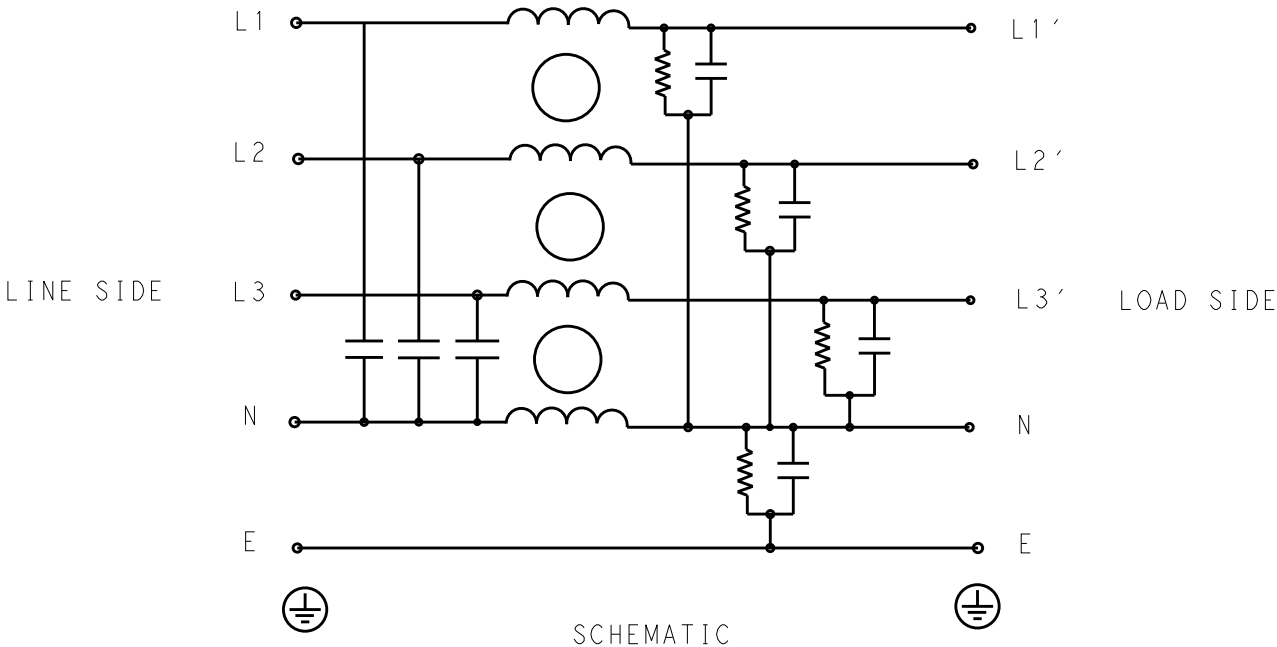


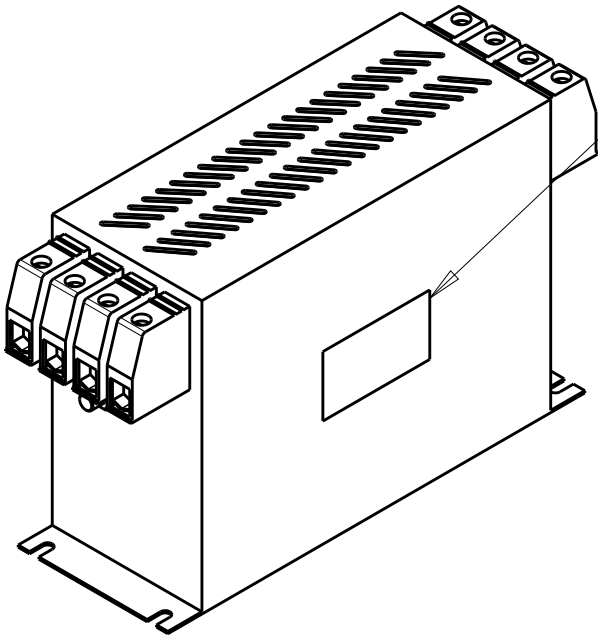
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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	24	25	31	50	41	30	26	21	13
DM	42	43	47	48	41	30	24	18	18



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 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 150A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 150A, 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 SHRICARANA B 27FEB2020	TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK LEO IRUDHAYARAJ 27FEB2020			
		APVD LEO IRUDHAYARAJ 27FEB2020			
		PRODUCT SPEC			
	0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.4 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5	APPLICATION SPEC	NAME POWER LINE FILTER 150KEPS10BBSW		
MATERIAL	FINISH	WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-6-1609968-7
			RESTRICTED TO		
CUSTOMER DRAWING		SCALE 1:4	SHEET 1	OF 2	REV B

