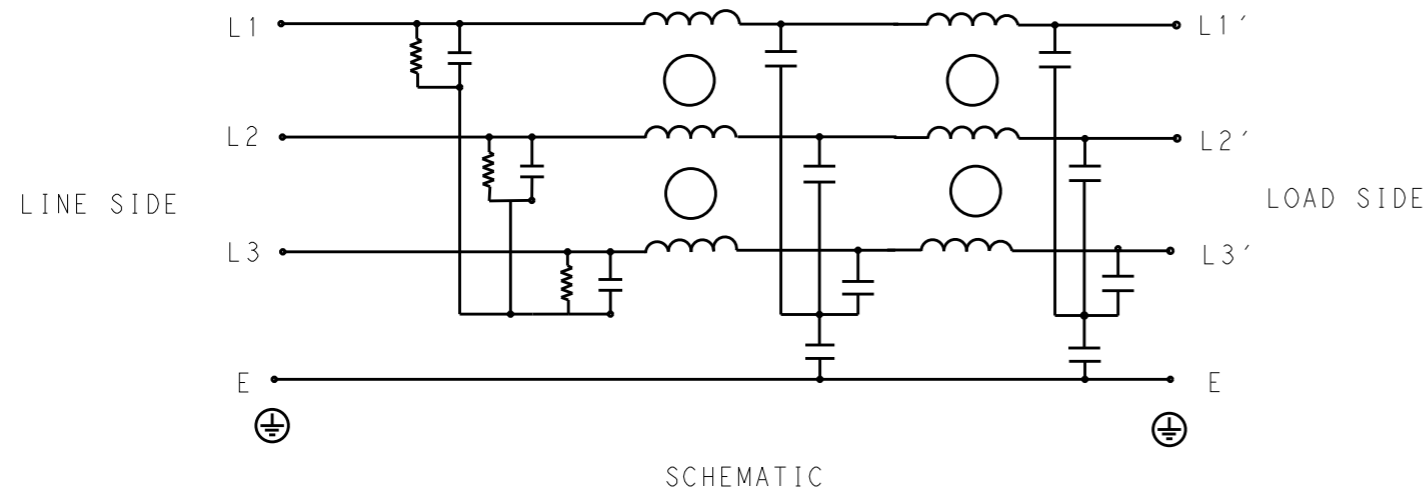


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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* 10A 520V 50Hz/60Hz 40°C
 CSA CERTIFIED** 10A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 10A, 520VAC
 LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 5mA @ 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: 16mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 0.365µF
 LINE TO LINE, NOMINAL: 3.75µF

