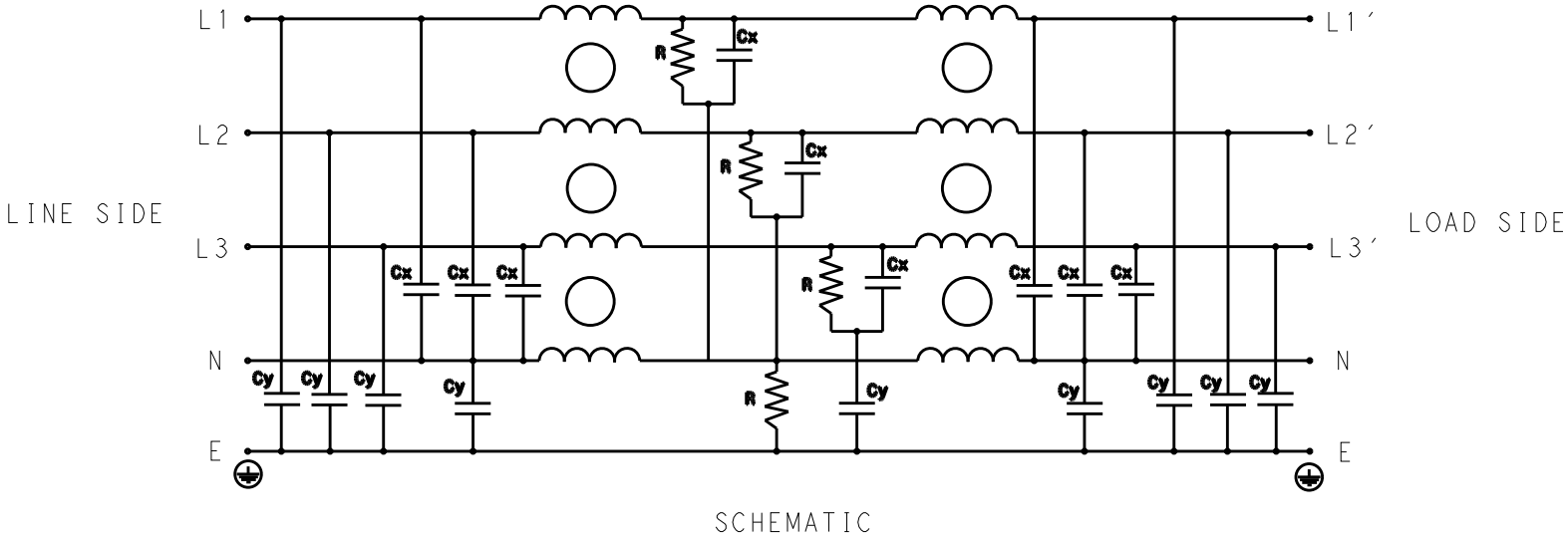


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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* 40A 440V 50Hz/60Hz 50°C
CSA CERTIFIED** 40A 440V 50Hz/60Hz 50°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 40A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 10mA @ 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: 2mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 2.76µF
NEUTRAL TO GROUND, NOMINAL: 3.3µF
LINE TO NEUTRAL, NOMINAL: 15µF

