

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 µF ±20%
 LINE TO LINE: 0.475 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:

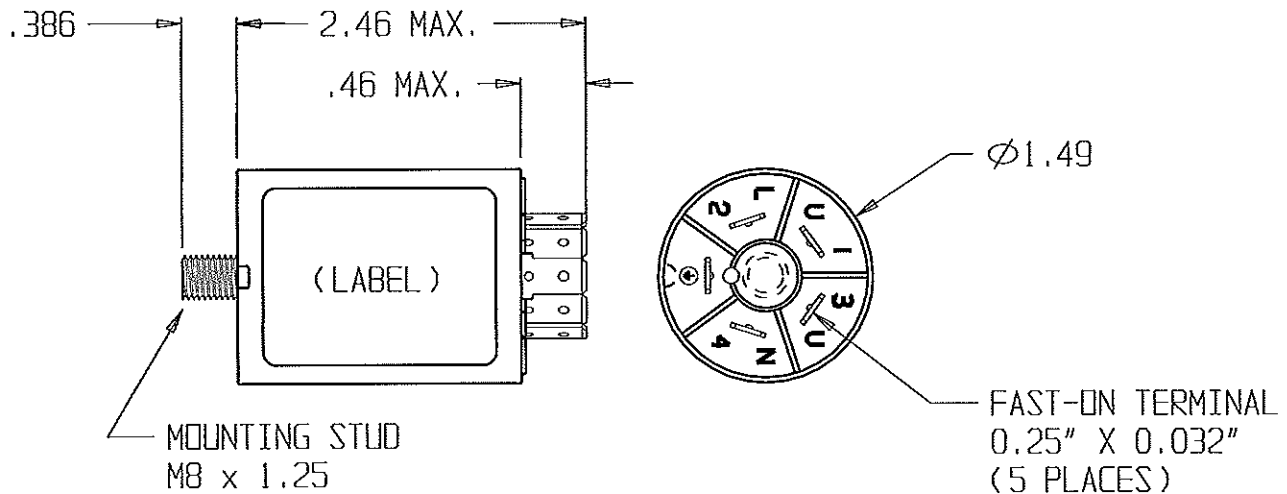
LINE TO GROUND: 1500 VAC FOR 1 MINUTE
 LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

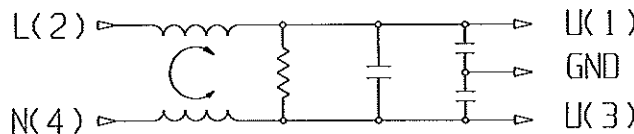
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CATALOG # 16WGB1

EC #	APPRVD.	DATE
09-020711	<i>PJO</i>	18SEP09



SCHEMATIC



50Ω - 50Ω (TYPICAL) INSERTION LOSS										THIRD ANGLE PROJECTION		Tyco Electronics CORP PRODUCTS, 620 S. BUTTERFIELD RD. MUNDLEIN IL 60060		
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	10	17	20	30	37	42	53	55	43	39	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		TYCO ELECTRONICS PART NUMBER: 4-6609089-0 SCALE: 0.75 DATE: 20OCT04 CATALOG NO. 16WGB1	
DIFF. dB	13	19	23	33	40	49	63	45	60	54	DRW. BY: PJO DATE: PJO		REV. 3	

Mouser Electronics

Authorized Distributor

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