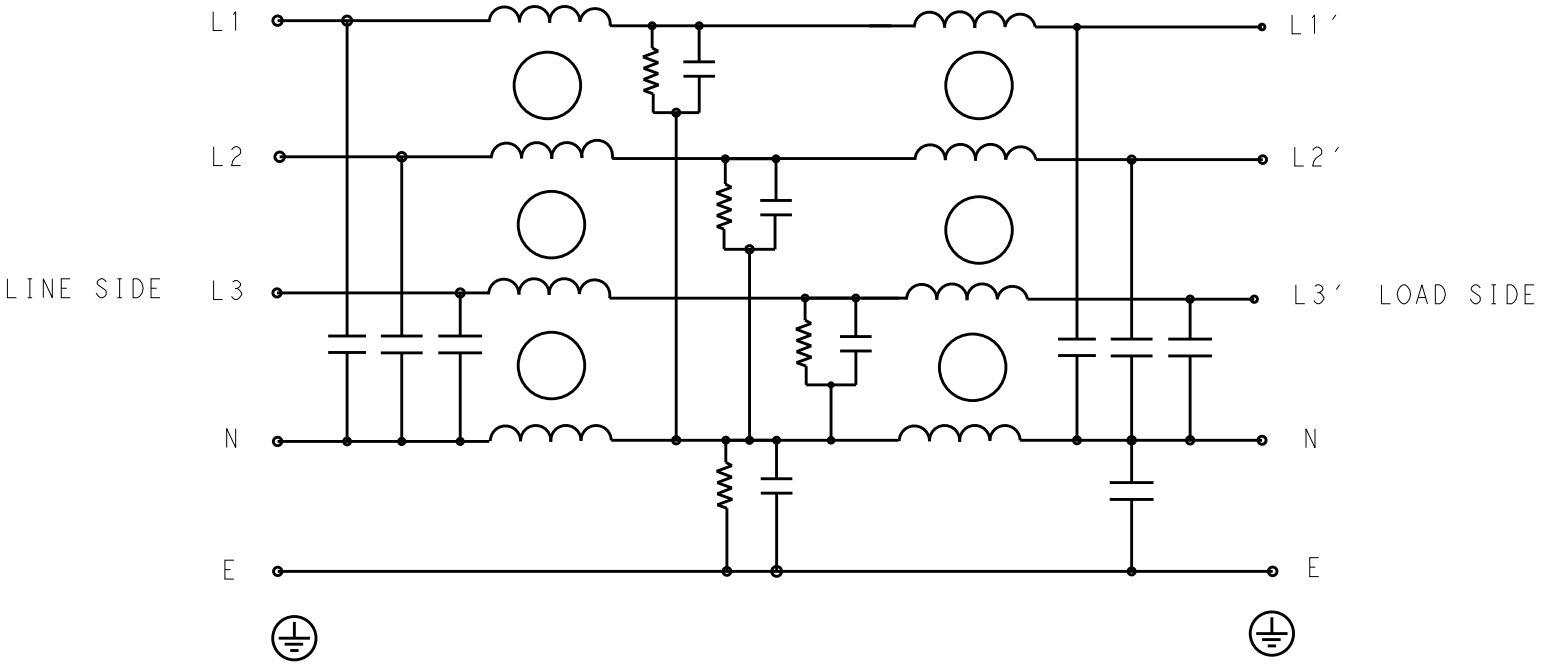


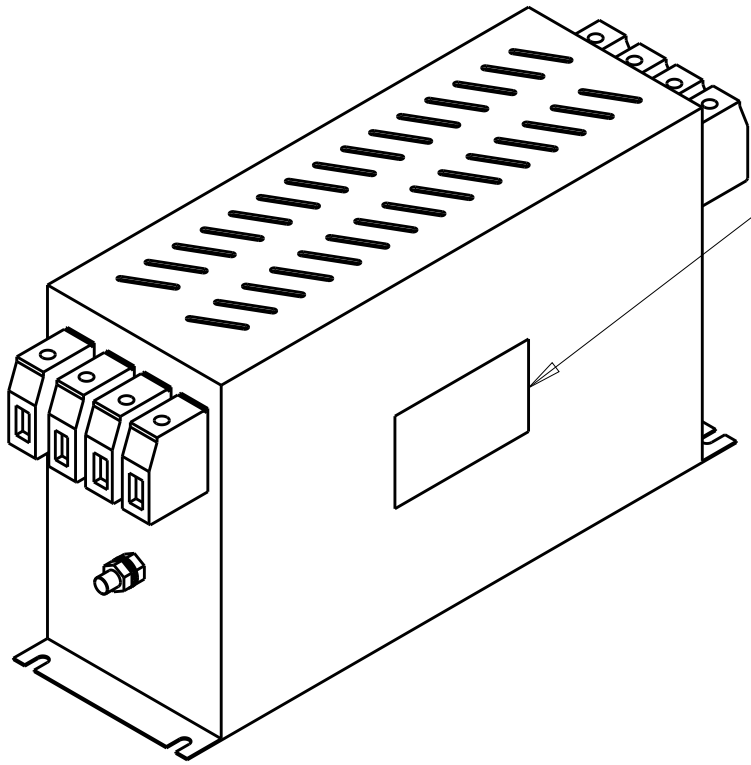
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



