

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

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 40°C
CSA CERTIFIED** 100A 440V 50Hz/60Hz 40°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: -25°C TO +40°C

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 AND 95% RH

TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 0.1mH

CAPACITANCE @ 1kHz
NEUTRAL TO GROUND, NOMINAL: 1µF
LINE TO NEUTRAL, NOMINAL: 8.8µF

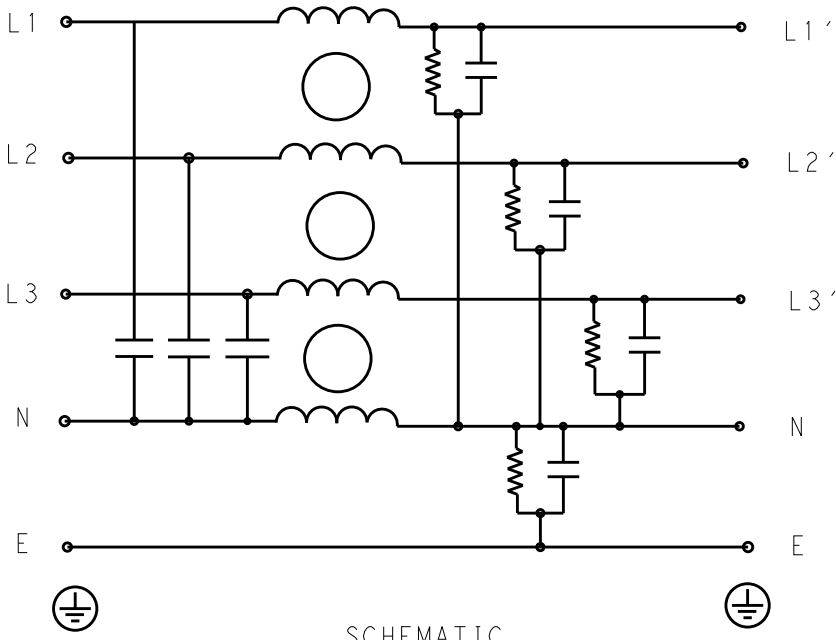
DISCHARGE RESISTOR
L/L I.R. 2MΩ 2W
L/N I.R. 1.5MΩ 2W
L/G I.R. 2MΩ 2W
N/G I.R. 680KΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOI
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.

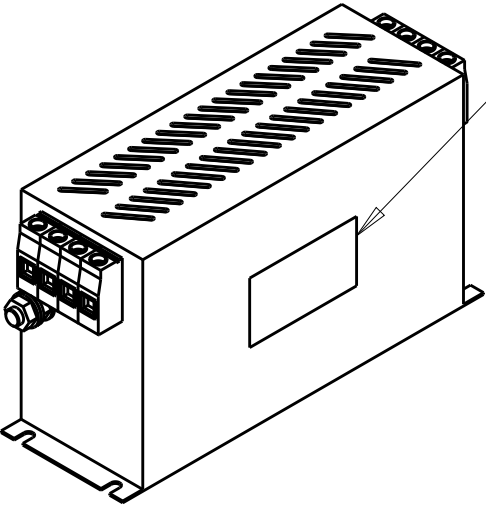
LINE SIDE

LOAD SIDE


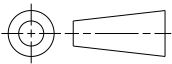


TYPICAL INSERTION LOSS
COMMON MODE 50/50Ω; DIFFERENTIAL MODE 50/50Ω

MHz	0.01	0.05	0.15	0.5	1	3	5	10	30
CM	24	24	29	56	46	50	54	23	12
DM	17	20	23	42	40	52	58	20	20



LABEL TO TE
MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICARANA B 27FEB2020	 TE Connectivity																	
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 27FEB2020	NAME POWER LINE FILTER 100KEPS10ABSW																	
		APVD LEO IRUDHAYARAJ 27FEB2020																		
<table><tr><td colspan="2">TOLERANCES UNLESS OTHERWISE SPECIFIED:</td></tr><tr><td>0 PLC</td><td>±-</td></tr><tr><td>1 PLC</td><td>±0.5</td></tr><tr><td>2 PLC</td><td>±0.40</td></tr><tr><td>3 PLC</td><td>±0.130</td></tr><tr><td>4 PLC</td><td>±0.0500</td></tr><tr><td>ANGLES</td><td>±-</td></tr></table>		TOLERANCES UNLESS OTHERWISE SPECIFIED:		0 PLC	±-	1 PLC	±0.5	2 PLC	±0.40	3 PLC	±0.130	4 PLC	±0.0500	ANGLES	±-	PRODUCT SPEC -	SIZE A3			
		TOLERANCES UNLESS OTHERWISE SPECIFIED:																		
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2 PLC	±0.40																			
3 PLC	±0.130																			
4 PLC	±0.0500																			
ANGLES	±-																			
APPLICATION SPEC -	CAGE CODE 00779																			
MATERIAL - -					FINISH - -	WEIGHT -	DRAWING NO C-3-1609968-5													
CUSTOMER DRAWING		SCALE 1:4		SHEET 1 OF 2																
				REV B																

