

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: 20 AMP, 120/250 VAC,
16 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 2µA @ 120V 60Hz
5µA @ 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:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

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: 0.306mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: NONE µF±20%
LINE TO LINE: 0.100 µF±20%
DISCHARGE RESISTOR: 1.0 MΩ
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

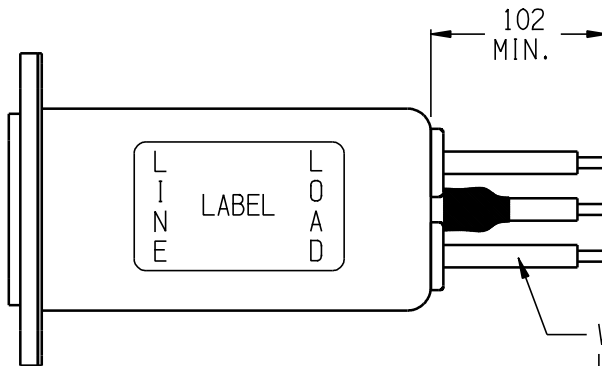
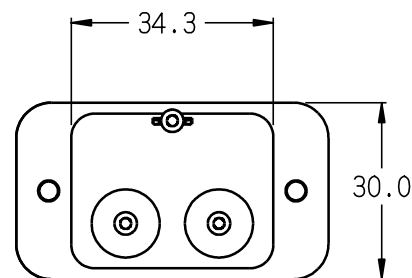
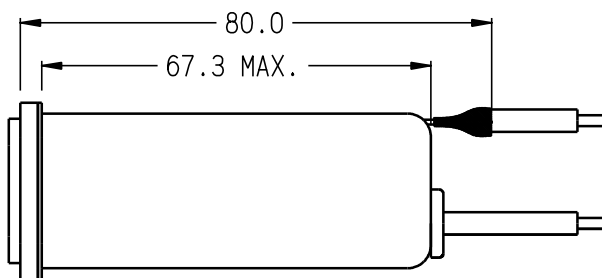
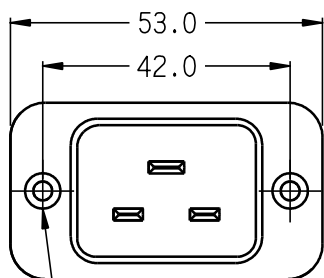
FILTER APPROVAL:

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

CUSTOMER DRAWING

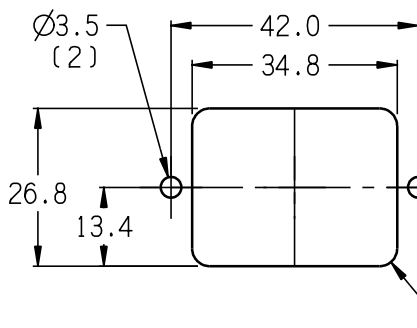
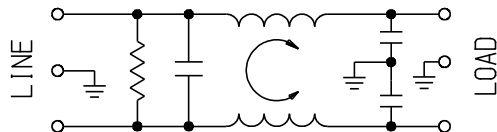
CATALOG # 20EJH8

| ECN# | APPRVD | DATE |
|-----------|--------|---------|
| 12-004115 | PJO | 28MAR12 |

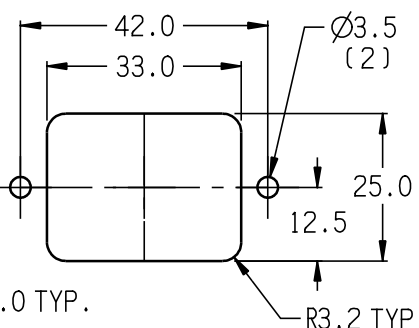


BLUE (NEUTRAL)
GREEN/YELLOW (GROUND)
BROWN (LINE)

WIRE #14 AWG
UL 1015 (3)



PANEL CUTOUT FRONT MOUNT
TOLERANCE ±.13



PANEL CUTOUT REAR MOUNT
TOLERANCE ±.13

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | 0.1 | .15 | .5 | 1 | 3 | 5 | 10 | 30 | / | / | / | / |
|---------------|-----|-----|----|----|----|----|----|----|---|---|---|---|
| COMMON dB | 3 | 5 | 14 | 16 | 13 | 12 | 11 | 11 | / | / | / | / |
| DIFF. dB | 5 | 8 | 19 | 24 | 25 | 35 | 33 | 28 | / | / | / | / |

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ±0.64 MATERIAL & FINISH: AS SUPPLIED DIMENSIONS IN MILLIMETERS



NOTES:

POWER LINE FILTER

TE PART NO.: 0-6609009-5

| | | | |
|--------------|---------------|------------------------|--------|
| SCALE: 3/4 | DATE: 12DEC01 | DRAWING NUMBER: 20EJH8 | REV. 4 |
| DRW. BY: LJD | DRTG: PJO | | |