

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_r .

IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING
CURRENT, I_o , IS AS FOLLOWS:

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

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: 1.3 mH NOMINAL
CAPACITANCE: (MEASURED @ 1kHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.02 μ F ±20%
LINE TO LINE: 0.475 μ F ±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:

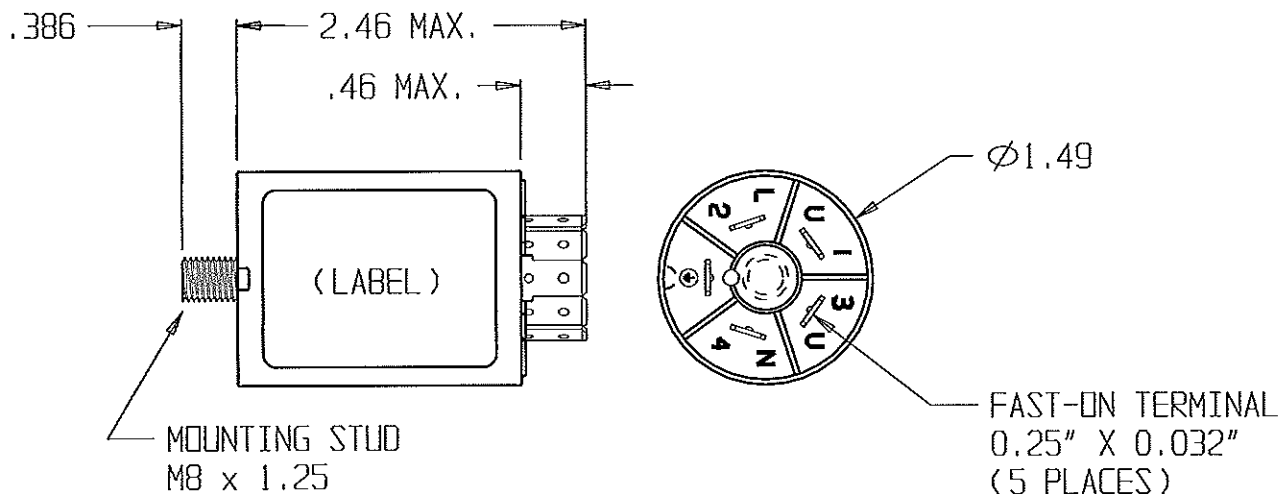
LINE TO GROUND: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

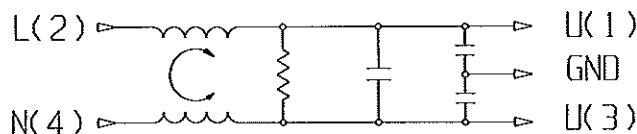
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR
YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CATALOG # 16WGB1

EC #	APPRD.	DATE
09-020711	PJO	18SEP09



SCHEMATIC



50 Ω - 50 Ω (TYPICAL) INSERTION LOSS

FREQUENCY MHz	.05	.1	.15	.5	1	2	5	10	20	30
COMMON dB	10	17	20	30	37	42	53	55	43	39
DIFF. dB	13	19	23	33	40	49	63	45	60	54

THIRD ANGLE
PROJECTION



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

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HARRISBURG, PENNSYLVANIA USA



Tyco Electronics

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POWER LINE FILTER

TYCO ELECTRONICS PART NUMBER: 4-6609089-0			
SCALE: 0.75	DATE: 20OCT04	CATALOG NO.	REV.
DRW. BY: PJO	DRG: PJO	16WGB1	3