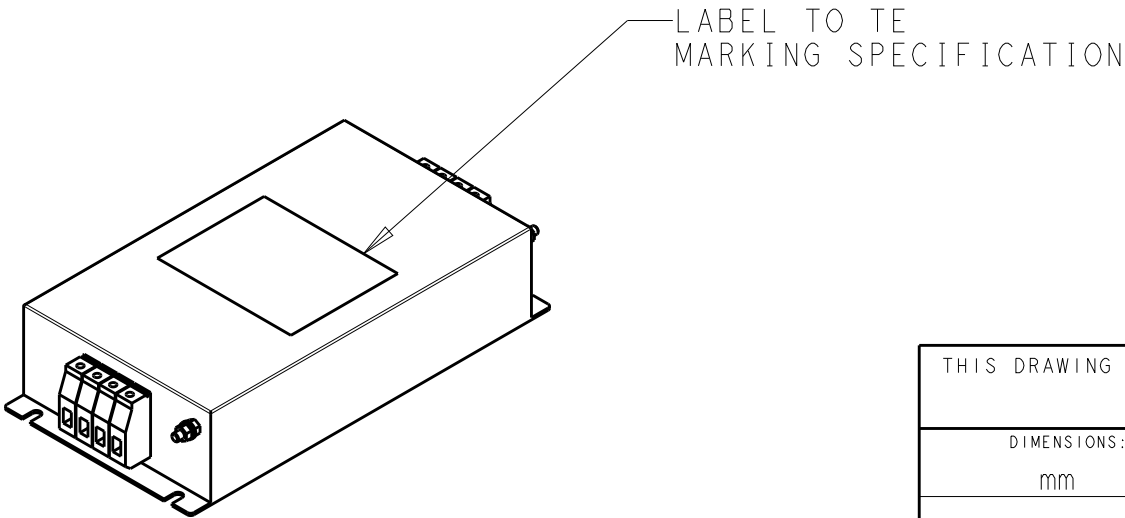
DISCHARGE RESISTOR
L/L I.R. 2MΩ 1W
L/N I.R. 1MΩ 1W
L/G I.R. 2MΩ 1W
N/G I.R. 1MΩ 1W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

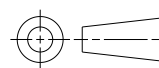
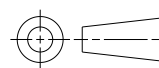
RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 2632VDC
LINE TO LINE FOR 1 MINUTE: 1892VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1093VDC

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	56	57	58	50	46	40	37	30	20
DM	40	39	41	52	44	39	32	29	24



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24FEB2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 24FEB2020 LEO IRUDHAYARAJ			
		APVD 24FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 40KEVD10AFPW		
		WEIGHT			
MATERIAL		FINISH	SIZE	CAGE CODE	DRAWING NO
-		-	A3	00779	C-1-1609998-3
-		-	RESTRICTED TO		
		CUSTOMER DRAWING	SCALE	SHEET	REV
			1:4	1 OF 2	B

