EB SERIES POWER ENTRY MODULE EMI FILTERS

INTRODUCTIONS

1. Power module incorporates an IEC connector, single or double-fuse (IEC 5 x 20mm) holder, optional voltage selector switch and double-pole power switch, plus an EMI filter all-in-one easy-to-install unit.
2. Adapts to 110-120V or 220-240V input voltage by simply reversing the fuse cartridge.
3. All part numbers are UL recognized, CSA certified and VDE approved.
4. Switch electrical lifetime: 10,000 cycles.
   Maximum inrush current: 70A.

SPECIFICATIONS

1. Maximum leakage current each
   line-to-ground @ 115VAC 60Hz: 0.25mA
   @ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute)
   line-to-ground: 2250VDC
   line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

COMPONENTS

PART NO.	L (mH)	Cx (uF)	Cy (pF)	R (Ω)
03EB3	8	0.22	3300	1M
03EB3A				
03EB3S				
03EB3SA				
06EB3	2.5			
06EB3A				
06EB3S				
06EB3SA				

PART NO.	L (mH)	Cx (uF)	Cy (pF)	R (Ω)
10EB3	1.6	0.22	3300	1M
10EB3A				
10EB3S				
10EB3SA				

Lg: 400 uH (EB3A, EB3SA only)

PART NO.	L (mH)	Cx (uF)	Cy (pF)	R(Ω)
05EB3B/S	0.93	0.01	2200	1M

TYPE & FEATURE

DELTA PART NO.	03EB3 05EB3B 06EB3 10EB3	03EB3A 06EB3A 10EB3A	03EB3S 05EB3BS 06EB3S 10EB3S	03EB3SA 06EB3SA 10EB3SA
• FUSE	DOUBLE	DOUBLE	SINGLE	SINGLE
IEC CONNECTOR	△	△	△	△
•• DOUBLE POLE POWER SWITCH	△	△	△	△
VOLTAGE SELECTOR SW	△	△	△	△
ELECTRICAL SCHEMATIC	FIG.A	FIG.B	FIG.A	FIG.B

- • 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 SCHEMATIC

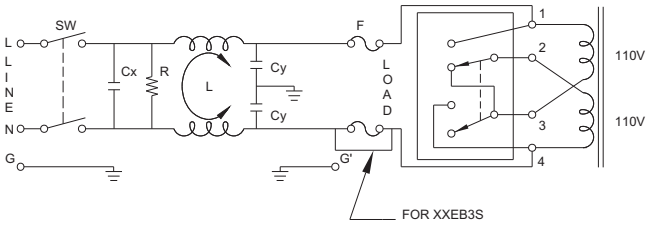
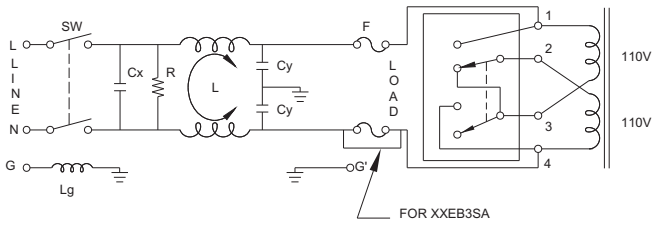
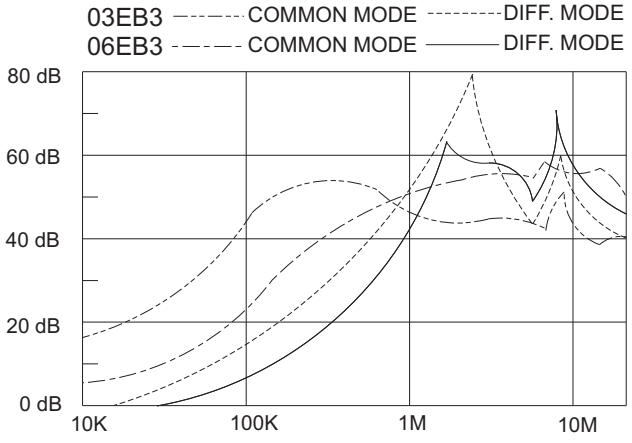


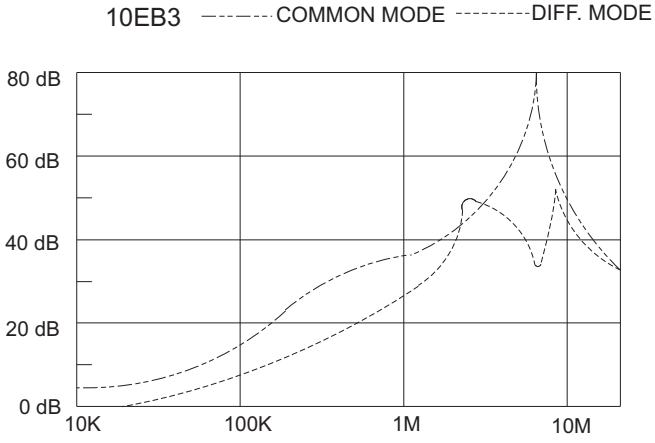
FIG. A



EB3A, EB3SA
FIG. B

INSERTION LOSS (TYPICAL)





MINIMUM INSERTION LOSS IN dB

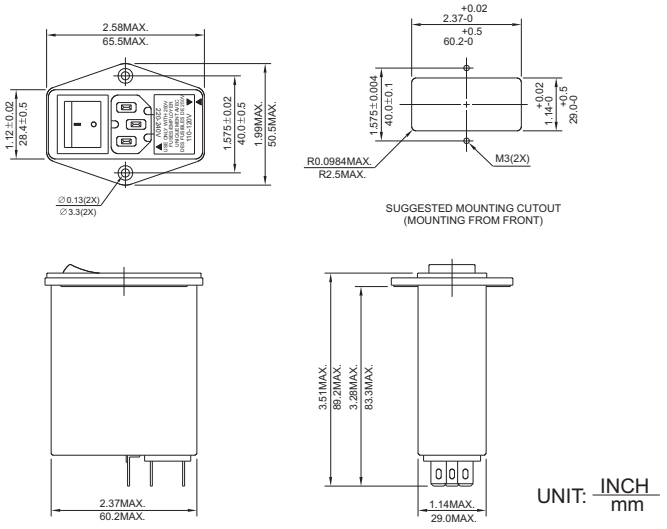
COMMON MODE (L-G) IN 50 OHM SYSTEM								
CURRENT RATING	FREQUENCY-MHz							
	0.05	0.10	0.15	0.50	1.0	5.0	10	30
3A (S)	20	25	30	38	38	38	38	25
6A (S)	10	15	20	30	35	40	40	30
• 10A (S)	10	15	20	20	30	40	40	30
3A (A,SA)	20	25	30	40	40	40	45	30
6A (A,SA)	10	15	20	25	30	40	45	30
• 10A (A,SA)	10	15	20	25	30	45	50	30

DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM								
3A (S)	2	9	12	30	40	30	40	30
6A (S)	2	5	8	20	30	30	45	40
• 10A (S)	2	5	8	15	30	40	45	35
3A (A,SA)	2	8	12	30	40	35	40	30
6A (A,SA)	2	5	10	15	30	45	50	40
• 10A (A,SA)	2	5	8	20	30	50	50	40

• CSA approved 6A at 125/250 VAC; VDE-6A/250VAC

MECHANICAL CONSTRUCTION





UNIT: INCH / mm