DISCHARGE RESISTOR

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

RECOMMENDED RECEIVING INSPECITON HIPOT

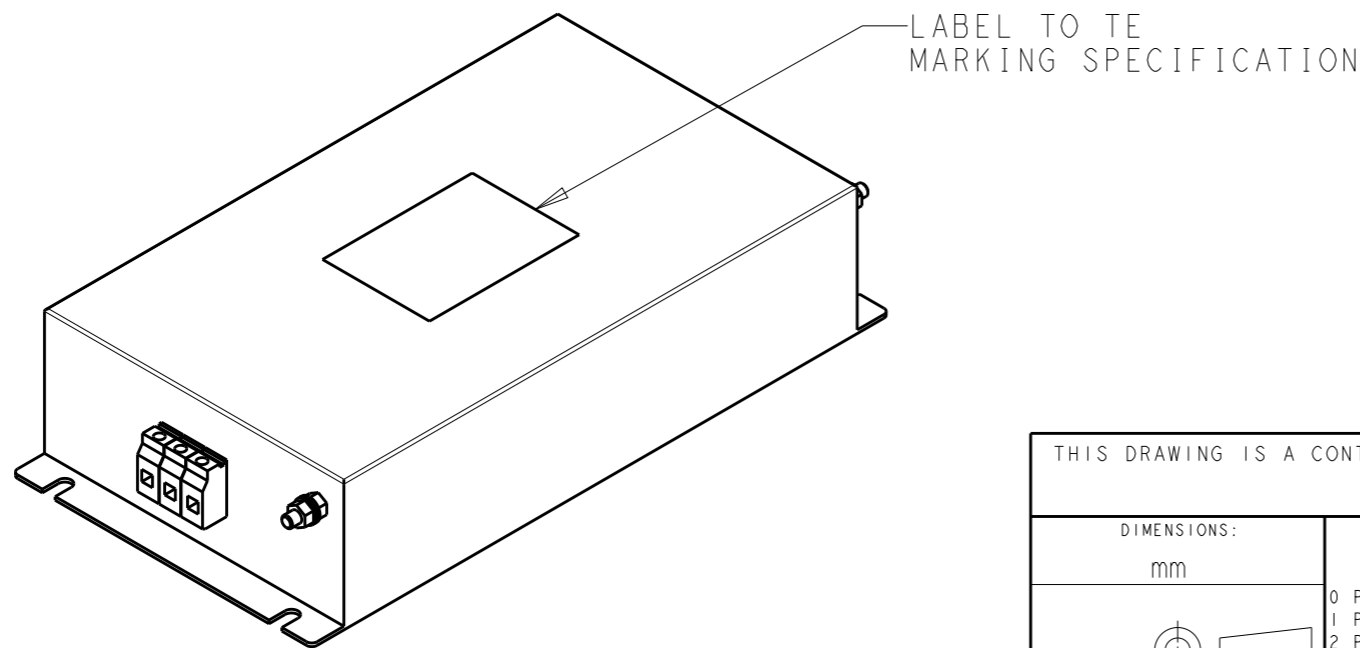
LINE TO GROUND FOR 1 MINUTE: 2856VDC
 LINE TO LINE FOR 1 MINUTE: 2236VDC

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	70	71	75	86	81	63	54	40	38
DM	51	53	64	82	84	63	48	19	22



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27FEB2020 SHRICHARANA B	TE TE Connectivity	
DIMENSIONS: mm		CHK 27FEB2020 LEO IRUDHAYARAJ		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 27FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 10KEHD10BFPD	
0 PLC ±-		PRODUCT SPEC	SIZE	
1 PLC ±0.5		APPLICATION SPEC	CAGE CODE	
2 PLC ±0.40		WEIGHT	DRAWING NO	
3 PLC ±0.130		CUSTOMER DRAWING	A300779	
4 PLC ±0.0500		SCALE	G-4-1609969-0	
ANGLES ±-		SHEET	1 OF 2	
MATERIAL		REV	B	
FINISH		RESTRICTED TO		