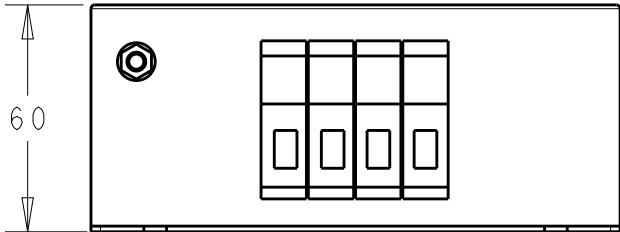
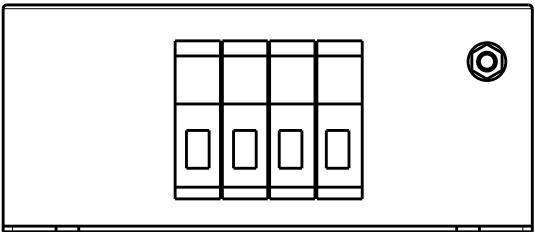
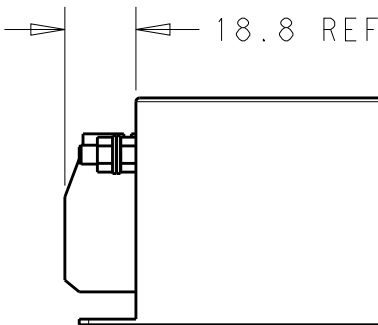
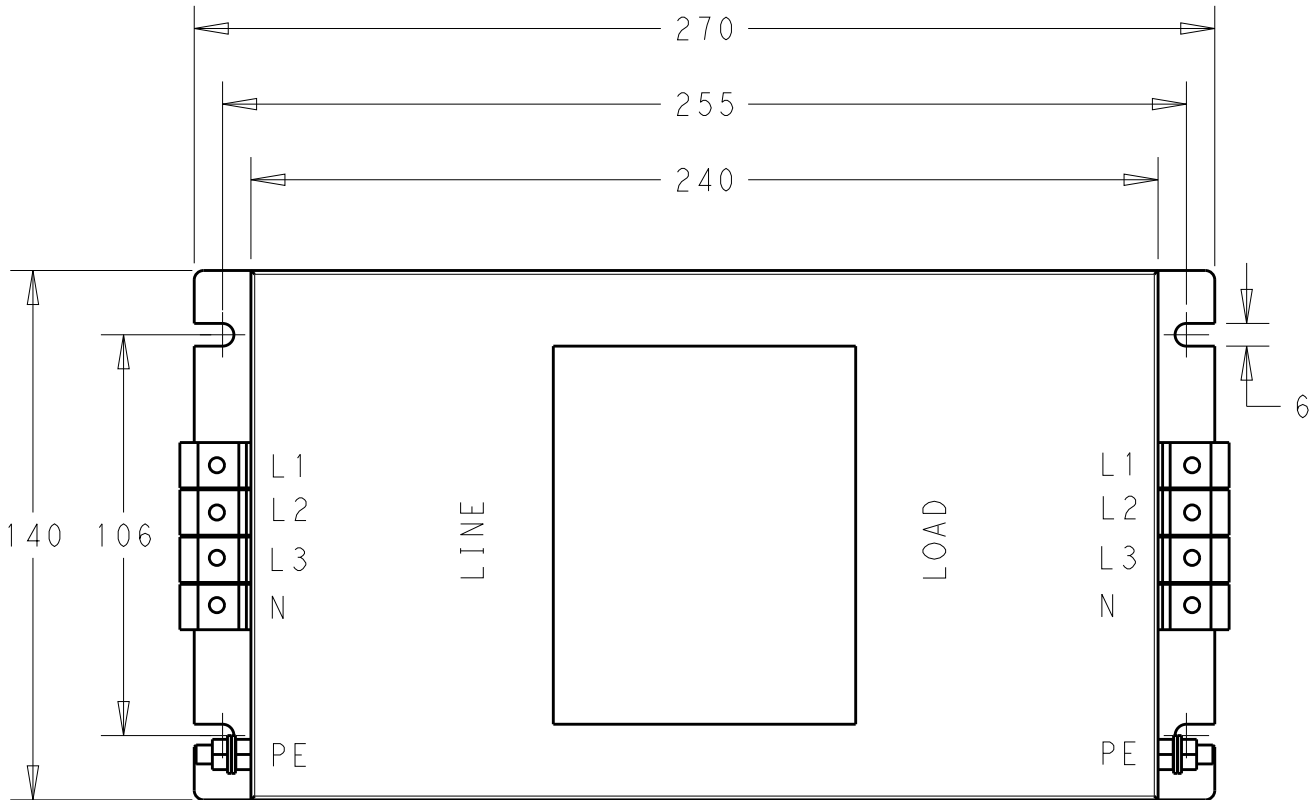
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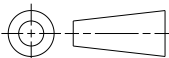
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 1.2Nm / 10.8 in.lbs
TORQUE GROUND NUTS: 2Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 26-8 AWG
WIRE SECTION: 10 mm²
THREADED BOLT SIZE FOR GROUND: M5

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24FEB2020 SHRICARANA B	TE Connectivity							
DIMENSIONS: mm		CHK 24FEB2020 LEO IRUDHAYARAJ								
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME POWER LINE FILTER 40KEVD10AFPW							
	0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-									
MATERIAL		FINISH	PRODUCT SPEC		SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO	
-		-	-		A300779		C-1-1609998-3		-	
-		-	APPLICATION SPEC		WEIGHT		CUSTOMER DRAWING		SCALE	
									SHEET 2 OF 2	
									REV B	