (5) HIPOT RATING(FOR ONE MINUTE)
  - A. LINE TO GROUND.....2250VDC
  - B. LINE TO LINE.....1450VDC
- (6) IR: 50M ohm AT 500VDC ANY INPUT OR OUTPUT TO GROUND
- (7) TEMPERATURE RANGE: -25°C~+85°C

## > TECHNICAL SPECIFICATION 10A

### CHARACTERISTICS:

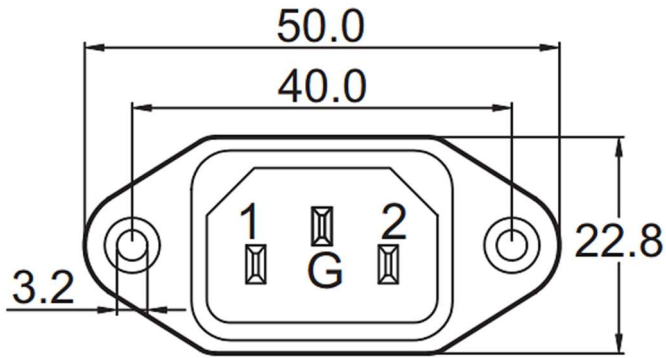
- (1) VOLTAGE RATING.....115/250VAC
- (2) CURRENT RATING:
  - A. @ 115VAC.....10A RMS Max.
  - B. @ 250VAC.....10A RMS Max.
- (3) OPERATING FREQUENCY: 50/60Hz
- (4) LEAKAGE CURRENT: EACH LINE TO GROUND(TEMP:25°C±2°C)
  - A. @ 115VAC/60Hz.....0.4mA Max.
  - B. @ 250VAC/50Hz.....0.8mA Max.
- (5) HIPOT RATING(FOR ONE MINUTE)
  - A. LINE TO GROUND.....2250VDC
  - B. LINE TO LINE.....1450VDC
- (6) IR: 50M ohm AT 500VDC ANY INPUT OR OUTPUT TO GROUND
- (7) TEMPERATURE RANGE: -25°C~+85°C

## > TECHNICAL SPECIFICATION 15A

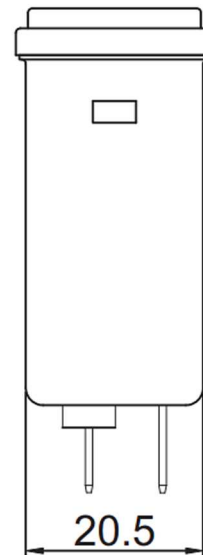
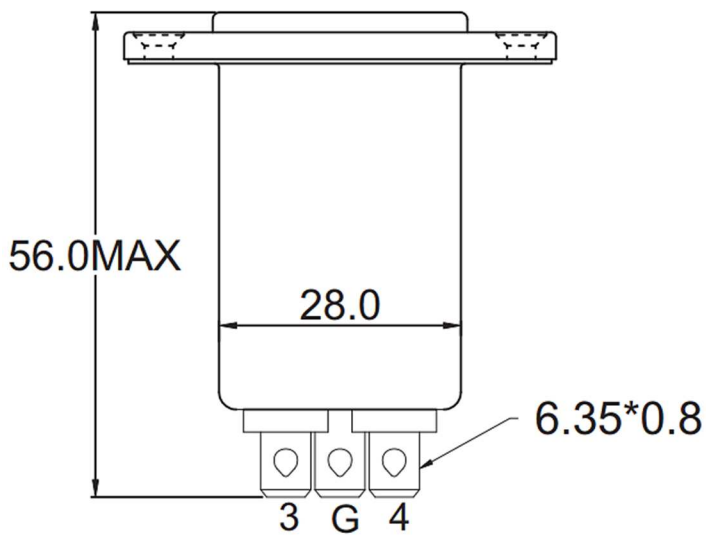
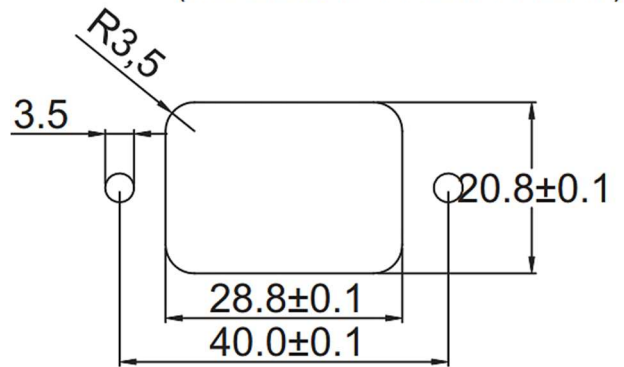
### CHARACTERISTICS:

