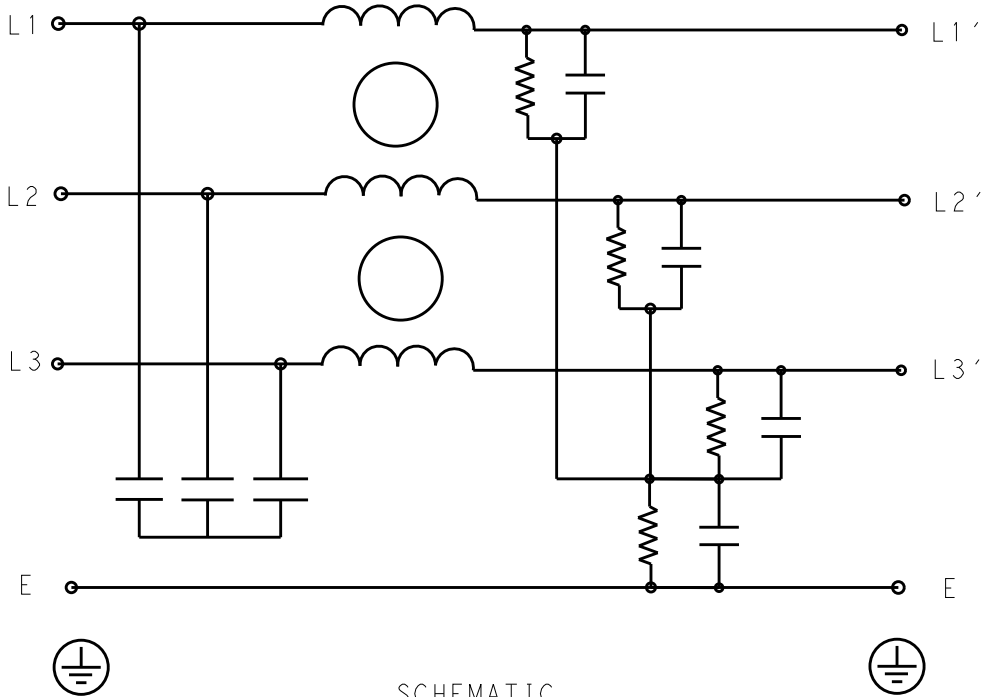


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI

LINE SIDE

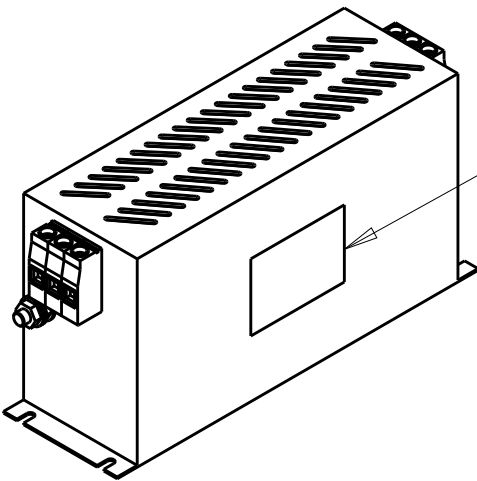
LOAD SIDE



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	23	32	36	71	67	60	54	30	17
DM	38	40	45	86	81	68	50	49	35



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* 75A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 75A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 75A, 520VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 10mA @ 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: 0.35mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 0.73μF
LINE TO LINE, NOMINAL: 2.2μF

DISCHARGE RESISTOR

L/G I.R. 680KΩ 2W
L/L I.R. 3MΩ 2W
L/N I.R. XXX
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.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 02MAR2020 SHRICHARANA B	TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
	0 PLC ±-	APPLICATION SPEC	NAME POWER LINE FILTER 75KEMS10BBSD		
	1 PLC ±0.5				
MATERIAL	2 PLC ±0.40	WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO 6-1609967-4
	3 PLC ±0.130				
	4 PLC ±0.0500	CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B
	ANGLES ±-				
	FINISH				

