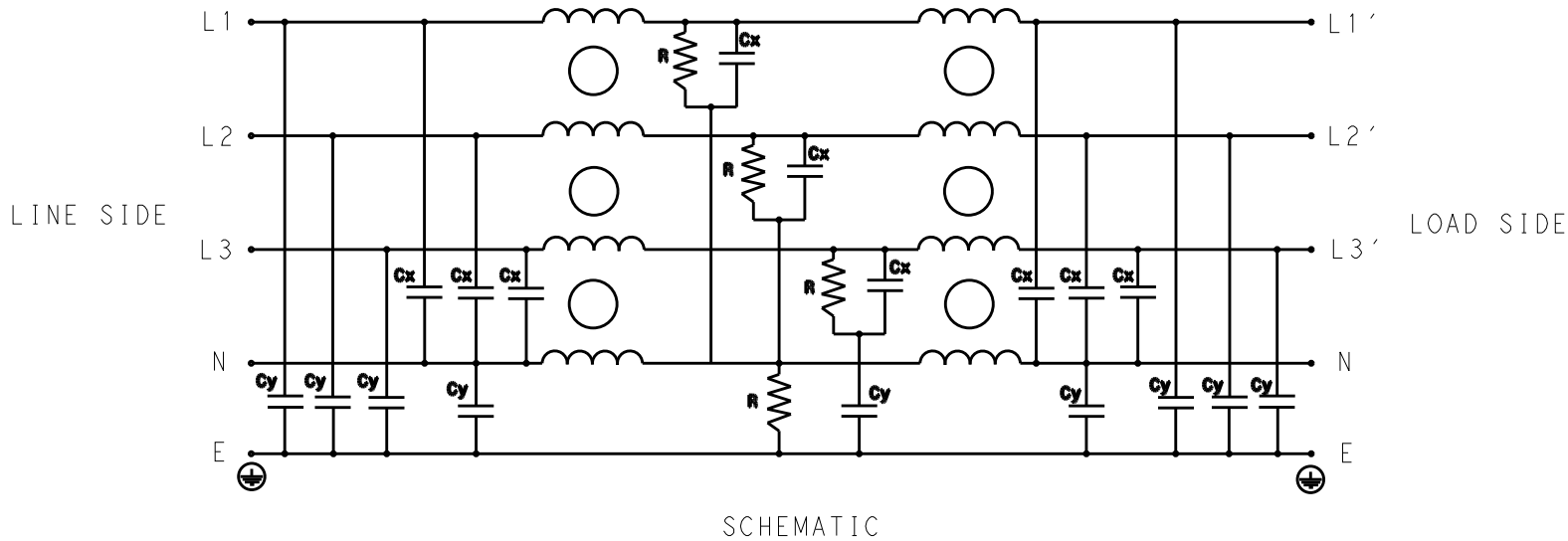


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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* 20A 520V 50Hz/60Hz 50°C
CSA CERTIFIED** 20A 520V 50Hz/60Hz 50°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 20A, 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: 8mH

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

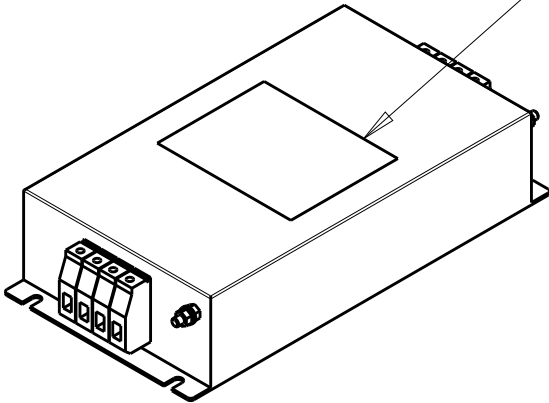
RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 2856VDC
LINE TO LINE FOR 1 MINUTE: 2236VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1290VDC

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	55	56	58	50	45	40	37	31	21
DM	40	40	42	54	46	39	32	30	23

LABEL TO TE
MARKING SPECIFICATION



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICARANA B 24FEB2020	TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 24FEB2020			
		APVD LEO IRUDHAYARAJ 24FEB2020			
		PRODUCT SPEC			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	NAME POWER LINE FILTER 20KEVD10BFPW		
0 PLC ±0.5 1 PLC ±0.40 2 PLC ±0.130 3 PLC ±0.0500 4 PLC ANGLES ±0.0500		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609998-2
MATERIAL		FINISH	RESTRICTED TO		
-		-	-		
-		-	-		
CUSTOMER DRAWING			SCALE 1:4	SHEET 1 OF 2	REV B

