

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, # 8
VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 15 AMP, 120/250 VAC,
10 AMP/40°C, 250 VAC

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: 4.06 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0028 μ F ±20%
LINE TO LINE: 0.1000 μ F ±20%
DISCHARGE RESISTOR: 3.3 M Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000M Ω (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

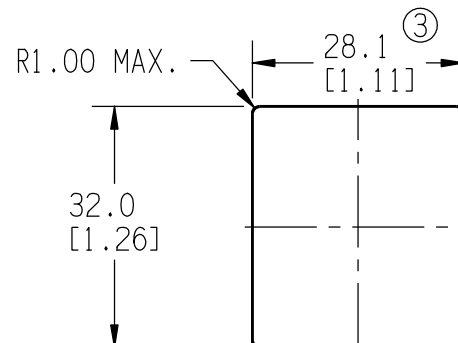
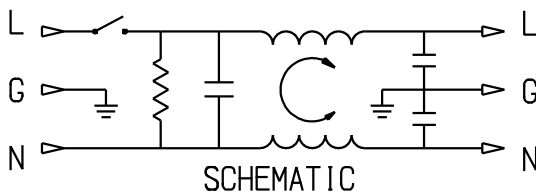
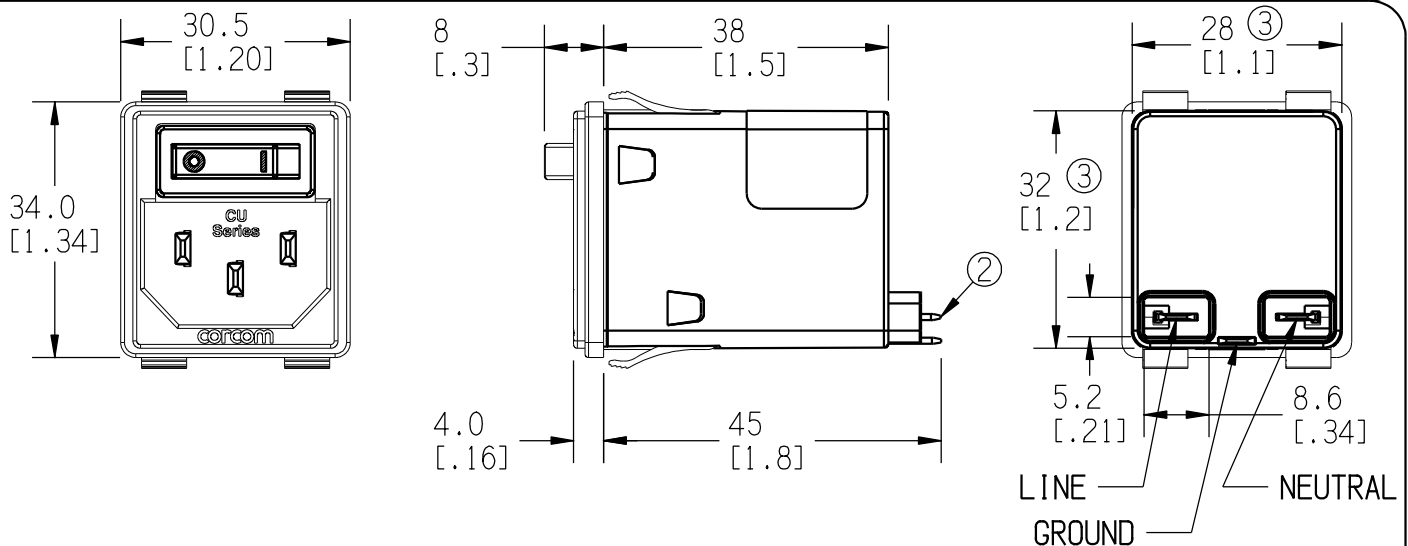
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 1CUFS1

ECN #	APPRVD.	DATE
08-023523	EC	26DEC08



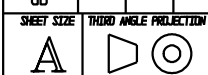
RECOMMENDED PANEL CUTOUT ±0.1 MM
THICKNESS: 0.63-2.1 MM

NOTES:

1. SOCKET COMPLIES WITH EN 60320-1.
2. LOAD TERMINALS COMPLY WITH DIN 46244, 4.8MM X 0.8MM.
3. DIMENSION APPLIES AT LABEL ONLY. FORCE REQUIRED FOR INSTALLATION.

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.05	.15	.5	1	5	10	30	/	/	/	/	/
COMMON dB	19	30	44	49	47	44	45	/	/	/	/	/
DIFF. dB	1	10	21	26	48	51	60	/	/	/	/	/



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HARRISBURG, PENNSYLVANIA USA.

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	

Tyco Electronics
CONCOM PRODUCTS, 620 S. BUTTERFIELD RD., MINDELEIN IL 60060

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 2-1609113-7

SCALE: 1:1	DATE: 30DEC08	DRAWING NUMBER: 1CUFS1	REV. 2
DRW. BY: EC	DRG: EC		

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