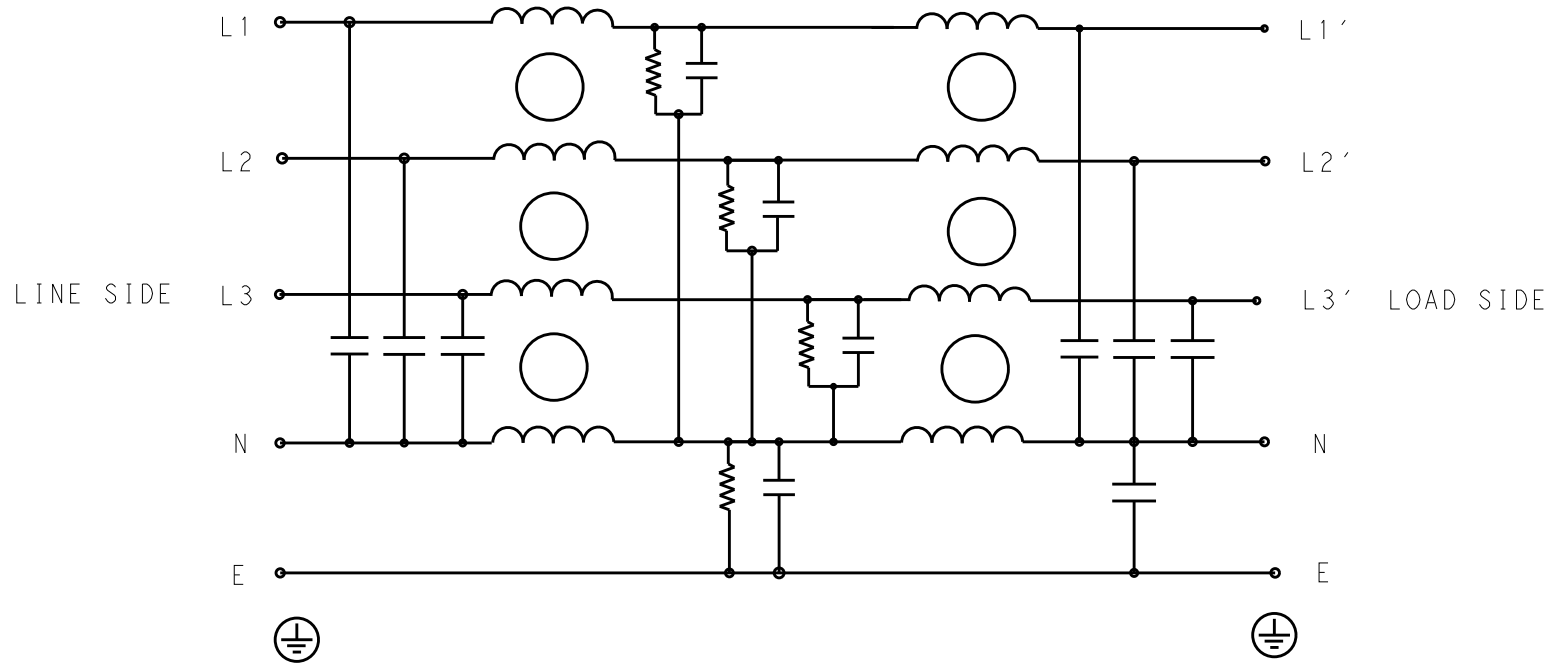


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



SCHEMATIC

SAFETY ORGANIZATIONS

THIS FILTER WILL BE FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS WILL BE MET:

UL RECOGNIZED* 100A 440V 50Hz/60Hz 50°C
 CSA CERTIFIED** 100A 440V 50Hz/60Hz 50°C
 *31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 100A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 11mA @ 230VAC, 50Hz

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -10°C TO +50°C

IN AN AMBIENT, T_a, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{105 - T_a}{55}}$$

