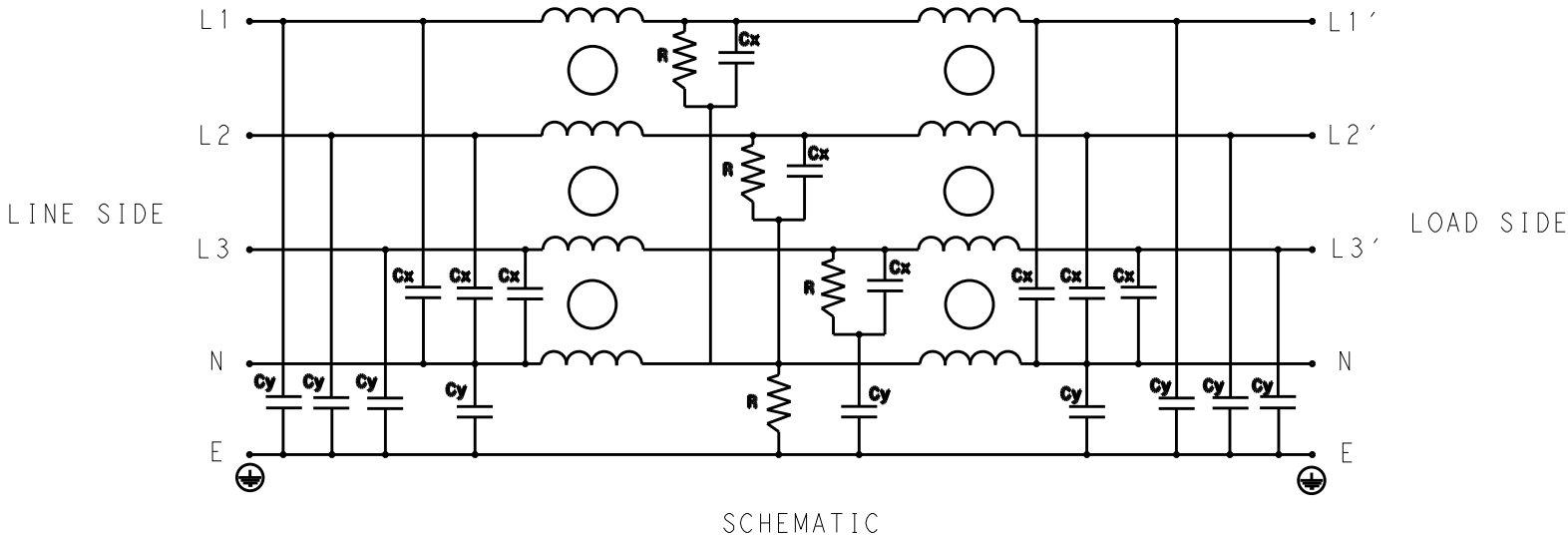


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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* 16A 520V 50Hz/60Hz 50°C
CSA CERTIFIED** 16A 520V 50Hz/60Hz 50°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 16A, 520VAC
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