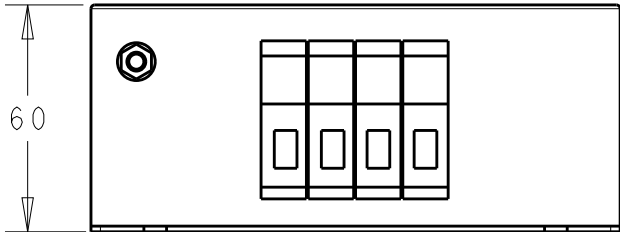
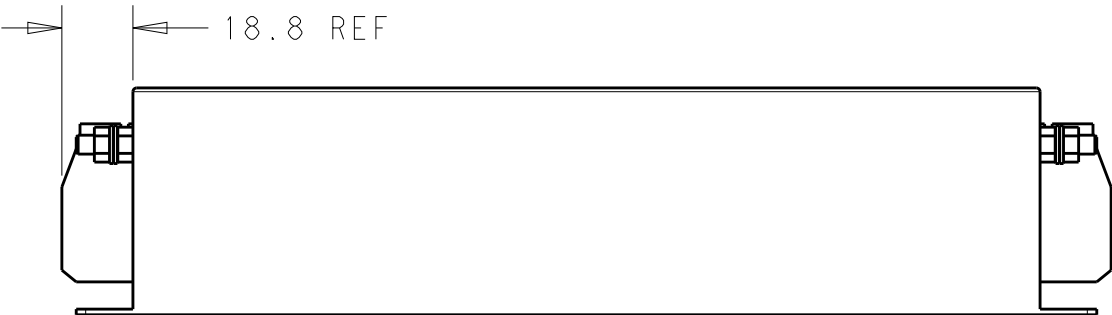
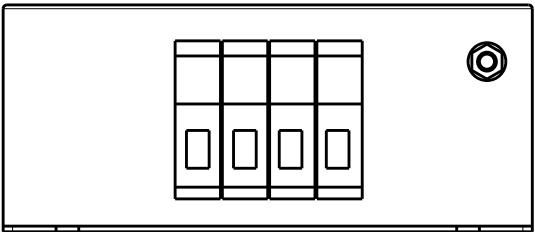
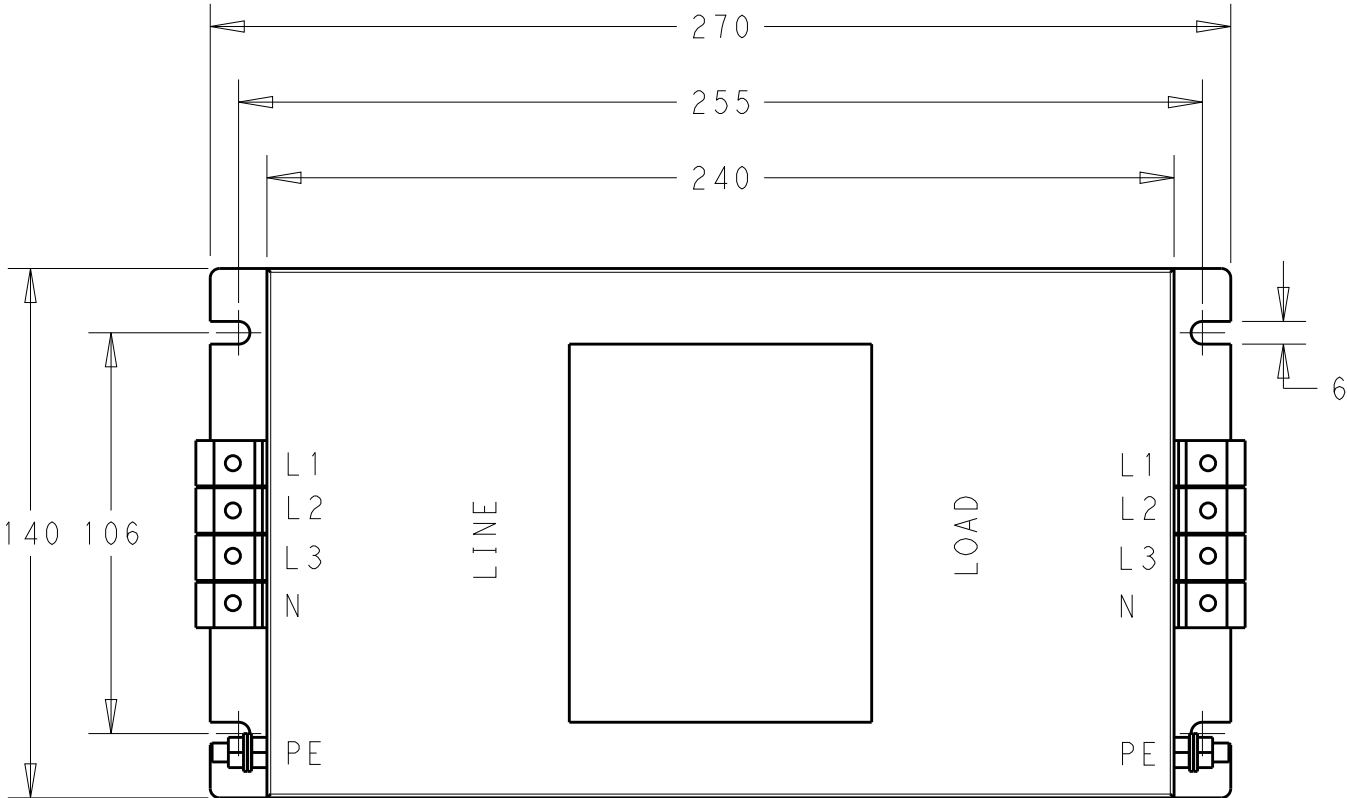
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2Nm

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			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24FEB2020 SHRICHARANA B	TE Connectivity		
DIMENSIONS: mm		CHK 24FEB2020 LEO IRUDHAYARAJ			
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME POWER LINE FILTER 20KEVD10BFPW		
	0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		SIZE A300779		
MATERIAL -		FINISH -	DRAWING NO C-4-1609998-2		
			RESTRICTED TO -		
			SCALE 1:2 SHEET 2 OF 2 REV B		
			CUSTOMER DRAWING		