

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: 0.5 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

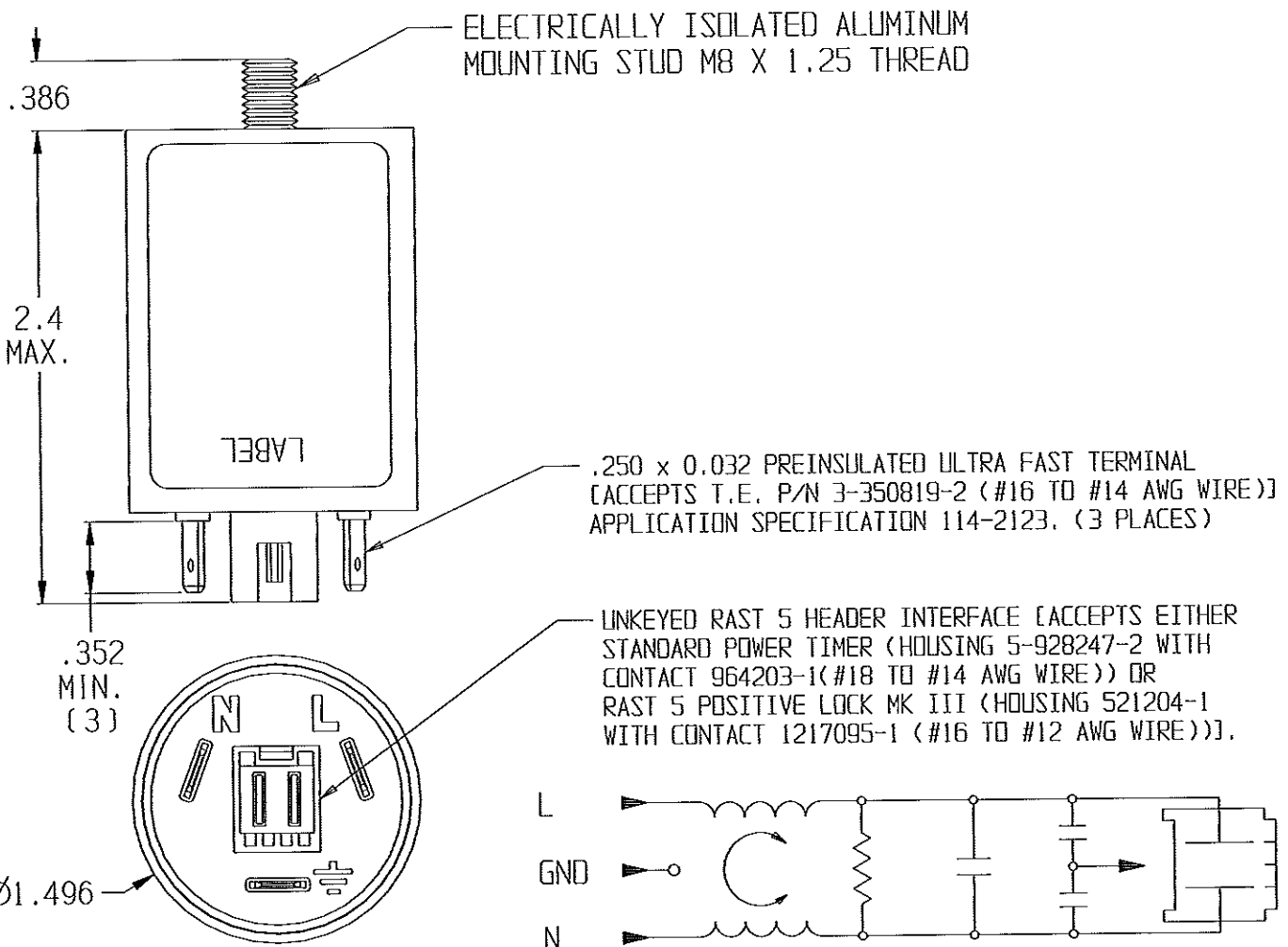
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 16WGA7

ECN #	APPROV.	DATE
09-020709	<i>[Signature]</i>	09SEP09



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS													PARTS SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES																							
FREQUENCY MHz	.05	.1	.15	.5	1	2	5	10	20	30	/	/	UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ± 0.025 MATERIAL & FINISH: AS SUPPLIED																							
COMMON dB	3	10	14	33	41	47	54	50	37	30	/	/																								
DIFF. dB	14	19	22	33	41	51	47	42	48	50	/	/	NOTES:																							
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.													
													CVM AVAILABLE										YES ☒		NO ☐											
													G:\KeyCreator\Director\tes\CD										16WGA705.cxd													



Tyco Electronics

CORPORATION, 620 S. BUTTERFIELD RD., HUNDELSIN IL 60060

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 3-1609090-8

SCALE: NTS DATE: 23MAR07
DRW. BY: PJD DRG: PJD
DRAWING NUMBER: 16WGA7
REV. 5

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[16WGA7](#) [3-1609090-8](#)