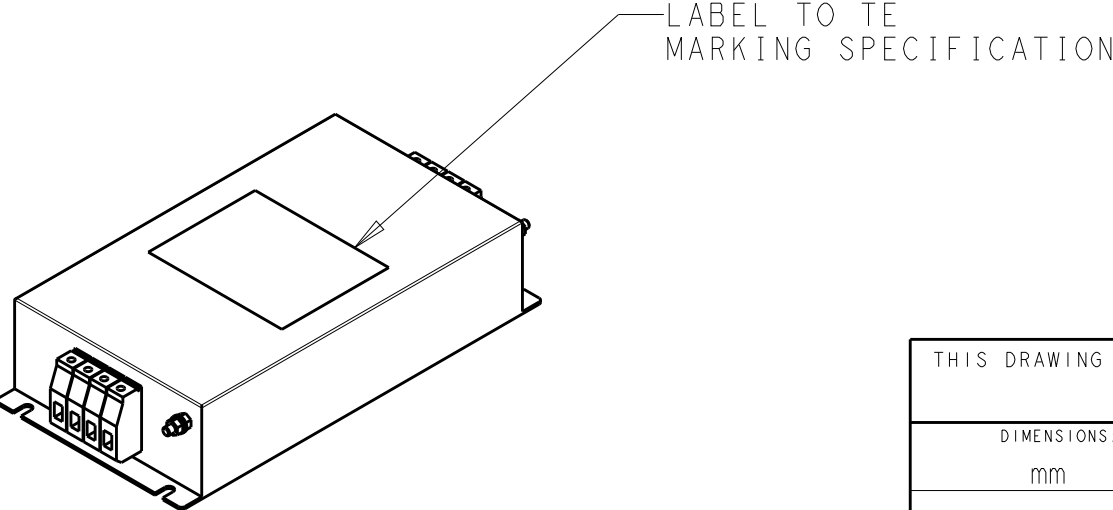
TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 9mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 2.34μF
NEUTRAL TO GROUND, NOMINAL: 3.3μF
LINE TO NEUTRAL, NOMINAL: 7.5μF

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

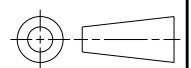
RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 2856VDC
LINE TO LINE FOR 1 MINUTE: 2236VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1290VDC

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



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	56	55	52	49	40	36	30	20
DM	38	40	44	57	48	41	33	29	22

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24FEB2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 24FEB2020 LEO IRUDHAYARAJ			
		APVD 24FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	NAME POWER LINE FILTER 16KEVD10BFPW		
0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609998-1
MATERIAL -		FINISH -	RESTRICTED TO -		
-		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B

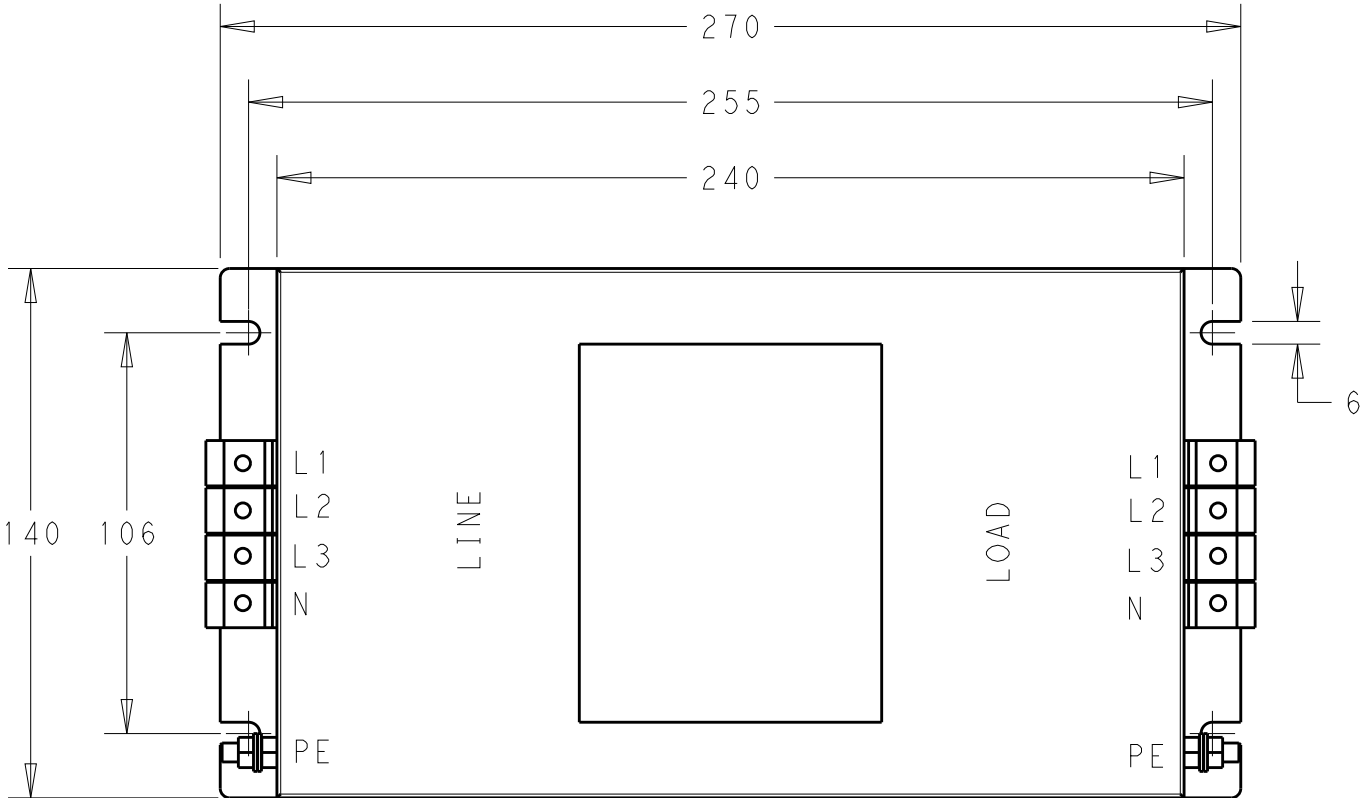
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2Nm

