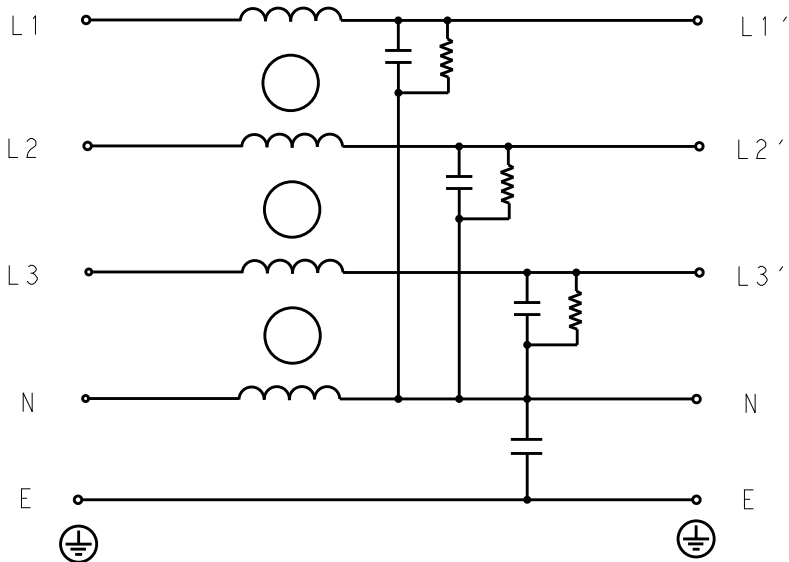


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI

LINE SIDE

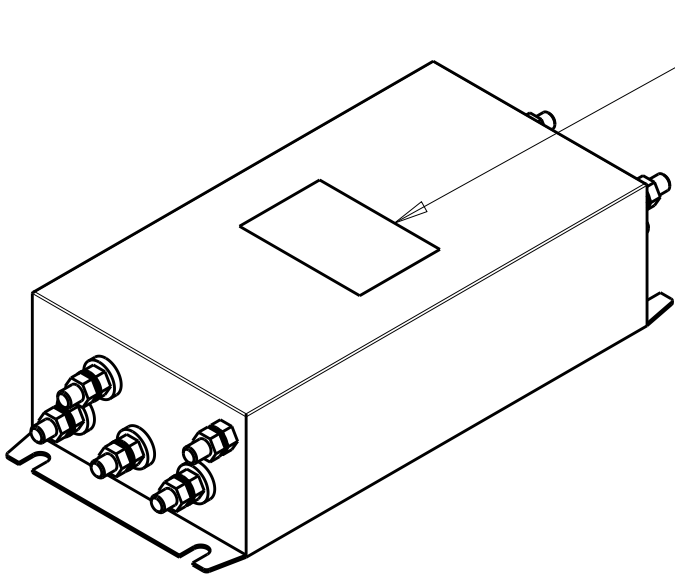


LOAD SIDE

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	2	3	7	22	29	44	43	30	16
DM	37	39	46	53	41	31	27	19	17



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 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 75A 440V 50Hz/60Hz 40°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 75A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 6mA @ 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: 0.2mH

CAPACITANCE @ 1kHz
NEUTRAL TO GROUND, NOMINAL: 22nF
LINE TO NEUTRAL, NOMINAL: 5μF

DISCHARGE RESISTOR


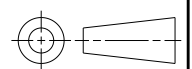
L/G I.R. 2MΩ 2W
L/L I.R. 2MΩ 2W
L/N I.R. 1MΩ 2W
N/G I.R. 680KΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

