

SAFETY ORGANIZATIONS

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

- UL RECOGNIZED: UL 1283
- CSA CERTIFIED: CSA C22.2 No. 8
- VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 75 AMP 277 VAC LINE TO GROUND
75 AMP 480 VAC PHASE TO PHASE

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND: 30mA @ 277VAC 50 HZ

OPERATING AMBIENT TEMP. RANGE: -10°C TO +50°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_a, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{50}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 50°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 1.06 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 2.17 μF±20%
LINE TO LINE: 6.60 μF±20%
DISCHARGE RESISTOR: 660K Ω
NO DISCHARGE RESISTOR: 6000Ω (MIN.) 100VDC, 20°C AND 50% RH@

CUSTOMER DRAWING

CATALOG # 75BCF6

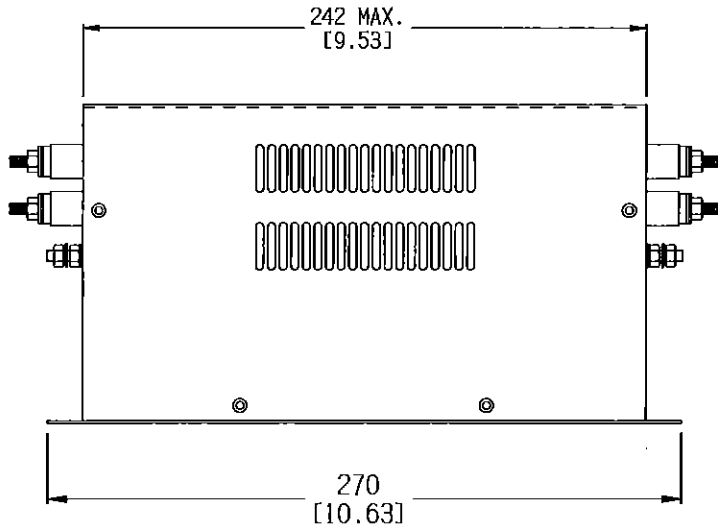
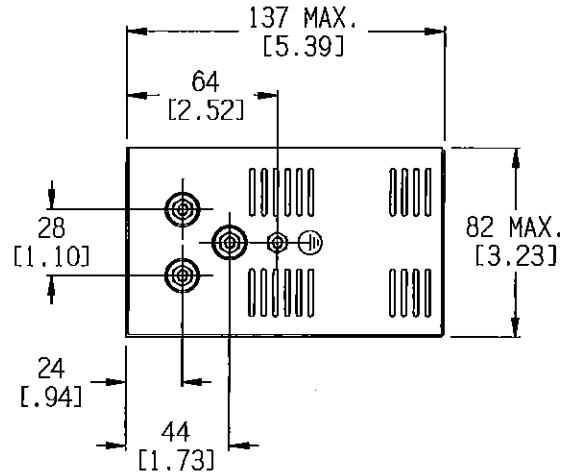
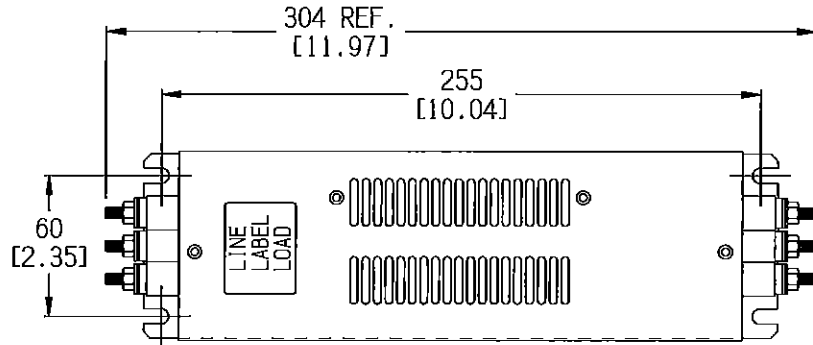
ECN#	APPRVD	DATE
15-011624	TAM	08DEC15

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1850 VDC FOR 1 MINUTE
LINE TO LINE: 1850 VDC FOR 1 MINUTE

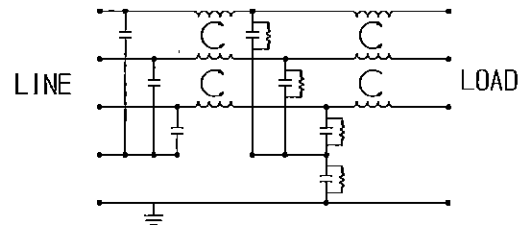
FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.



M6 STUDS (8)
TORQUE TO 3.7 Nm / 33 IN-LB MAX.

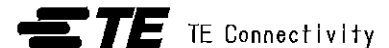
SCHEMATIC



- NOTES:
1.) INSULATED TERMINALS ARE RECOMMENDED FOR WIRING TO THE FILTER

50 Ω - 50 Ω (TYPICAL) INSERTION LOSS												
FREQUENCY kHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	10	30
COMMON dB	12	30	40	53	60	84	90	70	50	42	30	15
DIFF. dB	27	35	35	50	66	87	86	72	62	58	53	35

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES
UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.64 (±0.025)
MATERIAL & FINISH: AS SUPPLIED
DIMENSIONS IN MM [INCHES]



NOTES:

CUSTOMER DRAWING

TE PART NO.: 3-1609091-0			
SCALE: NTS	DATE: 300CT15	DRAWING NUMBER: 75BCF6	REV. A
DRW. BY: HS	DATE: HS		