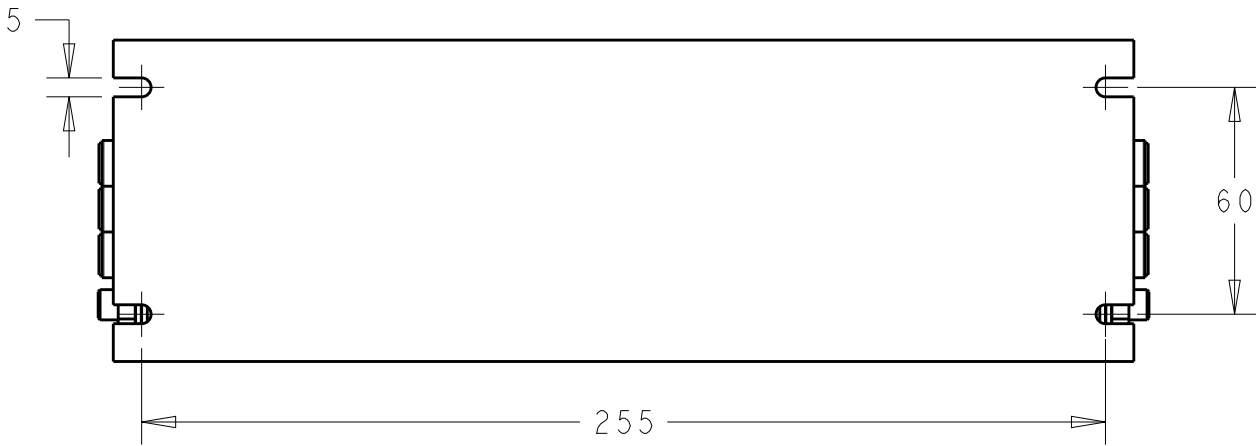
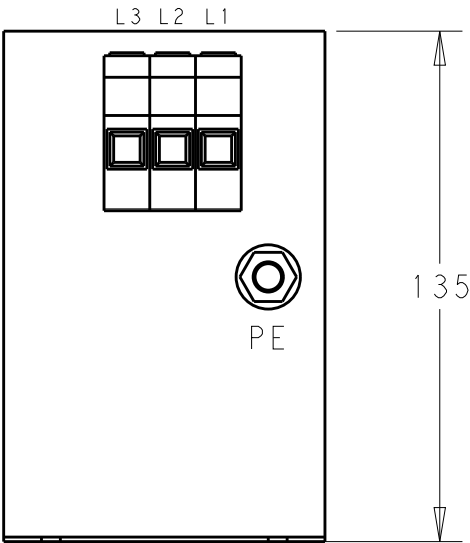
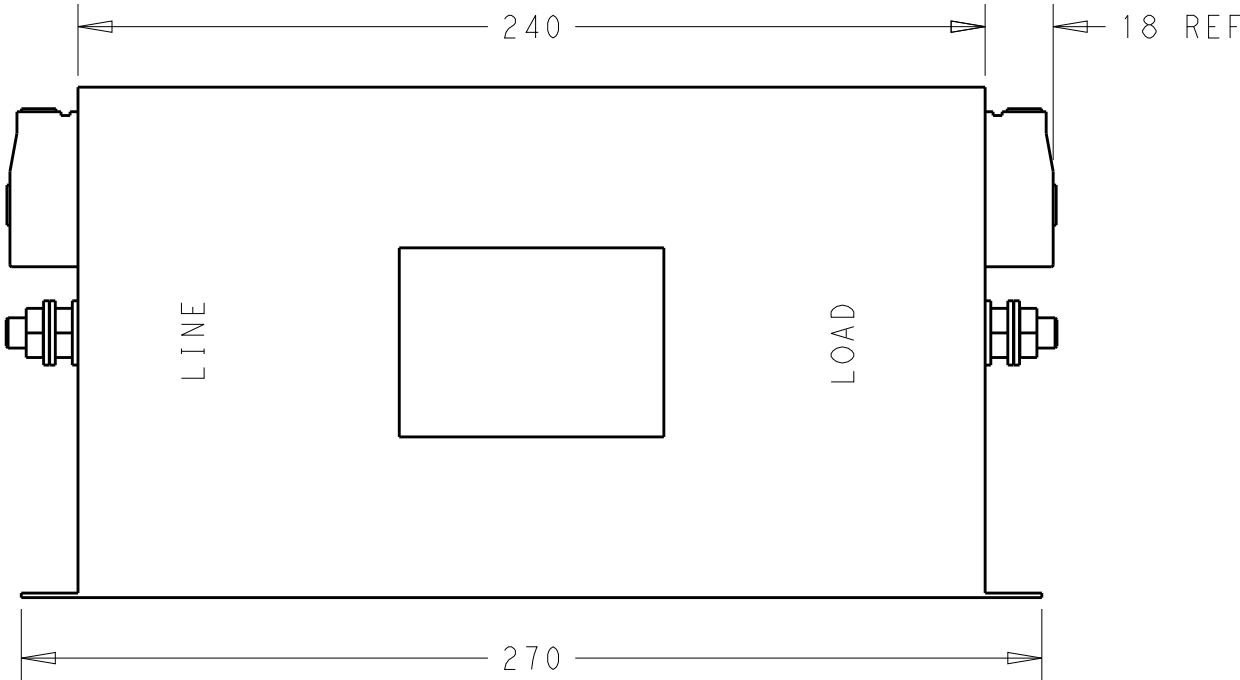
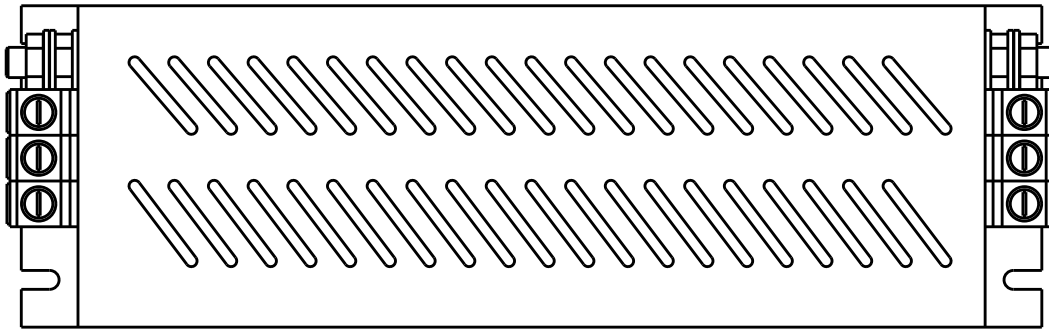
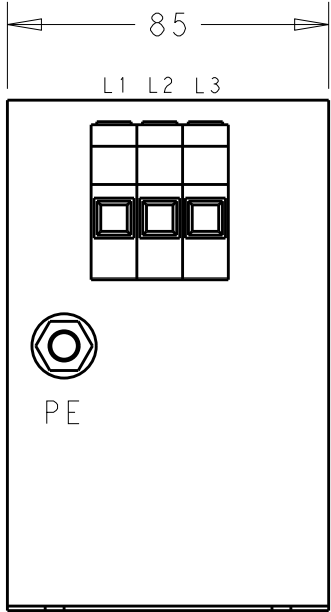
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 2-2.2Nm / 18 -19.8 in.lbs
TORQUE GROUND NUTS: 3.5-6Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 12-8 AWG
WIRE SECTION: 16 mm²
THREADED BOLT SIZE FOR GROUND: M8

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5
MATERIAL -	FINISH -

DWN SHRICHARANA B 02MAR2020	CHK LEO IRUDHAYARAJ 02MAR2020	APVD LEO IRUDHAYARAJ 02MAR2020
PRODUCT SPEC -		
APPLICATION SPEC -		
WEIGHT -		
CUSTOMER DRAWING		

TE Connectivity

NAME
POWER LINE FILTER
75KEMS10BBS

SIZE A3	CAGE CODE 00779	DRAWING NO C-6-1609967-4	RESTRICTED TO -
SCALE 1:2		SHEET 2 OF 2	REV B