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

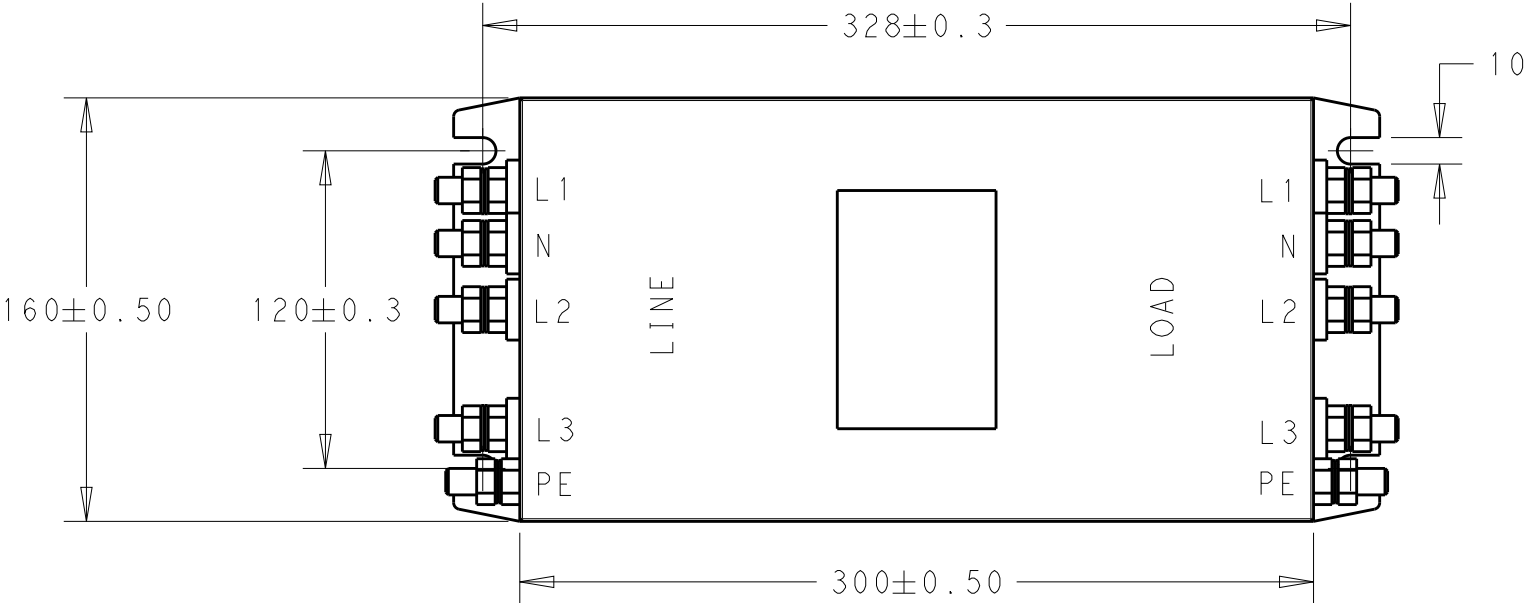
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B 20FEB2020		<div>TE Connectivity</div>					
		CHK LEO IRUDHAYARAJ 20FEB2020							
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME POWER LINE FILTER 75KESS6AFPW					
		APVD LEO IRUDHAYARAJ 20FEB2020		SIZE A300779 CAGE CODE C-2-1609966-1 DRAWING NO RESTRICTED TO					
		PRODUCT SPEC							
		-							
		APPLICATION SPEC							
		-							
MATERIAL		FINISH		WEIGHT					
-		-		-					
-		-		CUSTOMER DRAWING					
				SCALE 1:4		SHEET 1 OF 2		REV B	

NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: 3.5-6Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX
THREADED BOLT SIZE FOR TERMINAL: M8
THREADED BOLT SIZE FOR GROUND: M8

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 20FEB2020 SHRICHARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 20FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 20FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 75KESS6AFPW		
0 PLC ± 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±		PRODUCT SPEC -	SIZE A3		
MATERIAL -		APPLICATION SPEC -	CAGE CODE 00779		
FINISH -		WEIGHT -	DRAWING NO C-2-1609966-1		
CUSTOMER DRAWING		SCALE 7:20			RESTRICTED TO -
		SHEET 2 OF 2			REV B