CUSTOMER DRAWING

CATALOG # 10EJHS1

ECN #	APPRVD.	DATE
24-271638	JB	21JUN24

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, No. 8
VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 10 AMP, 120/250 VAC,
10 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

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

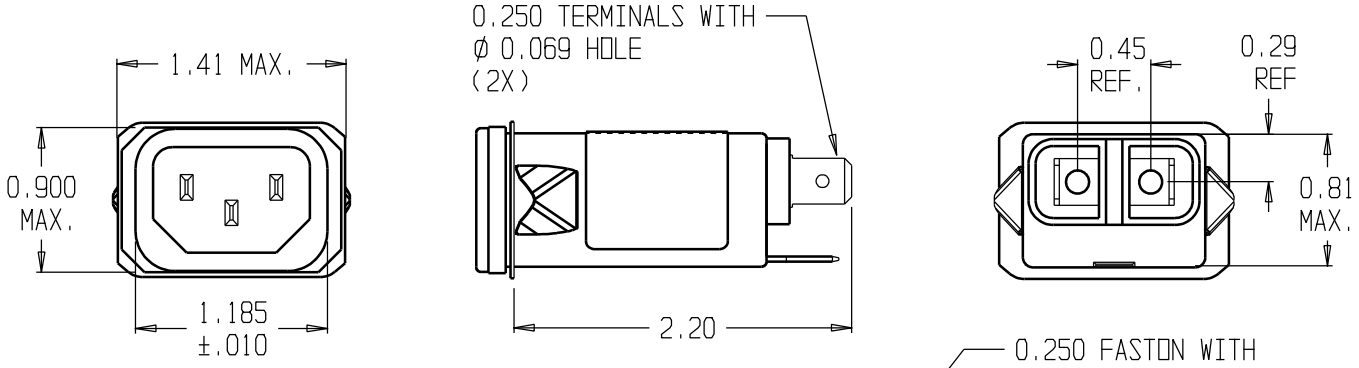
INDUCTANCE: 35.0 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: NONE µF
LINE TO LINE: 0.10 µF±20%
DISCHARGE RESISTOR: 1.5MΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

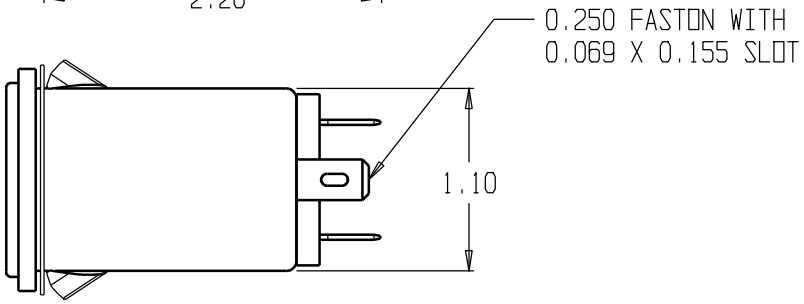
RECOMMENDED RECEIVING INSPECTION HIPOT:

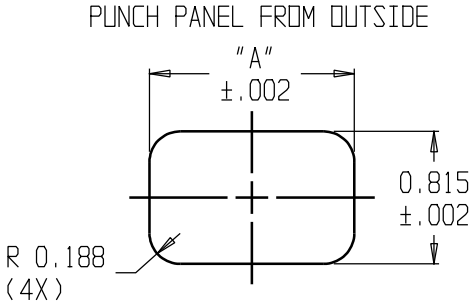
LINE TO GROUND: 1500 VAC OR 2250 VDC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

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

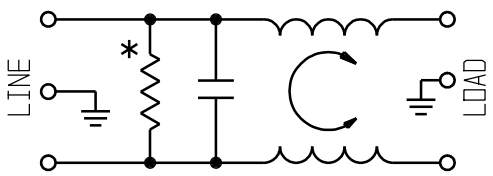






PANEL CUTOUT (FRONT MOUNT)

PANEL THICKNESS	PANEL CUTOUT "A"
0.031-0.052	1.260
0.046-0.068	1.350



* RESISTOR LOCATION OPTIONAL

50Ω- 50Ω(MINIMUM) INSERTION LOSS

FREQUENCY MHz	.05	.10	.15	.50	1	5	10	30			
COMMON dB	1	4	7	12	17	19	18	18			
DIFF. dB	-	5	8	17	22	32	30	30			

THIRD ANGLE PROJECTION

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

TE Connectivity

POWER LINE FILTER

CAD FILE:	10EJHS1-C.ckd	TE PART #: 1-6609008-9	
SCALE: NTS	DATE: 11-12-04	CATALOG NO. 10EJHS1	REV. C
DRW. BY: SD	DRIG: ELC		