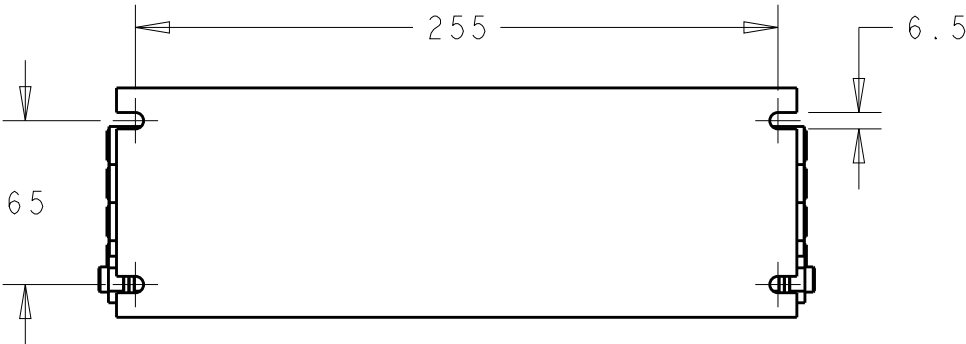
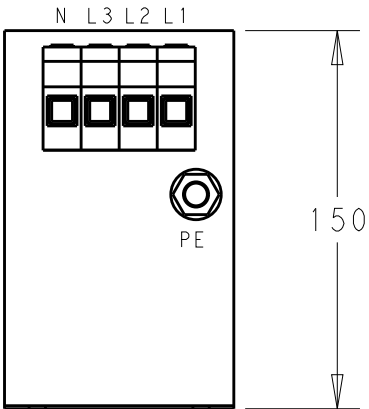
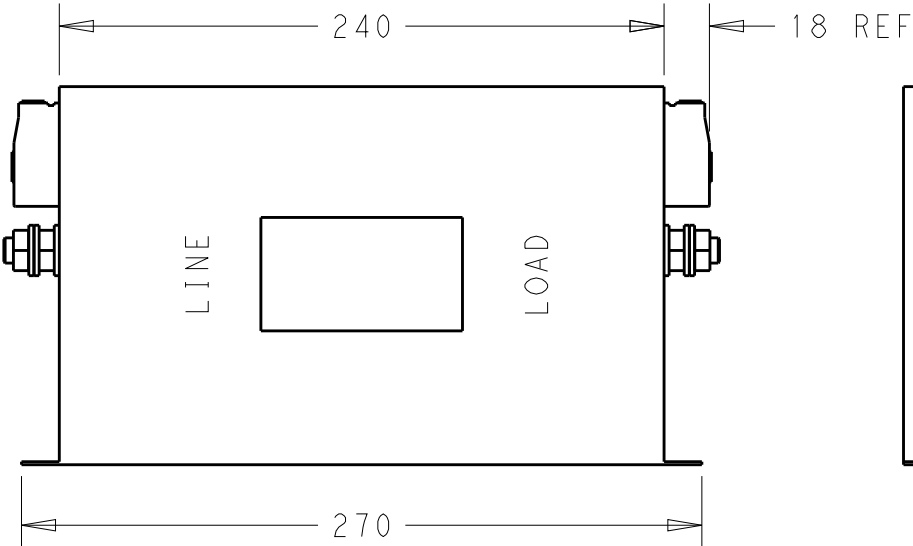
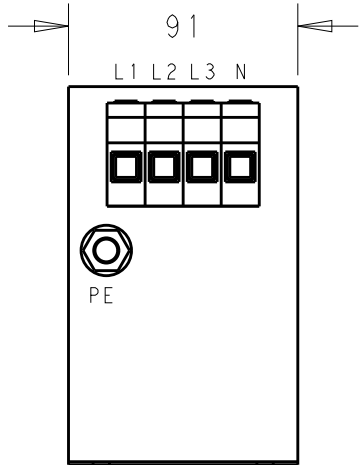
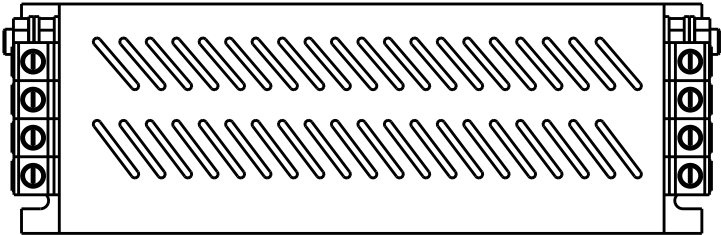
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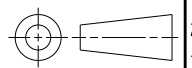
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREW: 2Nm / 18 in.lbs
TORQUE GROUND NUTS: 4-10Nm

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

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 27FEB2020			
		APVD LEO IRUDHAYARAJ 27FEB2020	NAME POWER LINE FILTER 100KEPS10ABSW		
		PRODUCT SPEC -			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	SIZE A300779		
0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.4 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		WEIGHT -			
MATERIAL -		FINISH -	DRAWING NO C-3-1609968-5		
-		-			
CUSTOMER DRAWING			SCALE 1:3	SHEET 2 OF 2	REV B