SCHEMATIC

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	31	33	44	61	56	47	43	36	21
DM	44	45	43	56	47	33	27	22	22



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\* 150A 440V 50Hz/60Hz 50°C  
CSA CERTIFIED\*\* 150A 440V 50Hz/60Hz 50°C  
\*31 JULY 2020 ; \*\*31 AUGUST 2020

OPERATING SPECIFICATION  
LINE CURRENT/VOLTAGE: 150A, 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<sub>a</sub>, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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


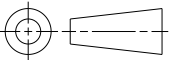
TEST SPECIFICATIONS  
INDUCTANCE, NOMINAL: 0.2mH

CAPACITANCE @ 1kHz  
NEUTRAL TO GROUND, NOMINAL: 2.2μF  
LINE TO NEUTRAL, NOMINAL: 13.2μF

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.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B 02MAR2020	 TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 02MAR2020			
		APVD LEO IRUDHAYARAJ 02MAR2020	NAME POWER LINE FILTER 150KEVD10ABSW		
		PRODUCT SPEC -	SIZE A300779		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -			
MATERIAL -		WEIGHT -	DRAWING NO C-2-1609998-8		RESTRICTED TO -
FINISH -		CUSTOMER DRAWING		SCALE 1:4	SHEET 1 OF 2
				REV B	

