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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

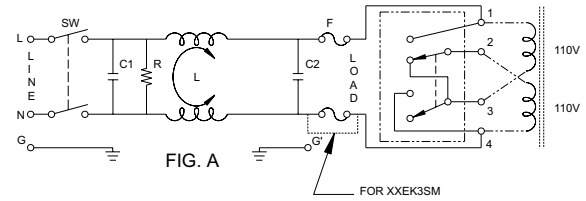


FIG. A

FOR XXEK3SM

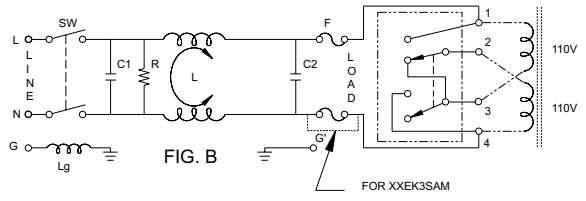


FIG. B

FOR XXEK3SAM

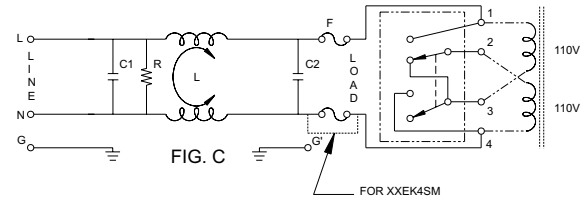


FIG. C

FOR XXEK4SM

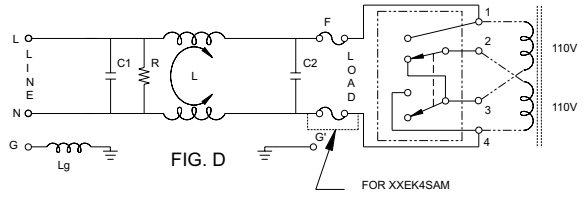


FIG. D

FOR XXEK4SAM

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

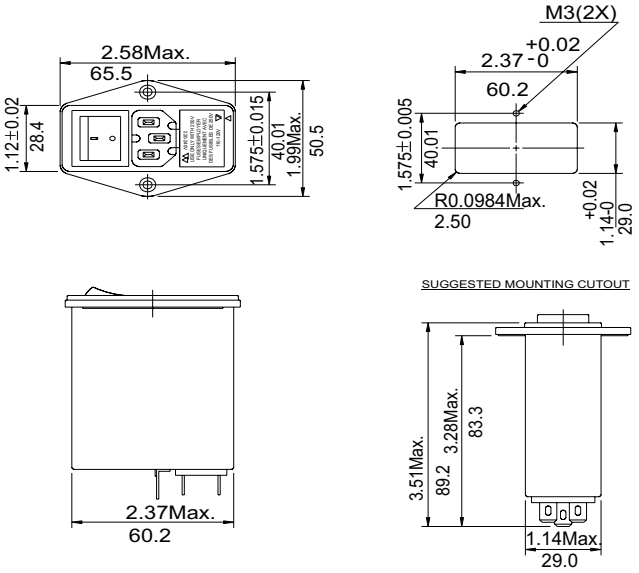
* UL, CSA & VDE approved
Current rating: UL-10A both at 125VAC & 250VAC.
CSA & VDE-6A at 250VAC.

* * 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

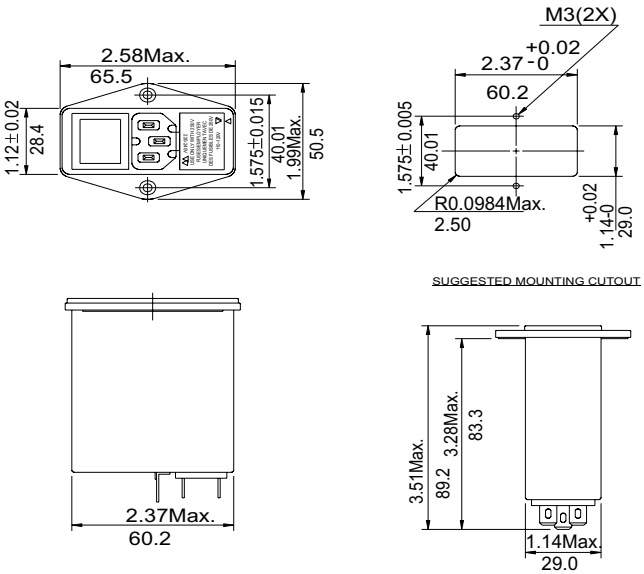


EK3M/AM/SM/SAM





EK4M/AM/SM/SAM



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

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