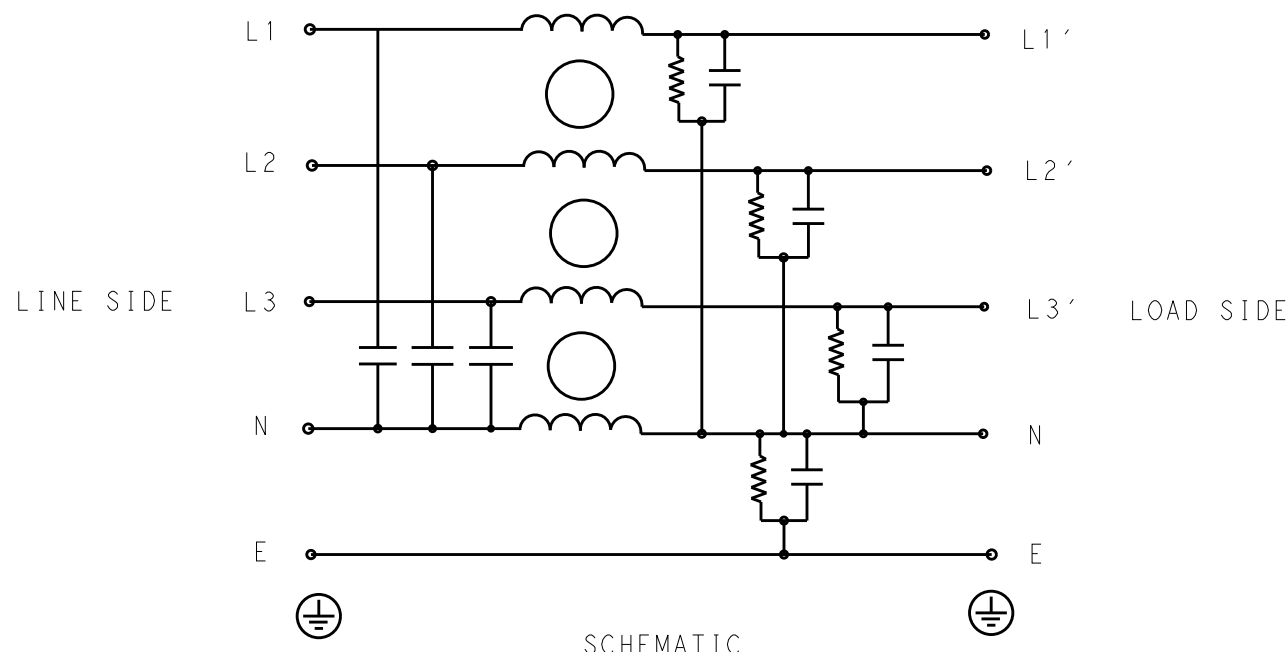
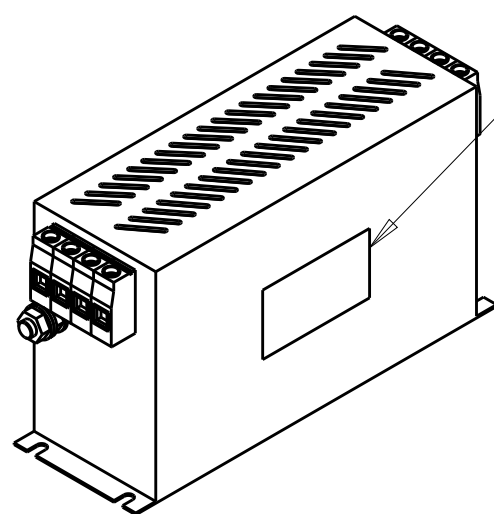


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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

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 520V 50Hz/60Hz 40°C
 CSA CERTIFIED** 100A 520V 50Hz/60Hz 40°C
 *31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 100A, 520VAC
 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 HIPOT

LINE TO GROUND FOR 1 MINUTE: 2856VDC
 LINE TO LINE FOR 1 MINUTE: 2236VDC
 LINE TO NEUTRAL FOR 1 MINUTE: 1290VDC

FILTER APPROVAL

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27FEB2020 SHRICHARANA B		TE Connectivity	
DIMENSIONS: mm		CHK 27FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 27FEB2020 LEO IRUDHAYARAJ		NAME POWER LINE FILTER 100KEPS10BBSW	
0 PLC ±-		PRODUCT SPEC		SIZE	
1 PLC ±0.5		APPLICATION SPEC		CAGE CODE	
2 PLC ±0.40		WEIGHT		DRAWING NO	
3 PLC ±0.130		CUSTOMER DRAWING		A300779	
4 PLC ±0.0500		SCALE		G-6-1609968-5	
ANGLES ±-		SHEET		1 OF 2	
MATERIAL		FINISH		REV	
-		-		B	