RELIABILITY SPECIFICATIONS

STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C AND 95% RH

TEST SPECIFICATIONS

INDUCTANCE, NOMINAL: 0.2mH

CAPACITANCE @ 1kHz
NEUTRAL TO GROUND, NOMINAL: 2.2µF
LINE TO NEUTRAL, NOMINAL: 6.6µF

DISCHARGE RESISTOR

L/L I.R. 2MΩ 2W
 L/N I.R. 1.5MΩ 2W
 L/G I.R. 2MΩ 2W
 N/G I.R. 680KΩ 2W
 IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT

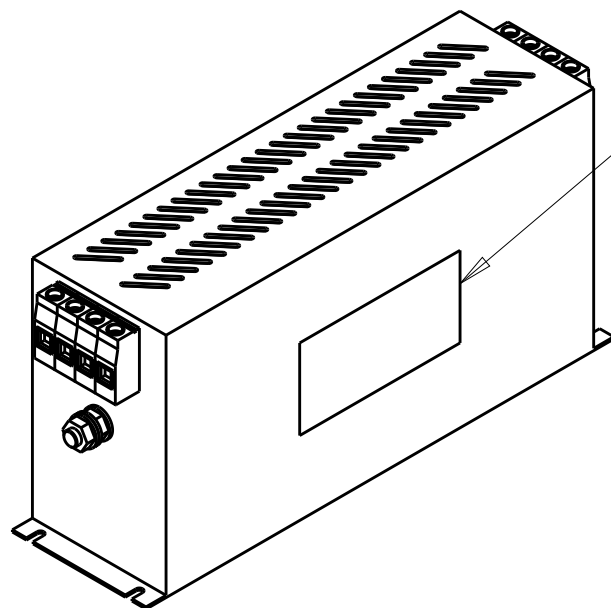
LINE TO GROUND FOR 1 MINUTE: 2632VDC
LINE TO LINE FOR 1 MINUTE: 1892VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1093VDC

FILTER APPROVAL

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

TYPICAL INSERTION LOSS
COMMON MODE 50/50Ω; DIFFERENTIAL MODE 50/50Ω

MHz	0.01	0.05	0.15	0.5	1	3	5	10	30
CM	40	37	42	32	36	48	50	46	20
DM	45	40	50	25	32	50	47	32	22



LABEL TO TE MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 20FEB2020 SHRICHARANA B			
DIMENSIONS: mm		CHK 20FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 20FEB2020 LEO IRUDHAYARAJ		NAME POWER LINE FILTER 100KEVD10ABSW	
0 PLC ±0.5		PRODUCT SPEC		SIZE	
1 PLC ±0.40		APPLICATION SPEC		CAGE CODE	
2 PLC ±0.130		WEIGHT		DRAWING NO	
3 PLC ±0.0500		CUSTOMER DRAWING		A300779	
4 PLC ANGLES ±		SCALE 1:4		SHEET 1 OF 2	
MATERIAL		FINISH		DRAWING NO C-2-1609998-6	
-		-		RESTRICTED TO	
-		-		REV B	

