



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

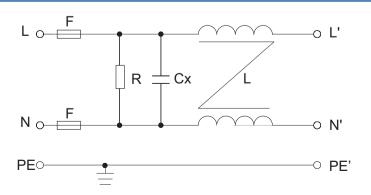


The FDMM has an IEC320-C14 inlet with a front accessible (when the mains connector is disconnected) dual fuse holder, combined with a low earth leakage medical IEC inlet filter in a compact single housing. It is suitable for mains powered medical equipment where dual fusing and low earth leakage current 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

Minimum	Typical	Maximum	Units	Notes and Conditions				
0 115/230 264 VAC		VAC						
DC		400 Hz						
1		10	А	See models and ratings table				
2		5	μA	See models and ratings table				
1.35			MHrs	MIL-STD 217F				
UL94V-2								
-40		110	°C	See derating curve				
EN60939-2			Passive filter units for EMI suppression					
ANSI/UL1283	3		Electromagnetic Interference Filters					
Faston 6.3 x 0.8mm straight								
Suitable for appliances with protection Class I								
	1500	VAC						
	0 DC 1 2 1.35 UL94V-2 -40 EN60939-2 ANSI/UL1283 Faston 6.3 x	0 115/230 DC 1 2 1.35 UL94V-2 -40 EN60939-2 ANSI/UL1283 Faston 6.3 x 0.8mm straight Suitable for appliances with pro-	0 115/230 264 DC 400 1 10 2 5 1.35 UL94V-2 -40 110 EN60939-2 ANSI/UL1283 Faston 6.3 x 0.8mm straight Suitable for appliances with protection Class I	0 115/230 264 VAC DC 400 Hz 1 10 A 2 5 μA 1.35 MHrs UL94V-2 -40 110 °C EN60939-2 ANSI/UL1283 Faston 6.3 x 0.8mm straight Suitable for appliances with protection Class I				

Electrical Schematic



Note: Fuses not supplied

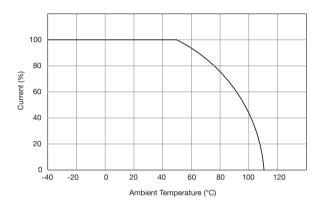




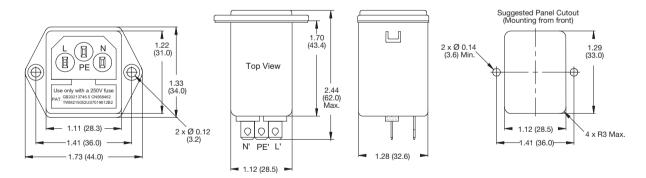
Models & Ratings

Rated current	ed	Leakage current		Inductance	Capacitance		Resistance	Weight	Application	Mounting	Filter
	ent	115VAC/60Hz	250VAC/50Hz	@10kHz, 0.25V	Сх	Су	nesistance	Weight	Application	Wiodriting	Tiller
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
10 <i>A</i>	Ą	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



Typical Attenuation Curves

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

