

ECN #	APPRVD.	DATE
08-023523	IEC	26DEC08

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 498
- CSA CERTIFIED: CSA 22.2, # 42 (THROUGH UL)
- VDE APPROVED: EN 60320-1

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: 0.00 mA @ 120V 60Hz  
0.00 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>.

IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{45}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C  
HUMIDITY: 21 DAYS @ 40°C 95% RH.  
CURRENT OVERLOAD TEST: 6 TIMES I<sub>r</sub> FOR 8 SECONDS

TEST SPECIFICATIONS:

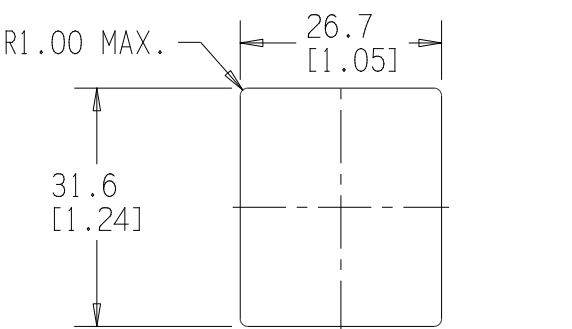
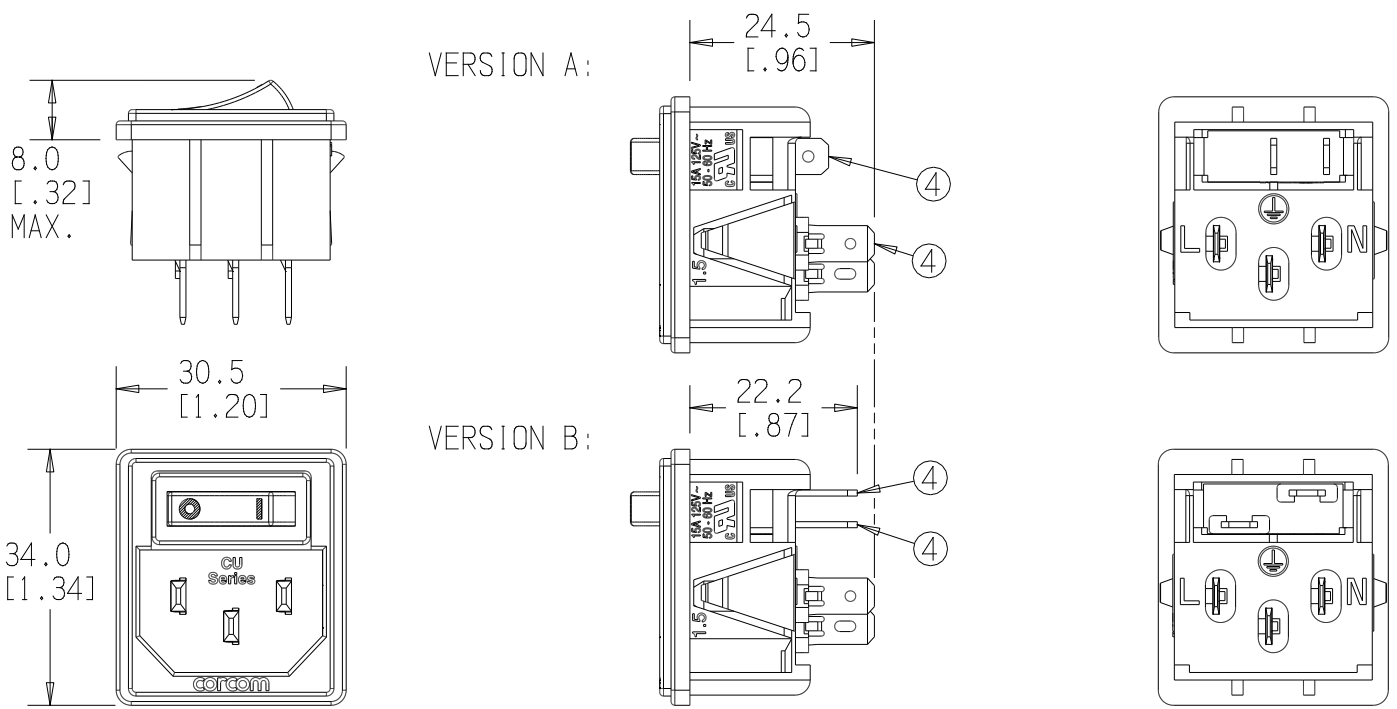
INDUCTANCE: 0.00 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0000 μF ±20%  
LINE TO LINE: 0.0000 μF ±20%  
DISCHARGE RESISTOR: NONE  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000Ω (MIN.) @ 100VDC, 20°C AND 50% RH

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.



RECOMMENDED PANEL CUTOUT ±0.1 MM  
THICKNESS: 1.5 +0.0/-0.3 MM

NOTES:

1. PART NUMBER LABELED ON PACKAGE ONLY.
2. BOTH VERSIONS ARE ACCEPTABLE.
3. SOCKET COMPLIES WITH EN 60320-1.
- ④ LOAD AND SWITCH TERMINALS COMPLY WITH DIN 46244, 4.8MM X 0.8MM.

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS											
FREQUENCY MHz	/	/	/	/	/	/	/	/	/	/	/
COMMON dB	/	/	/	/	/	/	/	/	/	/	/
DIFF. dB	/	/	/	/	/	/	/	/	/	/	/
SHEET SIZE	THIRD ANGLE PROJECTION		THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION. 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)

**Tyco Electronics**  
CORCOM PRODUCTS, 620 S. BUTTERFIELD RD., MANDELEIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. 1-1609112-8

CVM AVAILABLE	YES	NO	
	X		

SCALE: / DATE: / DRAWING NUMBER: 15CU15S1 REV. 0

DRW. BY: EC ORG: EC

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