- (1) VOLTAGE RATING.....115/250VAC
- (2) CURRENT RATING:
  - A. @ 115VAC.....15A RMS Max.
  - B. @ 250VAC.....15A RMS Max.
- (3) OPERATING FREQUENCY: 50/60Hz
- (4) LEAKAGE CURRENT: EACH LINE TO GROUND(TEMP:25°C±2°C)
  - A. @ 115VAC/60Hz.....0.4mA Max.
  - B. @ 250VAC/50Hz.....0.8mA Max.
- (5) HIPOT RATING(FOR ONE MINUTE)
  - A. LINE TO GROUND.....2250VDC
  - B. LINE TO LINE.....1450VDC
- (6) IR: 50M ohm AT 500VDC ANY INPUT OR OUTPUT TO GROUND
- (7) TEMPERATURE RANGE: -25°C~+85°C

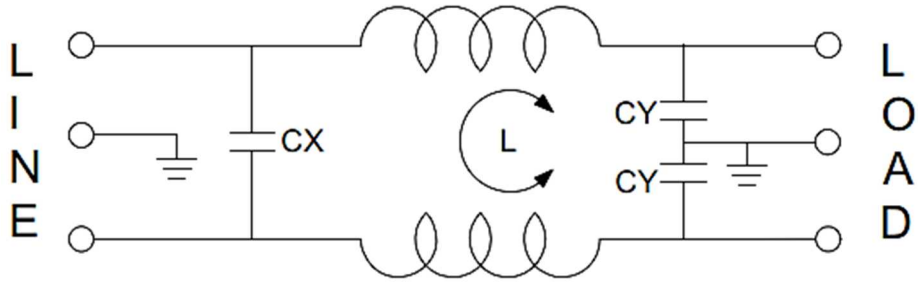
> PHYSICAL



SUGGESTED PANEL CUTOUT  
(MOUNTING FROM FRONT)



## > SCHEMATIC (STANDARD PRODUCT)



## > ORDERING CODE TABLE

Our standard Power Inlet Filters are supplied in a number of rated currents and with 6.3mm Faston Terminal output connectors. Please see our ordering code table below. Additional custom options are listed in the subsequent table.

CURRENT RATING	ORDERING CODE	OUTPUT CONN
1A	704-4101-1	6.3mm (0.8T) Faston Terminal as Standard (see options below)
3A	704-4101-3	
6A	704-4101-6	
10A	704-4101-10	
15A	704-4101-15	



> ADDITIONAL CUSTOM OPTIONS:

CUSTOM OPTION	SUFFIX CODE
Medical Grade	-M
Optional Resistor	-R
Optional Choke	-C
Solder Terminals	-S
Wired Termination	-W

**PRODUCT EXAMPLE: 704-4101-6-M**

Power Inlet Filter, Panel Screw Mount, 6A, Medical Grade with 6.3mm (0.8T) Faston Terminals  
(Additional product specific data available upon request)

## > REVISION HISTORY

Revision	Description	Date
1.0	Initial Drawing Release	29.03.2023
2.0	Additional Custom Options Table added	17.05.2023

Revision History provided is for informational purposes only and is believed to be accurate.