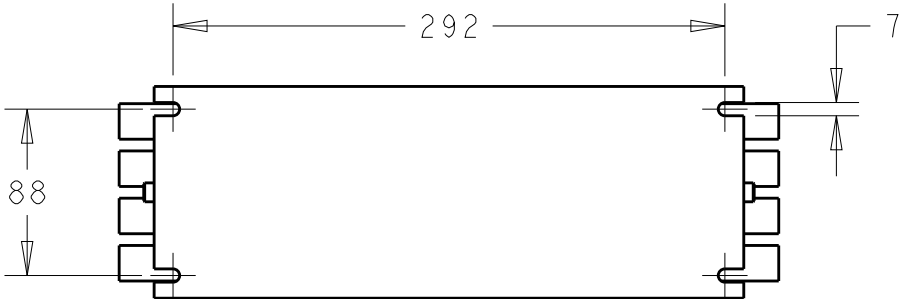
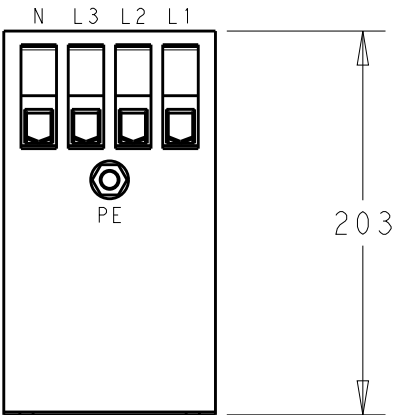
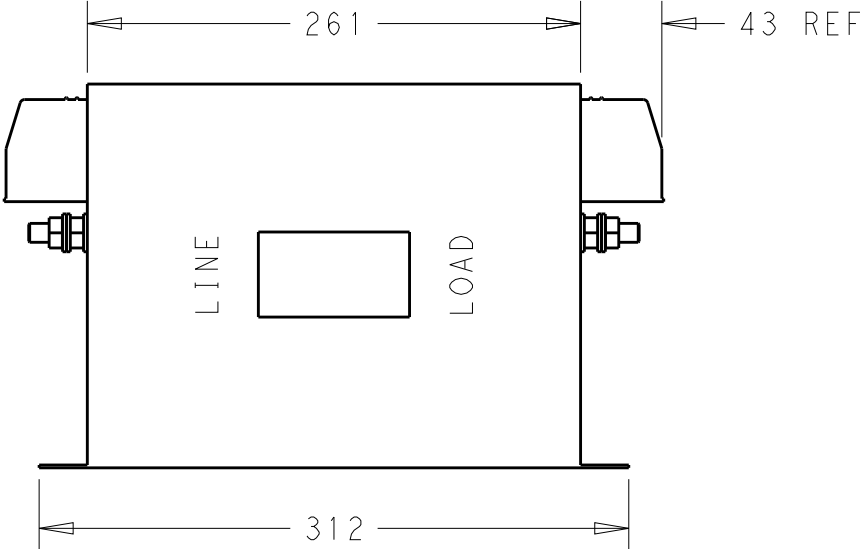
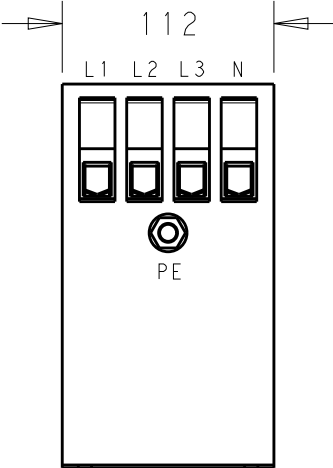
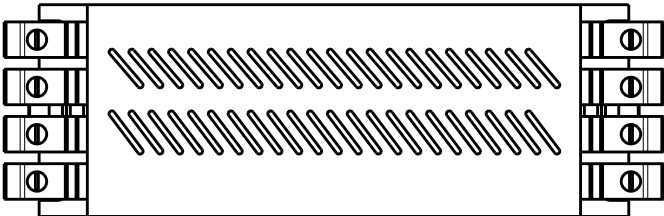
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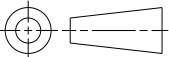
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREW: 6Nm / 54 in.lbs
TORQUE GROUND NUTS: 4-10Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 6-1 AWG
WIRE SECTION: 50 mm²
THREADED BOLT SIZE FOR GROUND: M10

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27FEB2020 SHRICHARANA B	 TE Connectivity		
		CHK 27FEB2020 LEO IRUDHAYARAJ			
		APVD 27FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 150KEPS10BBSW		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
		0 PLC ±-		APPLICATION SPEC	
		1 PLC ±0.5		WEIGHT	
		2 PLC ±0.40		CUSTOMER DRAWING	
		3 PLC ±0.130		SCALE 1:4	
		4 PLC ±0.0500		SHEET 2 OF 2	
		ANGLES ±-		REV B	
MATERIAL		FINISH		RESTRICTED TO	
-		-		-	
-		-		-	