

## IEC Power Inlet with Line Filter

- IEC320-C14 Filtered Inlet
- Dual Fuse
- Screw Mount
- Compact Design
- Medical Application
- 1, 3, 6 & 10A Rating
- 6.3 x 0.8mm Faston Terminals
- Bleed Resistor
- Shielded Metal Body
- Wide Operating Temperature Range
- 3 Year Warranty

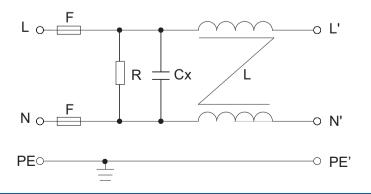


The FDMM has an IEC320-C14 inlet with a front accessible (when the mains connector is disconnected) dual fuse holder, combined with a low earth leakage medical IEC inlet filter in a compact single housing. It is suitable for mains powered medical equipment where dual fusing and low earth leakage current is required. Providing excellent attenuation to conducted electro-magnetic interference from the mains supply, whilst reducing any conducted emissions from within the equipment onto the mains supply. Suitable for class I appliances, all models feature a shielded metal body, and are fitted with a bleed resistor to safely discharge the filter capacitors when power is disconnected. Safety approvals are EN60939-2 for passive filters & ANSI/UL1283 for EMI filters. They feature a wide operating temperature range of -40°C to +110°C with full power operation up to +50°C.

### **Specifications**

Characteristics	Minimum	Typical	Maximum	Units	Notes and Conditions				
Rated Voltage			250	VAC					
Input Frequency	DC		400	Hz					
Rated Current	1		10	А	See models and ratings table				
Earth Leakage Current	2		5	μΑ	See models and ratings table				
MTBF	1.35			MHrs	MIL-HBDK 217F, 250 VAC at 40°C				
Flammability Rating	UL94V-2								
Temperature Operating	-40		110	°C	See derating curve				
Cafatri Ammuniala	EN60939-2	•	•	Passive filter units for EMI suppression					
Safety Approvals	ANSI/UL1283	3		Electromagnetic Interference Filters					
Terminals	Faston 6.3 x 0.8mm straight								
Protection Class	Suitable for appliances with protection Class I								
Dielectric Strength		1500		VAC					

### **Electrical Schematic**



Note: Fuses not supplied

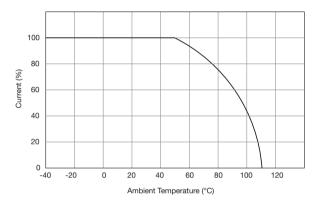




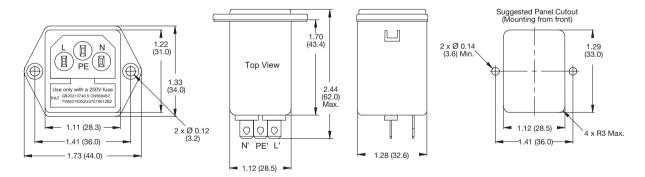
# Models & Ratings

Rated current	Leakage	Leakage current		Capacitance		Resistance	Weight	Application	Mounting	Filter
	t 115VAC/60Hz	250VAC/50Hz	@10kHz, 0.25V	Сх	Су	ricololarice	weight	Application	Wiodriting	riitei
1A	2 μΑ	5 μΑ	2 x 6.5mH	0.1 μF	None	1ΜΩ	55g	Medical	Screw	FDMM01SFR
ЗА	2 μΑ	5 μΑ	2 x 2.5mH	0.1 μF	None	1ΜΩ	55g	Medical	Screw	FDMM03SFR
6A	2 μΑ	5 μΑ	2 x 0.8mH	0.1 μF	None	1ΜΩ	53g	Medical	Screw	FDMM06SFR
10A	2 μΑ	5 μΑ	2 x 0.2mH	0.1 μF	None	1ΜΩ	56g	Medical	Screw	FDMM10SFR

## **Thermal Derating**



## **Mechanical Details**



Output Terminals: 6.3 mm x 0.8 mm Fast-ons
Fuse is not supplied. Correct fuse dimensions are 5mm x 20mm