

**EK SERIES****POWER ENTRY MODULE FILTERS****INTRODUCTIONS**

1. EK Series filters are for UL 544 & UL 2601 health care equipment.
2. All part numbers are UL recognized, CSA certified and VDE approved.

**COMPONENTS**

| PART NO.   | L (mH) | C1 (uF) | C2 (uF) | R (MΩ) |
|------------|--------|---------|---------|--------|
| 03EK3M/AM  | 8      | 0.22    | 0.1     | 1      |
| 03EK3SM/AM |        |         |         |        |
| 03EK4M/AM  |        |         |         |        |
| 06EK3M/AM  | 2.5    |         |         |        |
| 06EK3SM/AM |        |         |         |        |
| 06EK4M/AM  |        |         |         |        |
| 10EK3M/AM  | 1.6    |         |         |        |
| 10EK3SM/AM |        |         |         |        |
| 10EK4M/AM  |        |         |         |        |

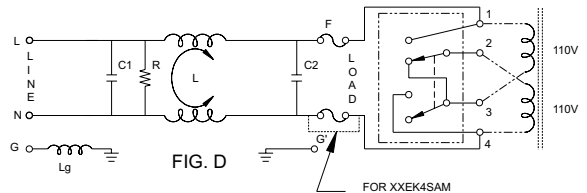
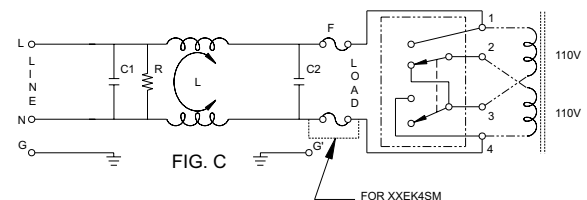
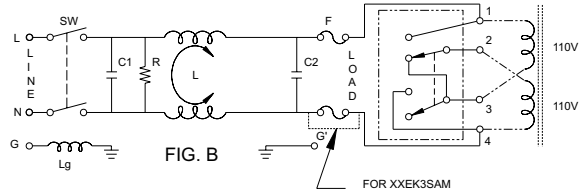
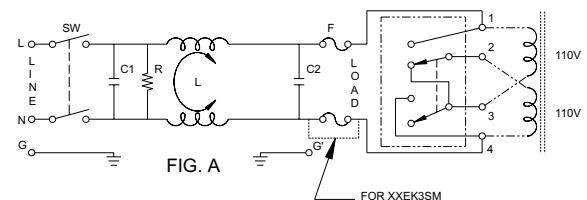
Lg: 400uH (EK3AM, EK3SAM only)

**MINIMUM INSERTION LOSS IN dB**

| COMMON MODE (L-G) IN 50 OHM SYSTEM                         |               |      |      |      |     |     |    |    |  |
|------------------------------------------------------------|---------------|------|------|------|-----|-----|----|----|--|
| CURRENT RATING                                             | FREQUENCY-MHz |      |      |      |     |     |    |    |  |
|                                                            | 0.05          | 0.10 | 0.15 | 0.50 | 1.0 | 5.0 | 10 | 30 |  |
| 3A (M)                                                     | 22            | 27   | 32   | 42   | 36  | 20  | 15 | 6  |  |
| 6A (M)                                                     | 12            | 18   | 20   | 25   | 25  | 20  | 13 | 6  |  |
| *10A (M)                                                   | 8             | 10   | 14   | 20   | 25  | 20  | 17 | 10 |  |
| 3A (AM) (SAM)                                              | 22            | 27   | 32   | 30   | 36  | 22  | 18 | 6  |  |
| 6A (AM) (SAM)                                              | 12            | 18   | 20   | 25   | 25  | 20  | 13 | 6  |  |
| *10A (AM) (SAM)                                            | 8             | 14   | 24   | 20   | 25  | 20  | 17 | 12 |  |
| DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM                   |               |      |      |      |     |     |    |    |  |
| 3A (M)                                                     | 2             | 4    | 18   | 48   | 55  | 50  | 50 | 35 |  |
| 6A (M)                                                     | 4             | 4    | 12   | 38   | 50  | 50  | 50 | 25 |  |
| *10A (M)                                                   | 4             | 6    | 6    | 30   | 45  | 50  | 50 | 35 |  |
| 3A (AM) (SAM)                                              | 35            | 35   | 45   | 50   | 55  | 40  | 25 | 10 |  |
| 6A (AM) (SAM)                                              | 25            | 45   | 25   | 40   | 50  | 40  | 25 | 10 |  |
| *10A (AM) (SAM)                                            | 20            | 28   | 38   | 45   | 50  | 40  | 25 | 13 |  |
| *CSA approved 6A at 125/250VAC. VDE approved 6A at 250VAC. |               |      |      |      |     |     |    |    |  |

**SPECIFICATIONS**

1. Maximum leakage current each  
line-to-ground: @ 115VAC 60Hz: 2.0uA  
@ 250VAC 50Hz: 5.0uA
2. Hipot rating (one minute)  
line-to-ground: 2250VDC  
line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

**ELECTRICAL SCHEMATIC**

| DELTA PART NO.             | 03EK3M<br>06EK3M<br>10EK3M | 03EK3AM<br>06EK3AM<br>10EK3AM | 03EK3SM<br>06EK3SM<br>10EK3SM | 03EK3SAM<br>06EK3SAM<br>10EK3SAM | 03EK4M<br>06EK4M<br>10EK4M | 03EK4AM<br>06EK4AM<br>10EK4AM | 03EK4SM<br>06EK4SM<br>10EK4SM | 03EK4SAM<br>06EK4SAM<br>10EK4SAM |
|----------------------------|----------------------------|-------------------------------|-------------------------------|----------------------------------|----------------------------|-------------------------------|-------------------------------|----------------------------------|
| * FUSE                     | DOUBLE                     | DOUBLE                        | SINGLE                        | SINGLE                           | DOUBLE                     | DOUBLE                        | SINGLE                        | SINGLE                           |
| IEC CONNECTOR              | Δ                          | Δ                             | Δ                             | Δ                                | Δ                          | Δ                             | Δ                             | Δ                                |
| **DOUBLE-POLE POWER SWITCH | Δ                          | Δ                             | Δ                             | Δ                                | —                          | —                             | —                             | —                                |
| VOLTAGE SELECTOR SW        | Δ                          | Δ                             | Δ                             | Δ                                | Δ                          | Δ                             | Δ                             | Δ                                |
| ELECTRICAL SCHEMATIC       | FIG. A                     | FIG. B                        | FIG. A                        | FIG. B                           | FIG. C                     | FIG. D                        | FIG. C                        | FIG. D                           |

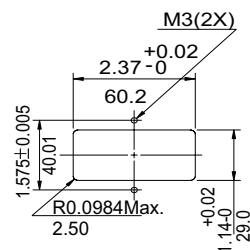
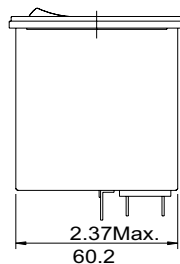
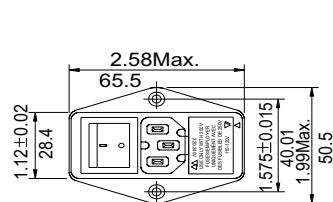
\* UL, CSA & VDE approved  
Current rating: UL-10A both at 125VAC & 250VAC.  
CSA & VDE-6A at 250VAC.

\*\* UL, CSA & VDE approved  
Current rating: UL & CSA-10A both at 125VAC & 250VAC.  
VDE-10A at 250VAC.  
Electrical lifetime: 10,000 cycles.  
Maximum inrush current: 51A.

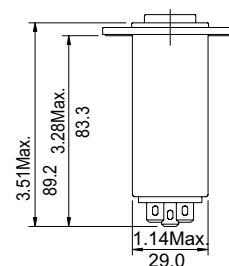
## MECHANICAL CONSTRUCTION



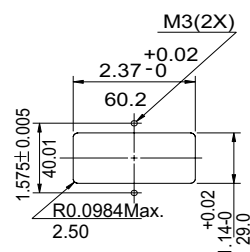
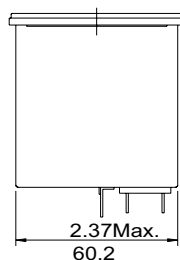
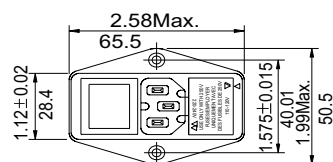
EK3M/AM/SM/SAM



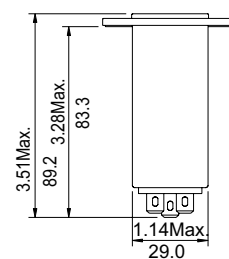
**SUGGESTED MOUNTING CUTOUT**



EK4M/AM/SM/SAM



SUGGESTED MOUNTING CUTOUT



UNIT:  $\frac{\text{INCH}}{\text{mm}}$