



EB SERIES

POWER ENTRY MODULE EMI FILTERS



INTRODUCTIONS

1. Power module incorporates an IEC connector, single or double-fuse (IEC 5 x 20mm or 3AG 6.3 x32mm) 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.

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 (Ohm)
03EB3	8	0.22	3300	1M
03EB3A				
03EB3S/A				
05EB3B/S	0.93	0.01	2200	
06EB3	2.5	0.22	3300	
06EB3A				
06EB3S/A				
10EB3	1.6			
10EB3A				
10EB3S/A				

Lg: 400 uH (EB3A only)

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 lifetime: 10,000 cycles.
Maximum inrush current: 51A.

ELECTRICAL SCHEMATIC

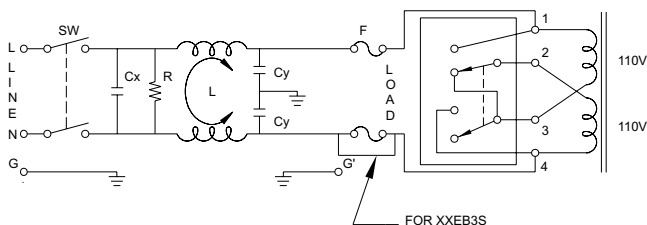
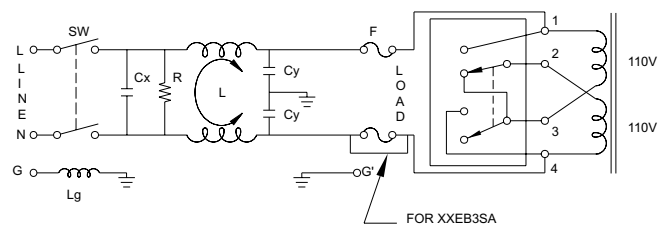
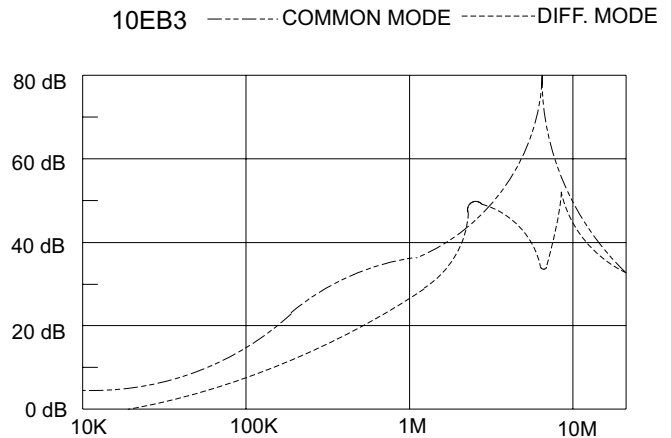
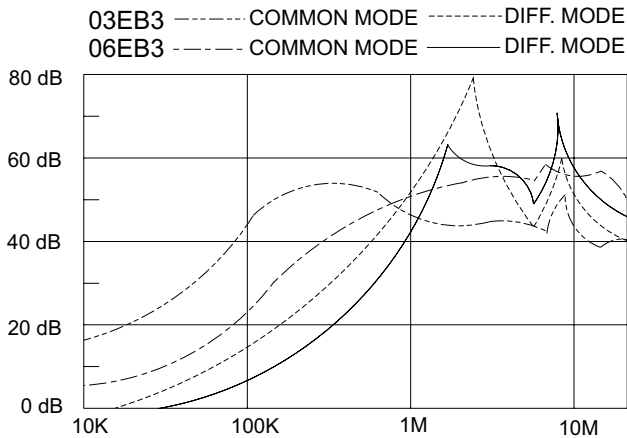


FIG. A



EB3A, EB3SA
FIG. B

INSERTION LOSS (TYPICAL)

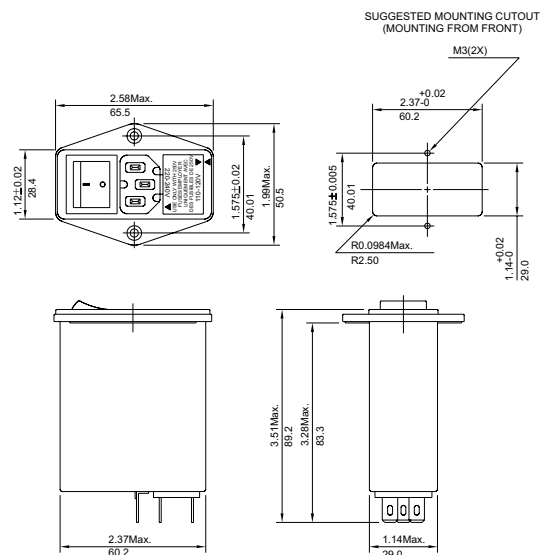


MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM								
CURRENT RATING	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	45	50	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	45	30
6A (S)	2	5	8	20	30	30	40	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	20	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: $\frac{\text{INCH}}{\text{mm}}$