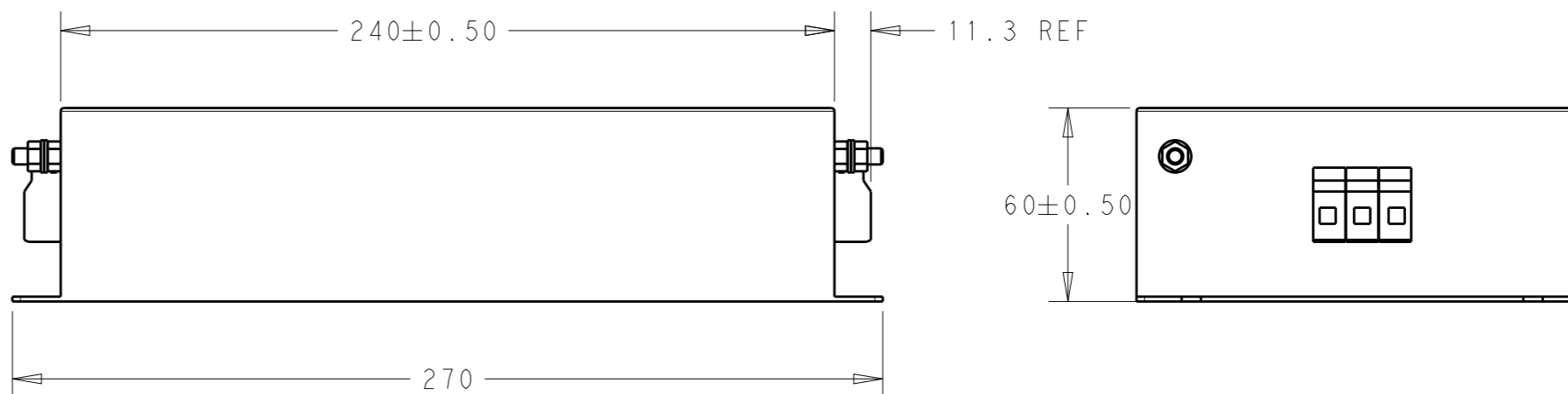
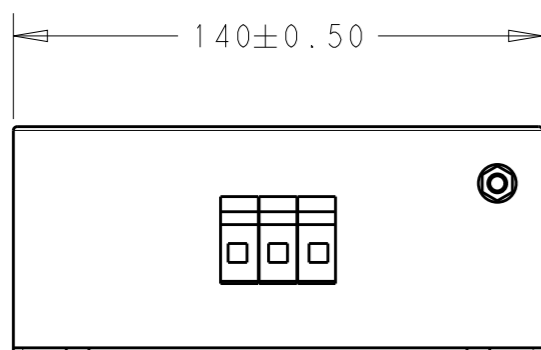
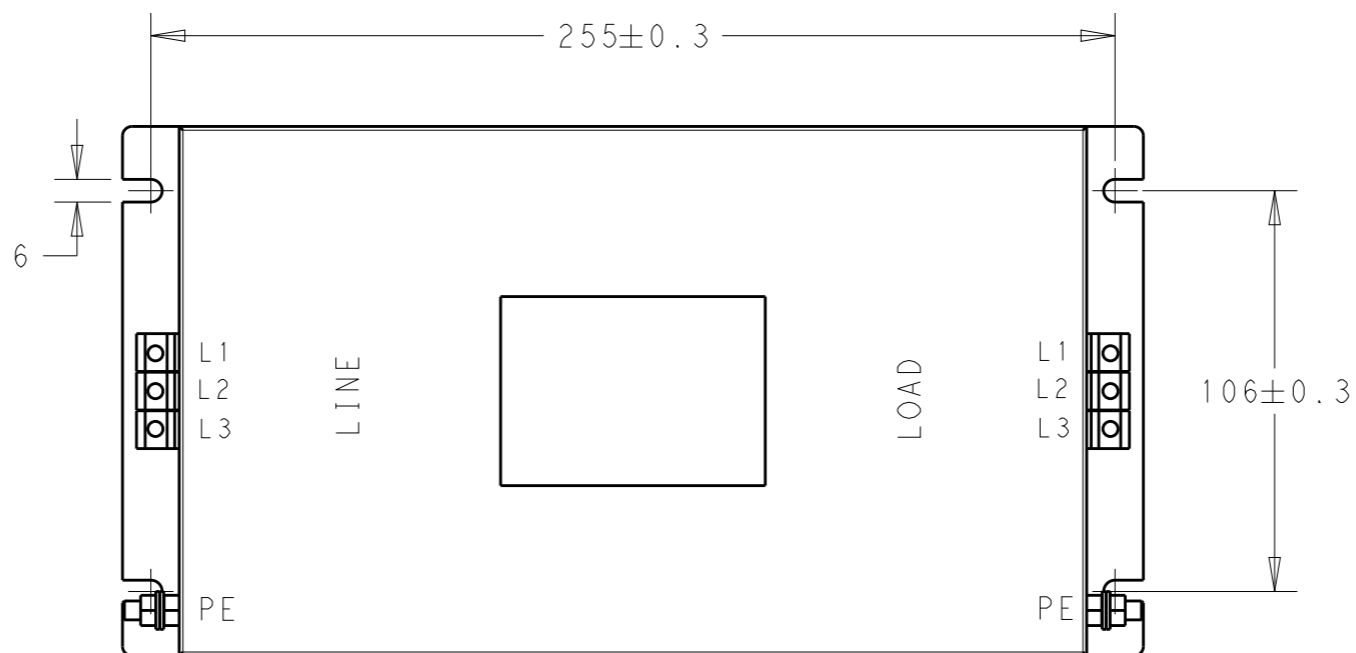
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NOTE 1 GROUND CONNECTION:
 DO NOT LOOSEN INNER GROUND NUTS.
 TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
 TORQUE GROUND NUTS: 2Nm

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	27FEB2020		TE TE Connectivity
		CHK	27FEB2020		
		APVD	27FEB2020		
			LEO IRUDHAYARAJ		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME POWER LINE FILTER 10KEHD10BFPD	
		0 PLC	±		PRODUCT SPEC
		1 PLC	±0.5		-
		2 PLC	±0.40		APPLICATION SPEC
		3 PLC	±0.130		-
MATERIAL		4 PLC	±0.0500		SIZE
		ANGLES	±		CAGE CODE
		FINISH	-		DRAWING NO
			-		RESTRICTED TO
			-		SCALE
			-		SHEET
			-		OF
			-		REV
			-		B
			-		