

**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: 16 AMP, 120/250 VAC,  
 16 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.76 mA @ 120V 60Hz  
 1.27 mA @ 250V 50Hz

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

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

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

**RELIABILITY SPECIFICATIONS:**

STORAGE TEMPERATURE: -40°C TO +100°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH,  
 CURRENT OVERLOAD TEST: 6 TIMES I<sub>r</sub> FOR  
 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 2.1 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.02 µF ±20%  
 LINE TO LINE: 0.475 µF ±20%  
 DISCHARGE RESISTOR: 680K Ω  
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC,  
 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

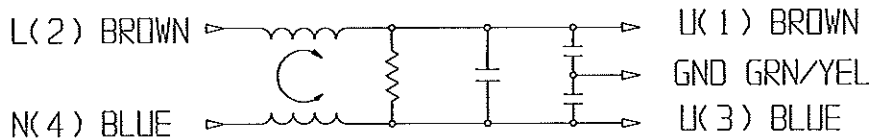
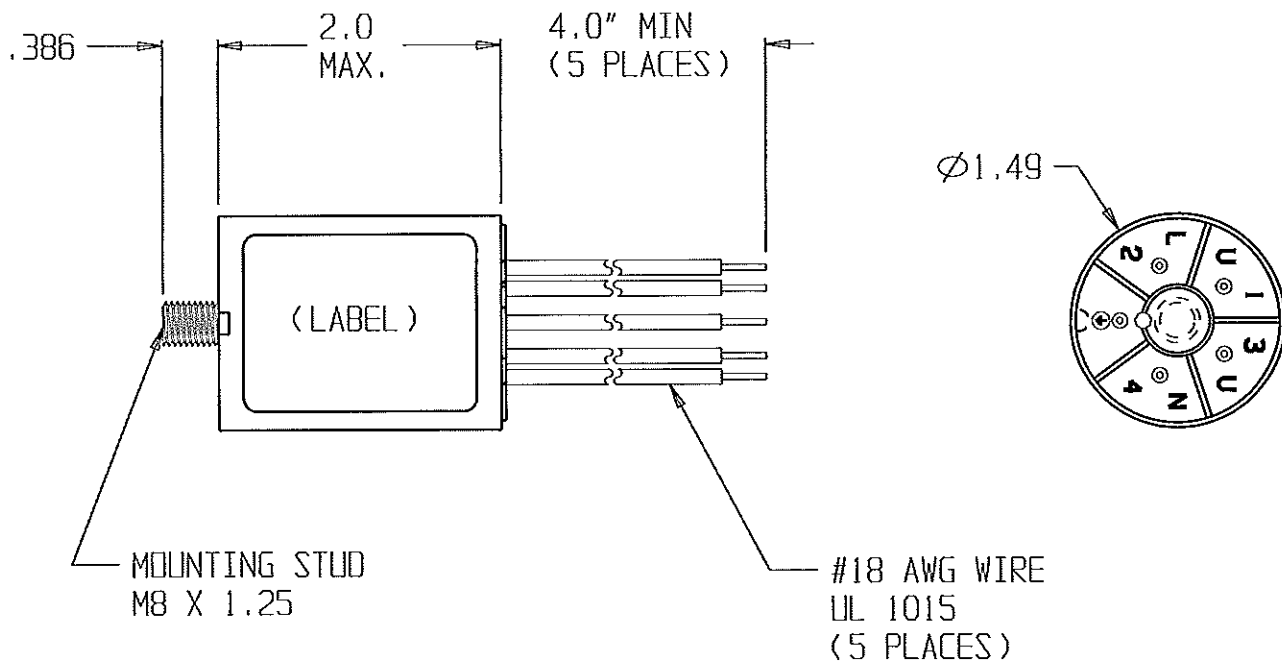
LINE TO GROUND: 1500 VAC FOR 1 MINUTE  
 LINE TO LINE: 1450 VDC FOR 1 MINUTE

**FILTER APPROVAL:**

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

CATALOG # 16WGC3

EC #	APPRVD.	DATE
09-020711	<i>[Signature]</i>	18SEP09



50Ω - 50Ω (TYPICAL) INSERTION LOSS										THIRD ANGLE PROJECTION		 CORCON PRODUCTS, 620 S. BUTTERFIELD RD., HUNDELEIN, IL 60050			
FREQUENCY MHz	.05	.1	.15	.5	1	2	5	10	20	30	UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED		POWER LINE FILTER		
COMMON dB	13	19	23	35	42	49	57	58	45	39	This document is proprietary to CORCON INC. and is not to be reproduced nor used for manufacturing purposes except on CORCON'S prior written consent.		TYCO ELECTRONICS PART NO: 7-6609089-B		REV.
DIFF. dB	13	19	23	33	40	49	62	52	60	54	SCALE: 0.75	DATE: 09DEC05	CATALOG NO.	16WGC3	2
												DRW. BY: PJJ	DRG: PJJ		