

With fuse holders and mains switch

A range of compact IEC 60320 inlet power entry modules combining 1 or 2 fuse holders for US and IEC fuses. Plus a unipolar or bipolar rocker switch.

Designed for use in business, consumer and medical equipment, VDU's, vending machines and many other general purpose applications.

- Current ratings from 1A to 6A
- Integral single or twin fuse holder
- Unipolar or bipolar rocker switch
- Snap-in or screw mount versions
- Medical versions available

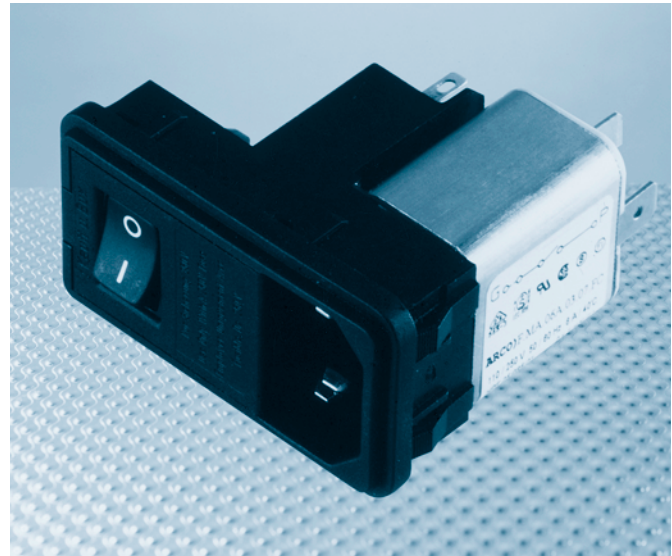
Mechanical Specifications

Manufacture: metal case with built-in power line connector according to IEC 60320, 1 (F.MA-F.MC) or 2 (F.MB-F.MD) fuse holders for fuses 5 x 20mm (IEC) or 6.3 x 32mm (US), unipolar (F.MA-F.MB) or bipolar (F.MC-F.MD) rocker switch; internal components sealed with self-extinguishing resin.

Connections: IEC 60320 - Standard plug (INPUT); faston 6.3 x 0.5mm or 2.8 x 0.5mm for filter output terminals; faston 2.8 x 0.5mm for fuse terminals; faston 4.8 x 0.8mm for rocker switch terminals; ground terminal connected to case.

Electrical Specifications

Rated voltage (V_R): max 250V, 50/60Hz
Rated current (I_R): referred to room temperature = 40°C
Leakage current (I_L): at 220V, 50Hz, max value
Voltage test ($2s$): line to ground 3000Vdc or 1800Vac
 line to line 1700Vdc
Climatic category: HPF (25/085/21);
 Temperature range: -25°C to +85°C
Rocker switches: 6(4)A / 250Vac (Rated current),
 50000 on-off operations;
 10(4)A / 250Vac (Rated current),
 10000 on-off operations;
 values in () relate to the inductive current;
 inrush current test according to UL 1054 (35A).



Filter Range

(example pt no. - F.MA.01A.01.07.FA)

Code	I_R (A)	L (mH)	Cx (μ F)	Cy (pF)	I_L (mA)	R (M Ω)
01A.	01.----	1	2 x 10	0.047	2 x 2500	2 x 0.23
	04.----				2 x 0.002	
	07.----				2 x 0.002	1
F.MA.	03A.	3	2 x 2.5	0.047	2 x 2500	2 x 0.23
F.MB.					05.----	2 x 0.002
F.MC.					08.----	2 x 0.002
F.MD.	06A.	6	2 x 1	0.047	2 x 2500	2 x 0.23
06.----					2 x 0.002	
09.----					2 x 0.002	1

- A = Filter output terminals 2.8 x 0.5mm
- C = Filter output terminals 6.3 x 0.8mm
- F = Snap-in mounting
- G = Screw mounting
- 07 = Fuse 5 x 20mm
- 14 = Fuse 6.3 x 32mm
- A = 1 Fuse + unipolar rocker switch
- B = 2 Fuses + unipolar rocker switch
- C = 1 Fuse + bipolar rocker switch
- D = 2 Fuses + bipolar rocker switch

LIMITED AVAILABILITY

For more information contact
KEMET

This product is not for new designs

Dimensions (mm) and connections

Panel piercing Snap version

Thickness of mounting panels
 1) 0.8-2.0 mm
 2) 2.1-3.2 mm

Screw version

Circuit diagram

F.MA / F.MC

F.MA / F.MC (for medical equipments)

F.MB / F.MD

F.MB / F.MD (for medical equipments)

--- External connections

Insertion loss (typical): — Asymmetrical (line to ground) with C_y - - - - Asymmetrical (line to ground) without C_y - - - - Symmetrical (line to line)

