



# CK SERIES

## POWER ENTRY MODULE EMI FILTERS



### INTRODUCTIONS

1. Power module incorporates an IEC connector, double-fuse (IEC 5x20mm) holder, optional voltage selector switch and double-pole power switch, plus an EMI filter all-in-one easy-to-install unit.
2. Adapts to 100-120V or 200-240V input voltage simply by reversing the fuse holder. (Use only with 250V fuse)
3. All part numbers are UL recognized, CSA certified and VDE approved.

### COMPONENTS

PART NO.	L (mH)	C1,C2 (uF)	Cy (pF)	R (Ohm)
03CK2/A	19.8	0.33	3300	470K
03CK3/A				
03CK4/A				
06CK2/A	5.3			
06CK3/A				
06CK4/A				
•10CK2/A	1			
•10CK3/A				
•10CK4/A				

- Lg : 120uH (CKXA only)
- VDE approved to 6A/250VAC

### MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM						
CURRENT RATING	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
3A	35	40	40	40	40	25
6A	30	40	40	40	40	25
10A	15	25	25	40	40	35
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM						
3A	35	55	60	40	40	40
6A	25	50	60	50	45	40
10A	6	40	55	50	40	40

### MECHANICAL CONSTRUCTION

DELTA PART NO.	03CK2/A	03CK3/A	03CK4/A
	06CK2/A	06CK3/A	06CK4/A
	10CK2/A	10CK3/A	10CK4/A
IEC CONNECTOR	△	△	△
DOUBLE-FUSE HOLDER	△	△	△
•DOUBLE-POLE POWER SWITCH	△	△	-
VOLTAGE SELECTOR SW	-	△	△
ELECTRICAL SCHEMATIC	FIG. B	FIG. B	FIG. A

- 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.

### 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

### ELECTRICAL SCHEMATIC

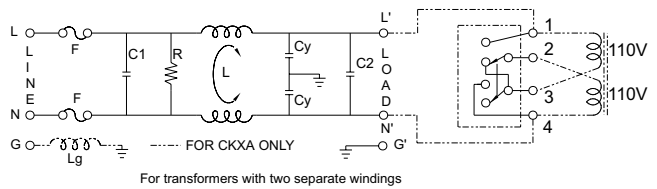


FIG. A

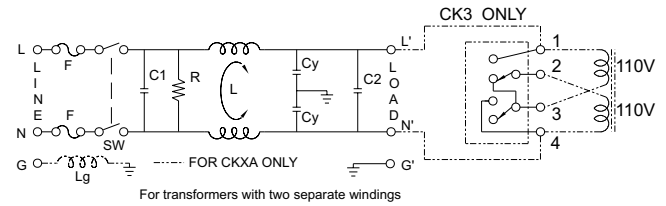
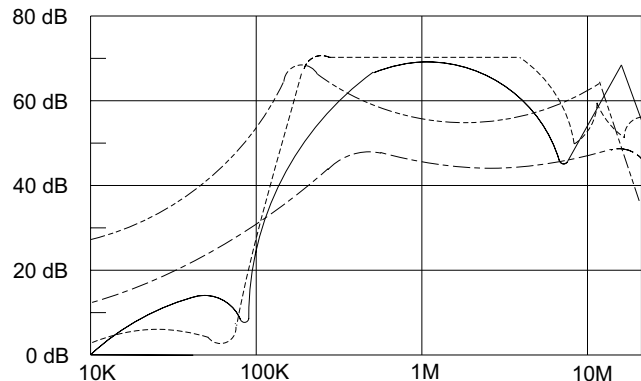


FIG. B

### INSERTION LOSS (TYPICAL)

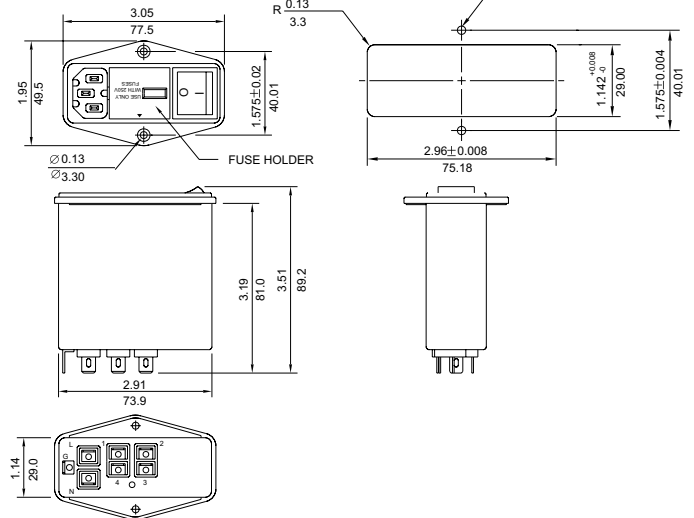
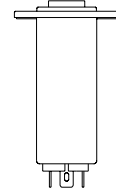
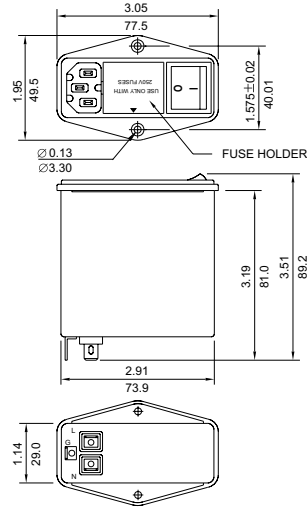
03CK2 ----- COMMON MODE ----- DIFF. MODE  
06CK2 ----- COMMON MODE ----- DIFF. MODE



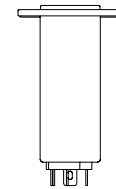
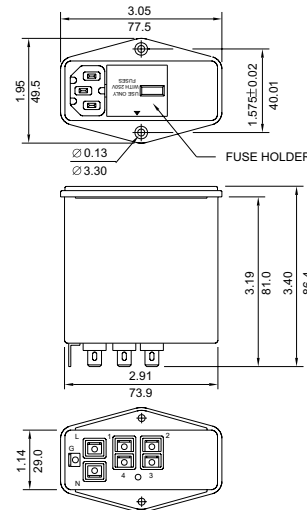
# MECHANICAL CONSTRUCTION



CK2/A



CK3/A



CK4/A

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