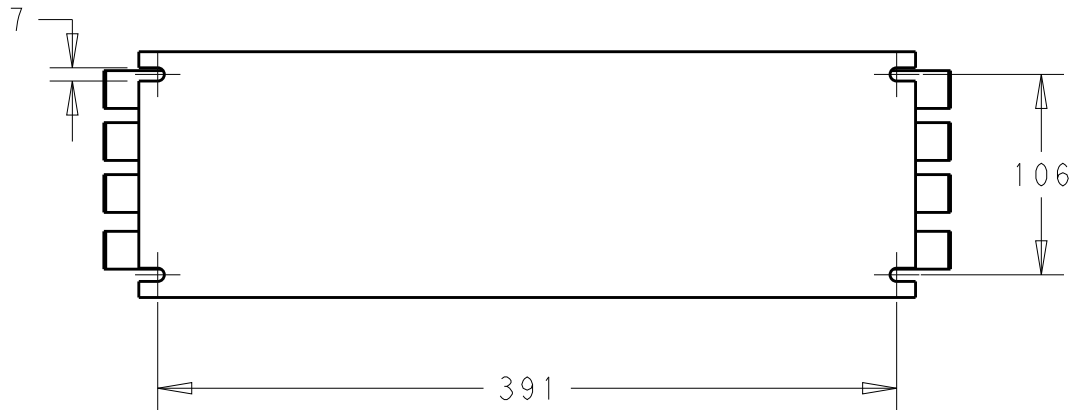
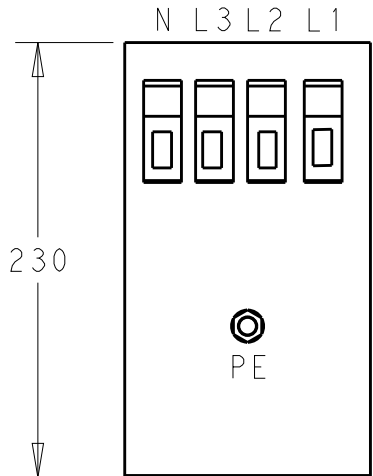
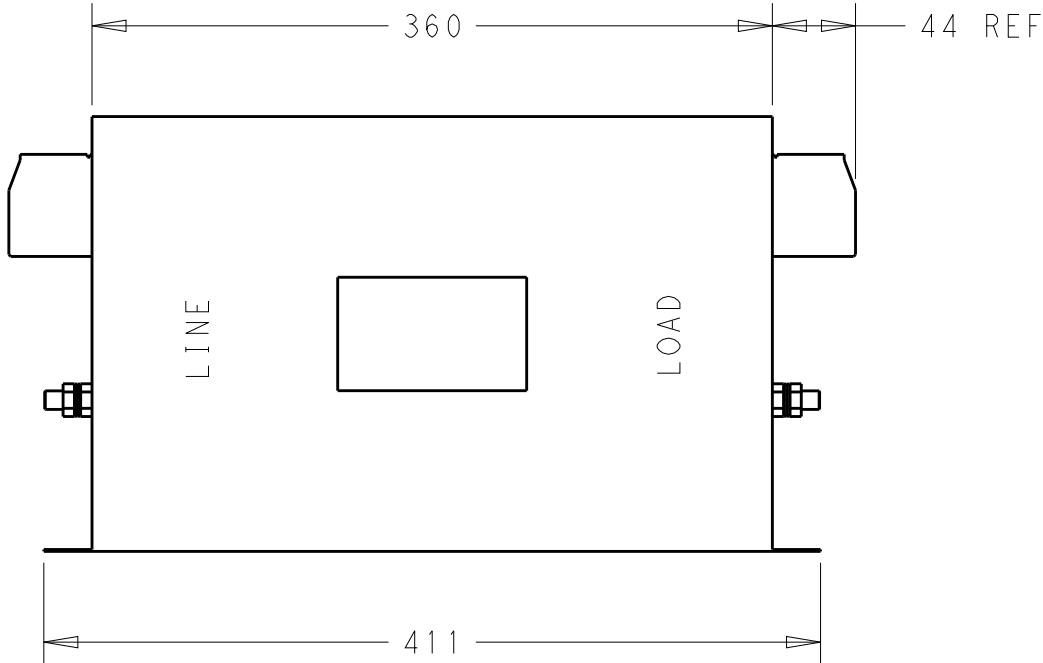
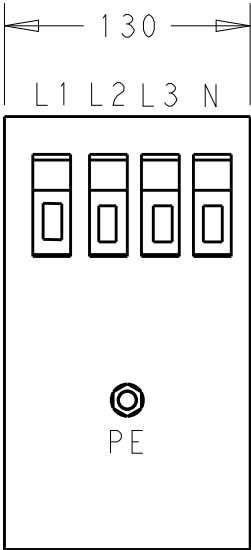
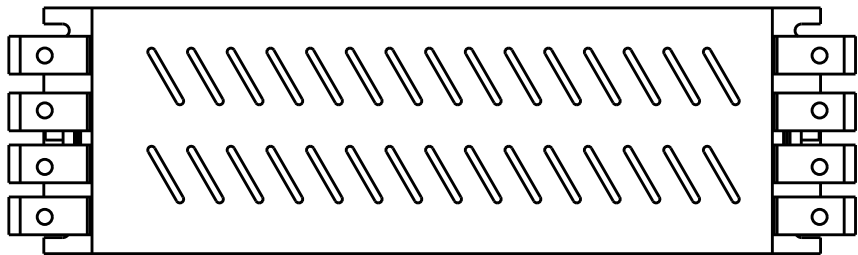
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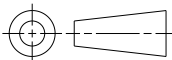
NOTE 1 GROUND CONNECTION:  
DO NOT LOOSEN INNER GROUND NUTS.  
TORQUE OUTER TERMINAL SCREWS: 6 Nm / 54 in.lbs  
TORQUE GROUND NUTS: 4-10Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
AWG SIZE: 6-1 AWG  
WIRE SECTION: 50mm<sup>2</sup>  
THREADED BOLT SIZE FOR GROUND: M10

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 02MAR2020 SHRICHARANA B	 TE Connectivity		
		CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 150KEVD10ABSW		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
		0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		APPLICATION SPEC	
				-	
MATERIAL		FINISH		WEIGHT	
-		-		-	
-		-		CUSTOMER DRAWING	
			SIZE A3	CAGE CODE 00779	DRAWING NO C-2-1609998-8
			SCALE 1:4		SHEET 2 OF 2
			REV B		RESTRICTED TO -