CUSTOMER DRAWING

CATALOG # 15CUFE1

ECN #	APPRVD.	DATE
23-220586	JB	05JUL23

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
VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 15 AMP @ 120 VAC, 10 AMP @ 250 VAC (UL & CSA)
10 AMP/40°C @ 250 VAC (VDE)

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.25 mA @ 120V 60Hz
0.40 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_a, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS: $I_o = I_r \sqrt{\frac{85 - T_a}{45}}$

RELIABILITY SPECIFICATIONS:

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

TEST SPECIFICATIONS:

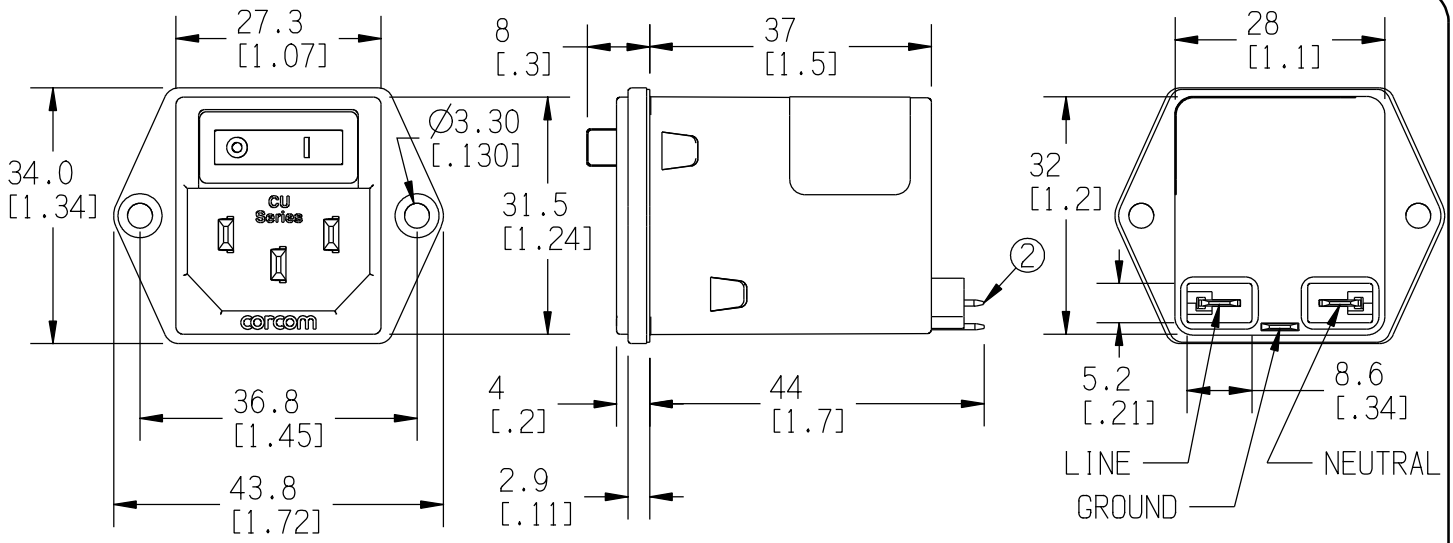
INDUCTANCE: 0.11 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0028 µF ±20%
LINE TO LINE: 0.1000 µF ±20%
DISCHARGE RESISTOR: 3.3 MΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

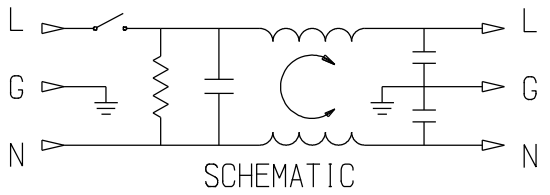
RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

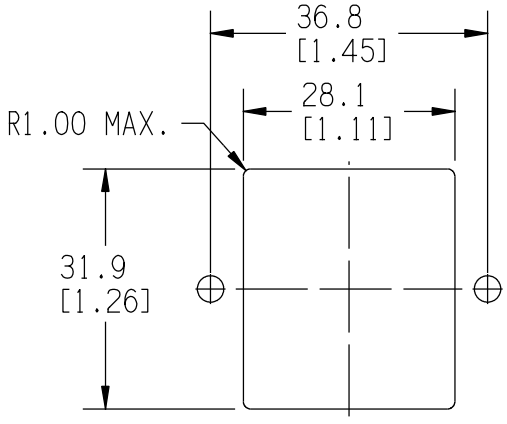
FILTER APPROVAL:

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





SCHEMATIC



RECOMMENDED PANEL CUTOUT ±0.1 MM

NOTES:
1. SOCKET COMPLIES WITH EN 60320-1.
② LOAD TERMINALS COMPLY WITH DIN 46244, 4.8MM X 0.8MM.

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.05	.15	.5	1	5	10	30	/	/	/	/	/
COMMON dB	0	1	10	13	25	27	42	/	/	/	/	/
DIFF. dB	1	10	20	23	28	39	54	/	/	/	/	/

SHEET SIZE A | THIRD ANGLE PROJECTION

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.5 MM
MATERIAL & FINISH: AS SUPPLIED

DIMENSIONS ARE:
MILLIMETER
(INCH)

CVM AVAILABLE	YES	NO
	X	

15CUFE102.ckd

TE Connectivity

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 2-1609113-6

SCALE: /	DATE: /	DRAWING NUMBER: 15CUFE1	REV. 2
DRW. BY: EC	DRIG: EC		