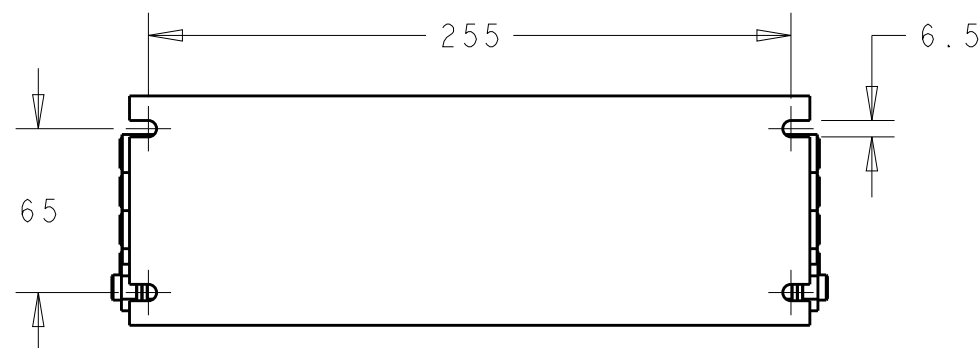
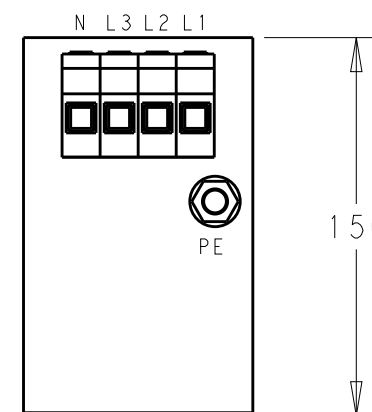
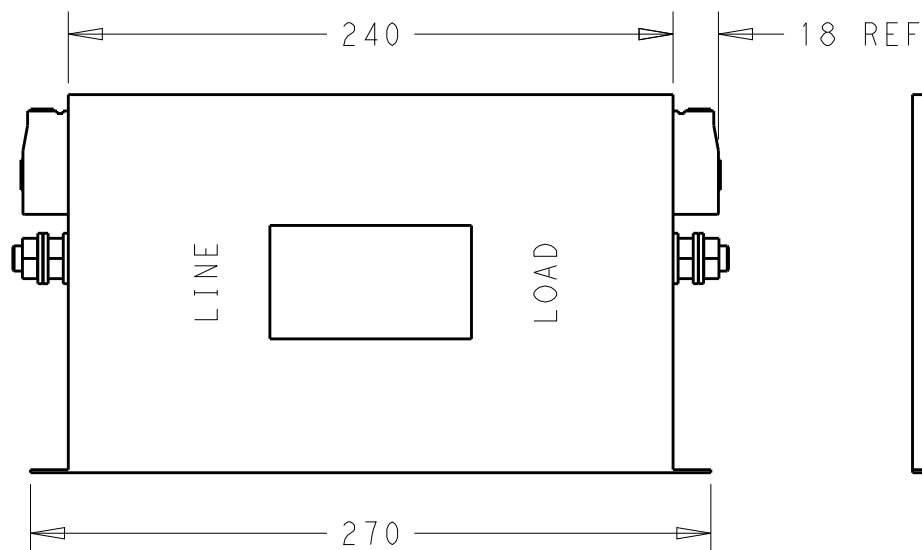
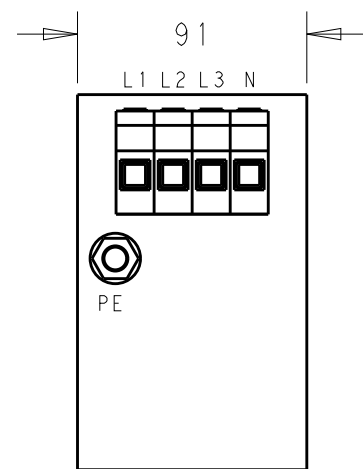
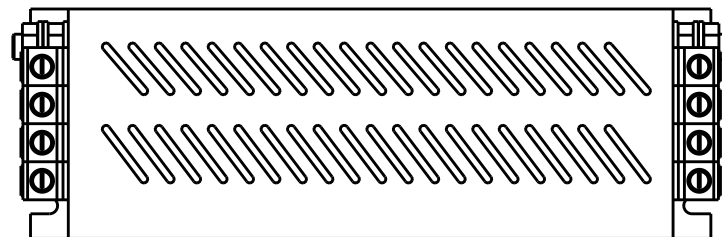
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REVISIONS

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

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	27FEB2020	TE TE Connectivity
		CHK	27FEB2020	
		APVD	27FEB2020	
		PRODUCT SPEC	LEO IRUDHAYARAJ	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME
		0 PLC	±-	POWER LINE FILTER
		1 PLC	±0.5	100KEPS10BBSW
		2 PLC	±0.40	SIZE
		3 PLC	±0.130	CAGE CODE
		4 PLC	±0.0500	DRAWING NO
		ANGLES	±-	RESTRICTED TO
MATERIAL		FINISH		WEIGHT
-		-		A300779
-		-		C-6-1609968-5
		CUSTOMER DRAWING		SCALE
				1:3
				SHEET
				2 OF 2
				REV
				B