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 22.2, # 8
VDE APPROVED: EN 133200

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 3 AMP/40°, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.22mA @ 120V, 60Hz
0.38mA @ 250V, 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_0, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_0, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{60}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS
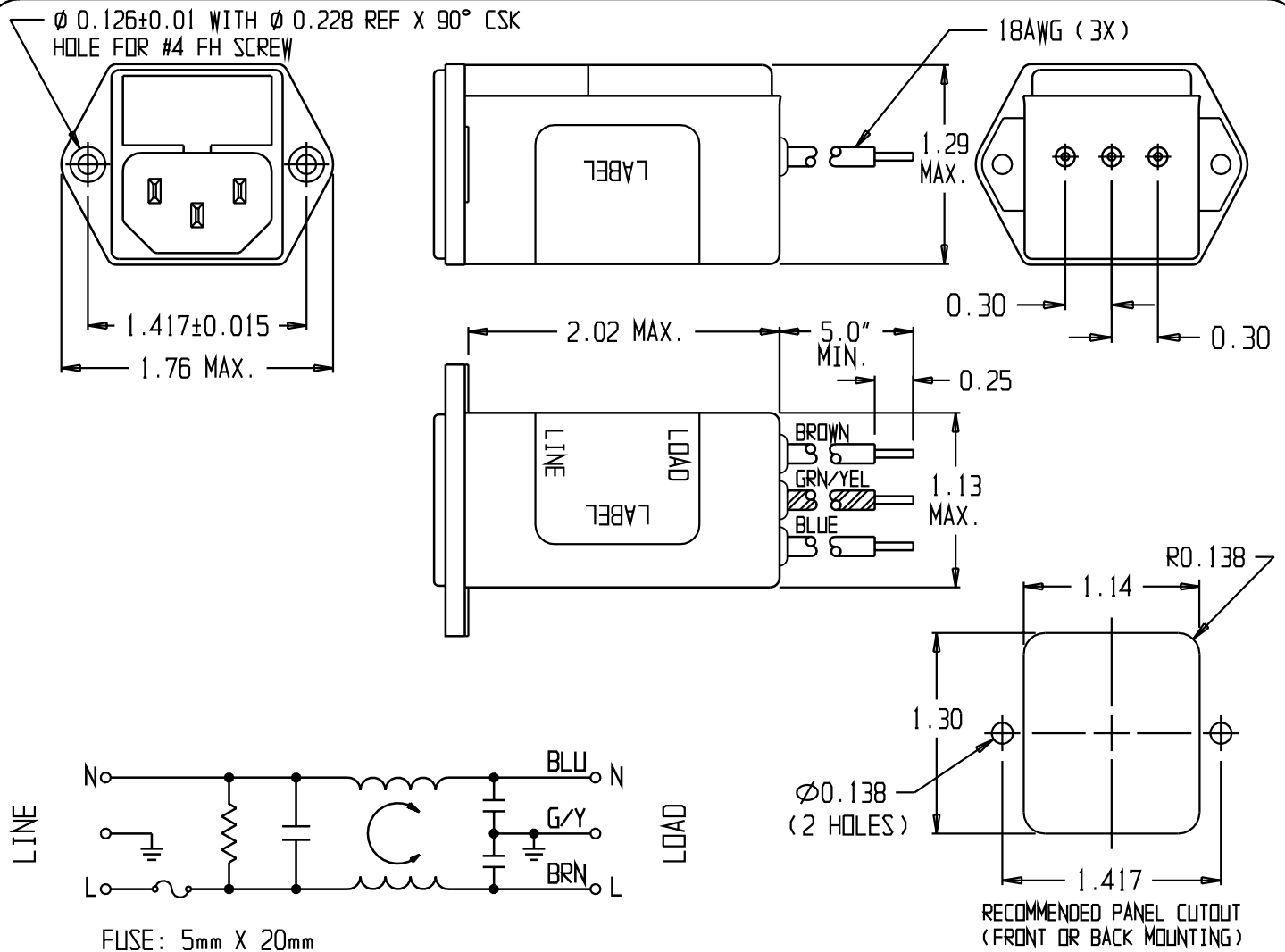
TEST SPECIFICATIONS:

INDUCTANCE: 1.99mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0053μF ±20%
LINE TO LINE: 0.101μF ±20%
DISCHARGE RESISTOR: 1.5MΩ
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: 1500VAC OR 2250VDC FOR 1 MINUTE
LINE TO LINE: 1450VDC 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.

Ø 0.126±0.01 WITH Ø 0.228 REF X 90° CSK HOLE FOR #4 FH SCREW

18AWG (3X)

1.29 MAX.

1.417±0.015
1.76 MAX.

2.02 MAX.
5.0" MIN.
0.25

0.30
0.30

LINE / LOAD / LABEL

BROWN
GRN/YEL
BLUE

1.13 MAX.

R0.138
1.14
1.30
Ø0.138 (2 HOLES)
1.417

RECOMMENDED PANEL CUTOUT (FRONT OR BACK MOUNTING)

FUSE: 5mm X 20mm

LINE — N / L
LOAD — BLU N / G/Y / BRN L

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	0.01	0.05	0.10	0.15	0.5	1.0	3.0	5.0	10	30
COMMON dB	-	10	15	19	30	36	-	48	50	53
DIFF. dB	1	-	-	2	11	14	25	38	44	40

THIRD ANGLE PROJECTION

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

tyco Electronics corcom
620 S. BUTTERFIELD ROAD MUNDELEIN IL 60060

CUSTOMER DRAWING 3EGG8-1

TYCO: 1-6609115-7

SCALE: NTS	DATE: 15OCT03	CATALOG NO.	REV.
DRW. BY: JF	ORIG: KAW	3EGG8-1	B