

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 60958-2

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: 0.10 mA @ 120V 60Hz
0.20 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: $I_o = I_r \sqrt{\frac{100 - T_a}{60}}$

CATALOG # 16WGD3

ECN #	APPRVD.	DATE
09-020711	PJ	18SEP09

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +100°C

HUMIDITY: 21 DAYS @ 40°C 95% RH.

CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 0.54 mH NOMINAL

CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)

LINE TO GROUND: 0.002μF ±20%

LINE TO LINE: 0.471 μF ±20%

DISCHARGE RESISTOR: 680K Ω

L/G AND L/L I.R.

NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,
20°C AND 50% RH

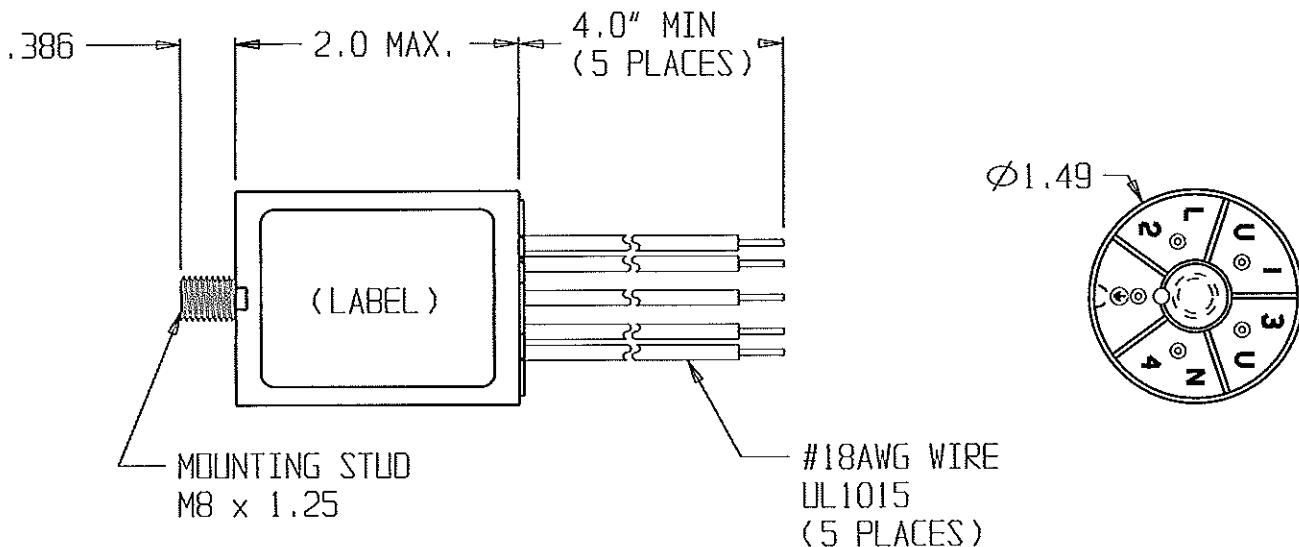
RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR 1 MINUTE

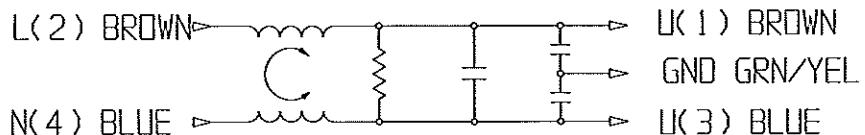
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

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



SCHEMATIC



50Ω- 50Ω (TYPICAL) INSERTION LOSS

FREQUENCY MHz	.05	.1	.15	.5	1	2	5	10	20	30
COMMON dB	6	12	15	26	30	33	36	40	48	52
DIFF. dB	16	23	26	36	43	50	66	58	62	52

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED,
TOLERANCE TO BE ±.025
MATERIAL & FINISH: AS SUPPLIED

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

CORCON PRODUCTS, 620 S. BUTTERFIELD RD. HINSDALE IL 60520

POWER LINE FILTER

TYCO ELECTRONICS PART NO: 7-6609089-9

SCALE: 0.75 DATE: 22NOV09

DRW. BY: PJO ORIG: PJO

CATALOG NO. 16WGD3 REV. 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[16WGD3](#)