

# ESM Series

IEC-320 C14 Inlet Power Entry Module  
for Medical Applications



NRTL/C  
CSA NRTL File No. 110265  
TUV File No. E9672914

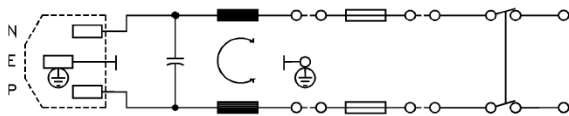


## Applications

The ESMS Series offers Snap-in or Flange Mount modules for medical applications providing very low leakage for the medical and dental equipment requirements of UL60601 and EN60601. The series reduces line-to-line & line-to-ground noise must be controlled and is rated for 6 amps..

All of the above series provide an IEC connector, single or double fuses and 2-pole power ON/OFF switch.

## Electrical Schematic



## How to define a part number:

**ESM**

Series

**S**

S=Snap-In  
F=Flange

**2**

Fusing  
1=Single  
2=Dual

**6**

Current  
Rating

## Specifications

**Voltage rating:** 115/250 VAC

**Line frequency:** 50/60 Hz

**Leakage current:** 3.00  $\mu$ A maximum at 115 V, 60 Hz  
(line-to-ground) 5.00  $\mu$ A maximum at 250 V, 50 Hz

**Test voltage:** Line to ground, 2250 VDC  
Line to line, 1450 VDC

## Common Mode

Current Rating	Frequency (MHz)						
	.15	.5	1	3	5	10	30
6 A	8	12	15	18	18	18	18 (db)

## Differential Mode

Current Rating	Frequency (MHz)						
	.15	.5	1	3	5	10	30
6 A	4	8	15	28	32	35	35(db)

Minimum Insertion loss in 50 ohm system per MIL-STD-220A

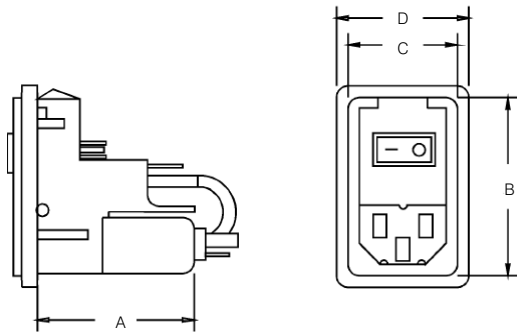
# ESM Series

## Ordering Information

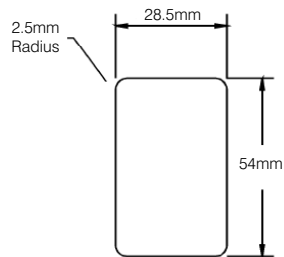
Current Rating	Part Number	Dimensions (mm)			
		A	B	C	D
6A	ESMS1-6	38.86	54.10	27.94	32.00
	ESMF1-6	38.86	54.10	27.94	39.88
	ESMS2-6	38.86	54.10	27.94	32.00
	ESMF2-6	38.86	54.10	27.94	39.88

Connections are 0.250 Tab Terminals which extend 14.73mm.  
Mounting Hole Diameters on ESMF Models are 4.78mm

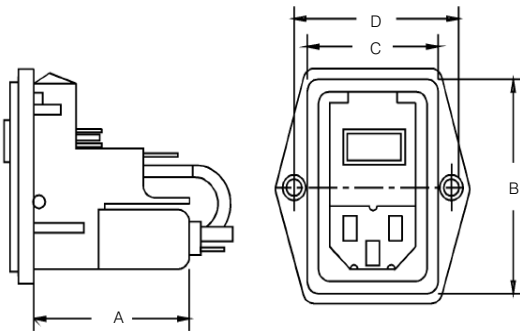
### ESMS Models:



### Panel Cut-Out:



### ESMF Models:



### Panel Cut-Out:

