

# 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	0.22	0.1	1
06EK3SM/AM				
06EK4M/AM				
10EK3M/AM	1.6	0.22	0.1	1
10EK3SM/AM				
10EK4M/AM				

Lg: 400uH (EK3AM, EK3SAM only)

## MINIMUM INSERTION LOSS IN dB

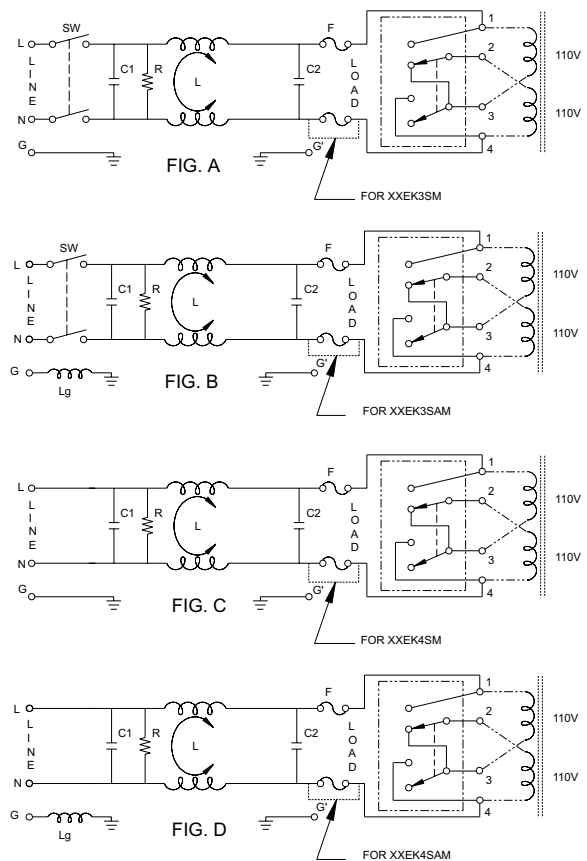
COMMON MODE (L-G) IN 50 OHM SYSTEM							
CURRENT RATING	FREQUENCY-MHz						
	0.05	0.10	0.15	0.50	1.0	5.0	30
3A (M)	22	27	32	42	36	20	6
6A (M)	12	18	20	25	25	20	6
*10A (M)	8	10	14	20	25	20	10
3A (AM) (SAM)	22	27	32	30	36	22	6
6A (AM) (SAM)	12	18	20	25	25	20	6
*10A (AM) (SAM)	8	14	24	20	25	20	12
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM							
3A (M)	2	4	18	48	55	50	35
6A (M)	4	4	12	38	50	50	25
*10A (M)	4	6	6	30	45	50	35
3A (AM) (SAM)	35	35	45	50	55	40	10
6A (AM) (SAM)	25	45	25	40	50	40	10
*10A (AM) (SAM)	20	28	38	45	50	40	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 06EK3M 10EK3M	03EK3AM 06EK3AM 10EK3AM	03EK3SM 06EK3SM 10EK3SM	03EK3SAM 06EK3SAM 10EK3SAM	03EK4M 06EK4M 10EK4M	03EK4AM 06EK4AM 10EK4AM	03EK4SM 06EK4SM 10EK4SM	03EK4SAM 06EK4SAM 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

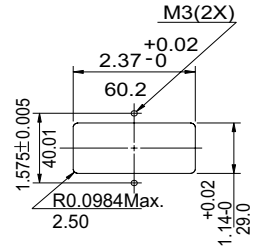
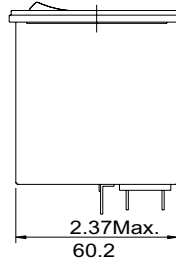
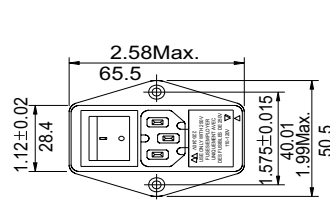
\* UL, CSA & VDE approved  
Current rating: UL-10A both at 125VAC & 250VAC.  
CSA & VDE-6A at 250VAC.

\*\* 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.

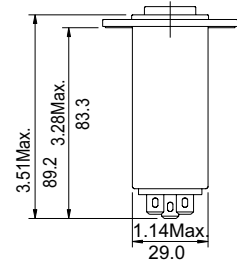
**MECHANICAL CONSTRUCTION**



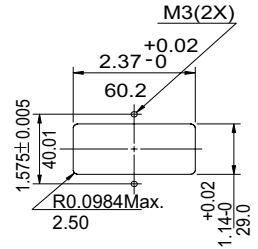
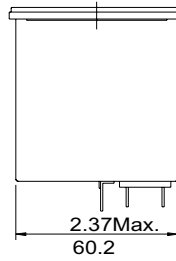
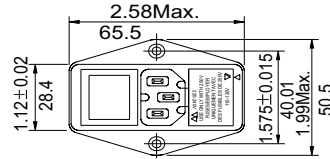
EK3M/AM/SM/SAM



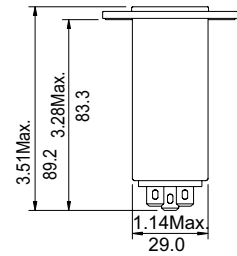
SUGGESTED MOUNTING CUTOUT



EK4M/AM/SM/SAM



SUGGESTED MOUNTING CUTOUT



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