

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: 1 AMP, 120/250 VAC,
1 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

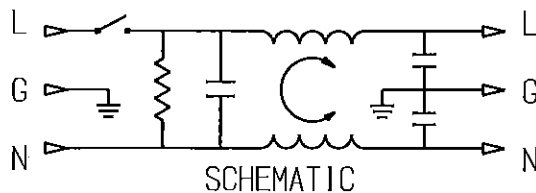
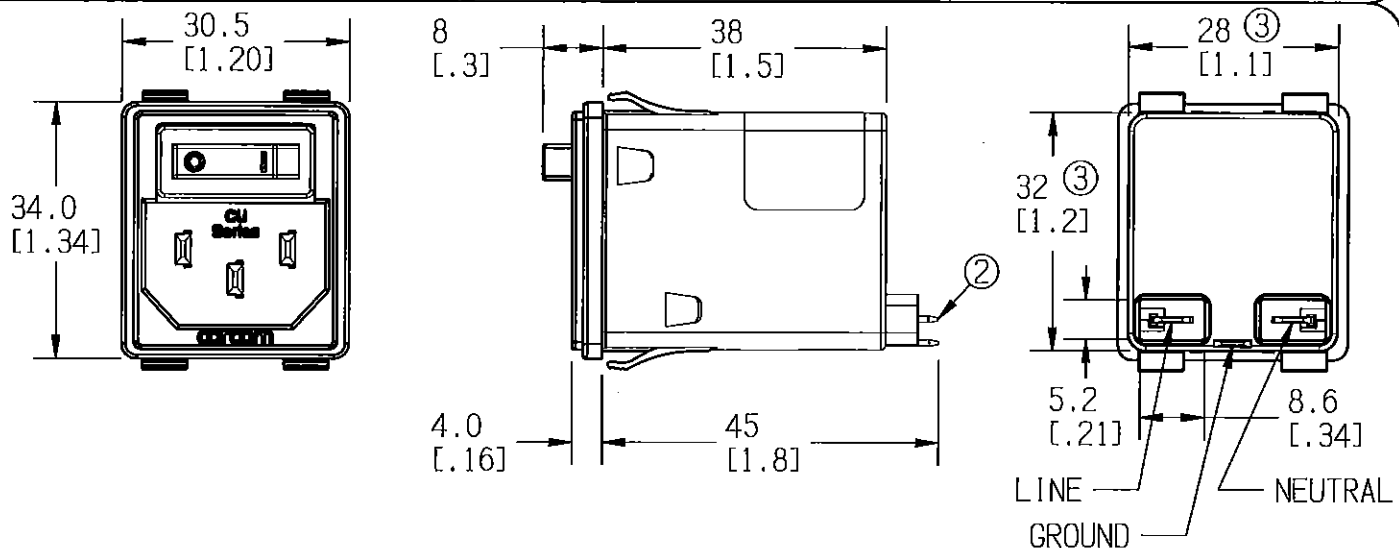
FILTER APPROVAL:

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

CUSTOMER DRAWING

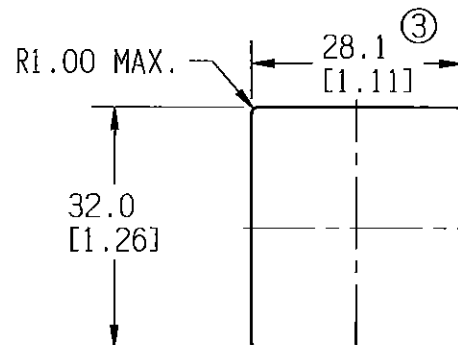
CATALOG # 1CUFS1

ECN #	APPRVD.	DATE
17-001881	JB	10FEB17



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.



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

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS											PARTS SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES													
FREQUENCY MHz	.05	.15	.5	1	5	10	30	/	/	/	/	/	UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ± 0.5 MM MATERIAL & FINISH: AS SUPPLIED											
COMMON dB	19	30	44	49	47	44	45	/	/	/	/	/	DIMENSIONS ARE: MILLIMETER (INCH)											
DIFF. dB	1	10	21	26	48	51	60	/	/	/	/	/	Tyco Electronics CORROD PRODUCTS, 620 S. BUTTERFIELD RD. HUNDELSHEIM IL 60060											
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.										POWER LINE FILTER										
A														TYCO ELECTRONICS PART NO. 2-1609113-7										
														SCALE: 1:1 DATE: 30DEC08 DRAWING NUMBER: 1CUFS1 REV. 3										
														CVM AVAILABLE X NO										
														GrKeyCreator Directorate's V00 1CUFS103.cxd										

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[1CUFS1](#)