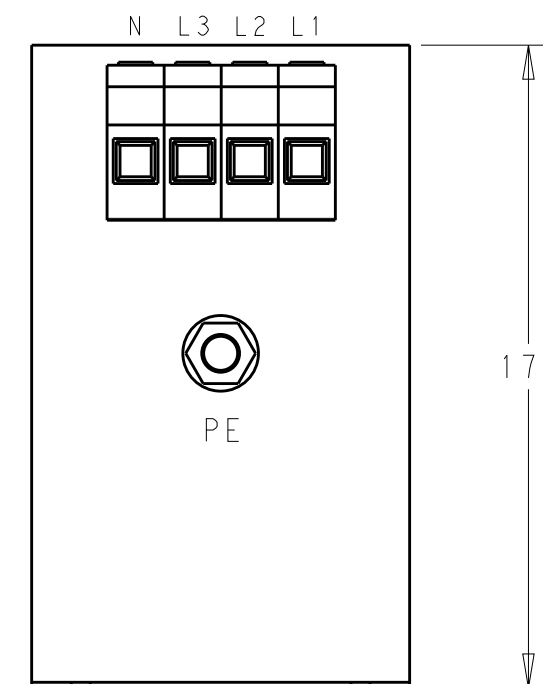
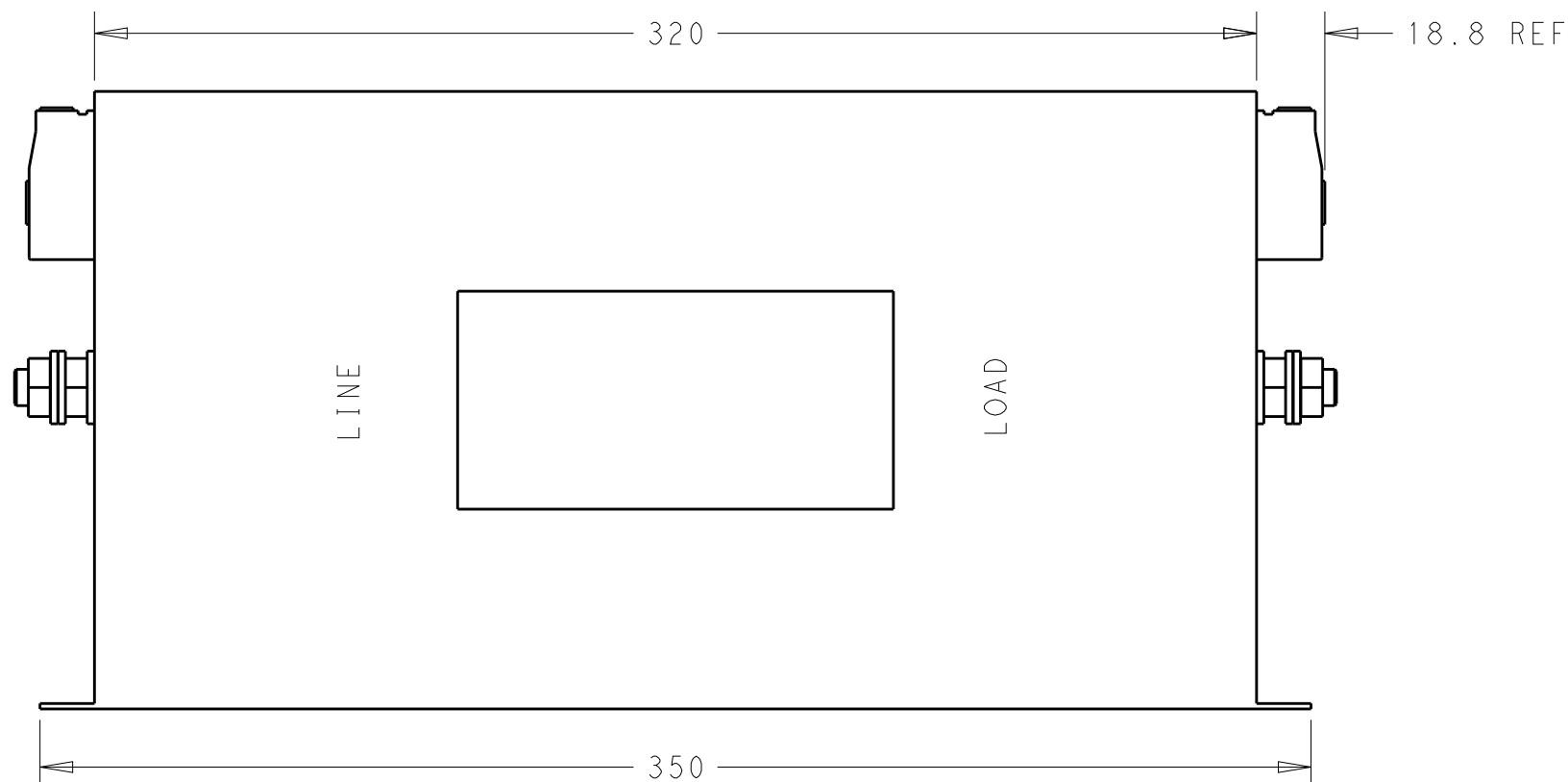
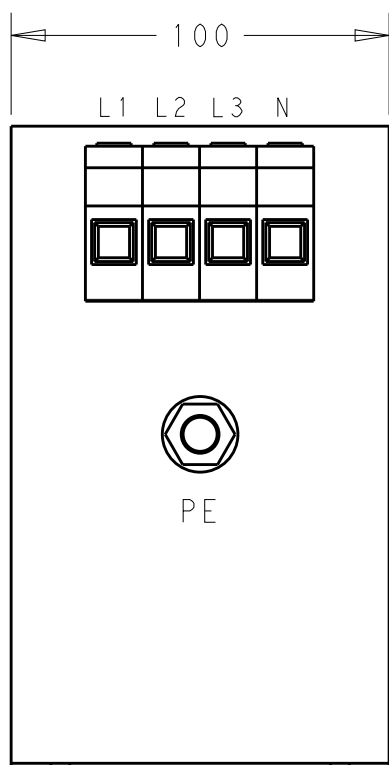
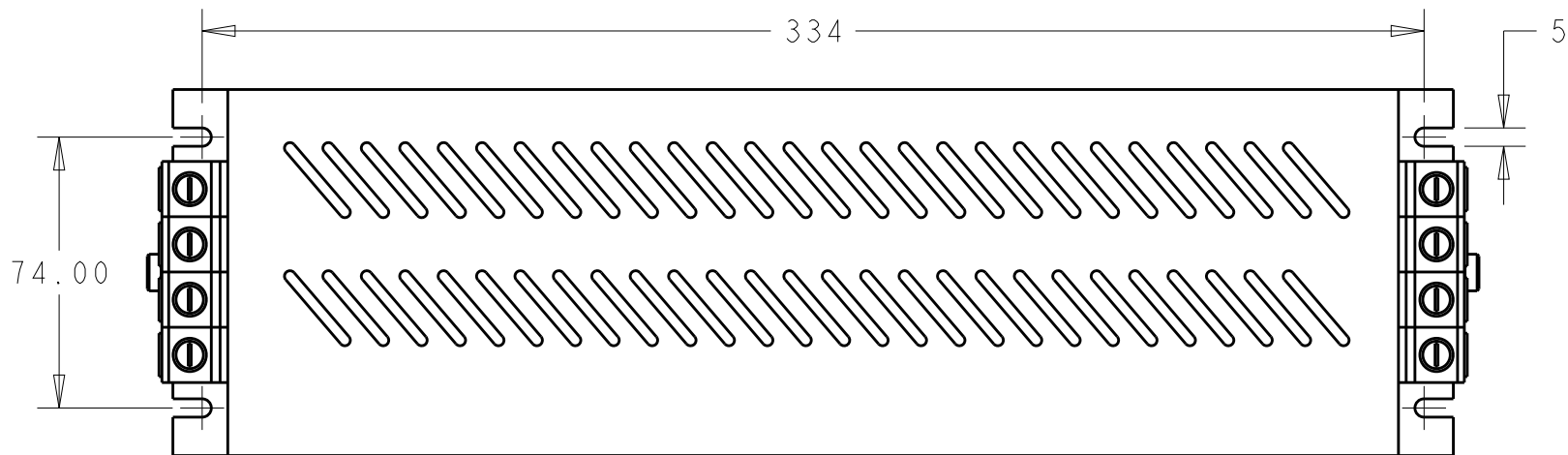
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NOTE 1 GROUND CONNECTION:
 DO NOT LOOSEN INNER GROUND NUTS.
 TORQUE OUTER TERMINAL SCREWS: 2 Nm / 18 in.lbs
 TORQUE GROUND NUTS: 4-10Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
 AWG SIZE: 8-4 AWG
 WIRE SECTION: 25mm²
 THREADED BOLT SIZE FOR GROUND: M10

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	20FEB2020	TE TE Connectivity			
		CHK	20FEB2020				
		APVD	20FEB2020				
		NAME	LEO IRUDHAYARAJ				
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		POWER LINE FILTER 100KEVD10ABSW			
		0 PLC	±0.5	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		1 PLC	±0.40	A3	00779	C-2-1609998-6	-
		2 PLC	±0.130	CUSTOMER DRAWING			
		3 PLC	±0.0500	SCALE	1:2	SHEET	2 OF 2
		4 PLC	±0.0500	REV B			
		ANGLES	±				
MATERIAL		FINISH					