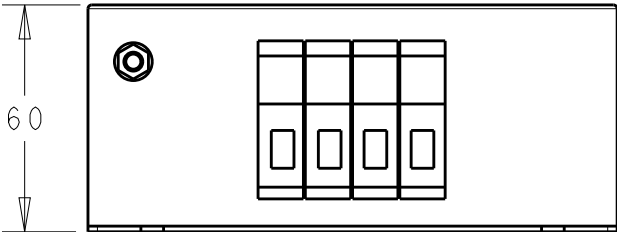
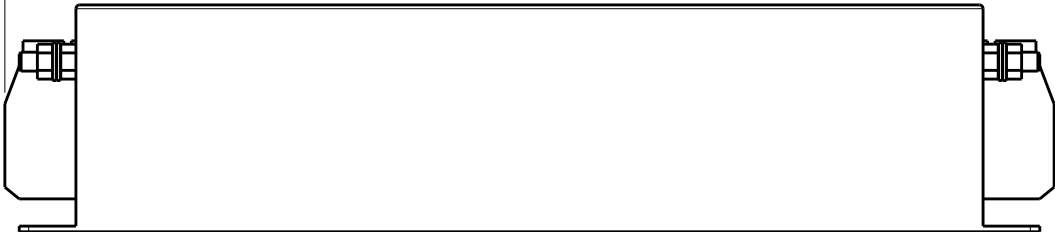
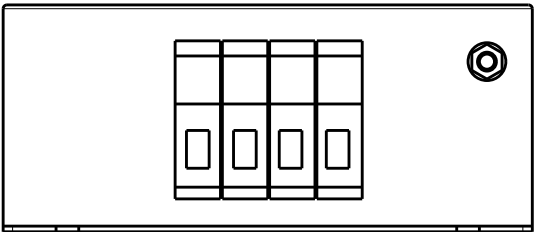
NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 26-12 AWG
WIRE SECTION: 4 mm²
THREADED BOLT SIZE FOR GROUND: M5

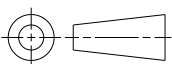
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



18.8 REF



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 16KEVD10BFPW						
	0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-								
MATERIAL -		FINISH -	PRODUCT SPEC -		SIZE A300779	CAGE CODE C-4-1609998-1	DRAWING NO	RESTRICTED TO -	
-		-	APPLICATION SPEC -						
			WEIGHT -		CUSTOMER DRAWING		SCALE 1:2	SHEET 2 OF 2	REV B