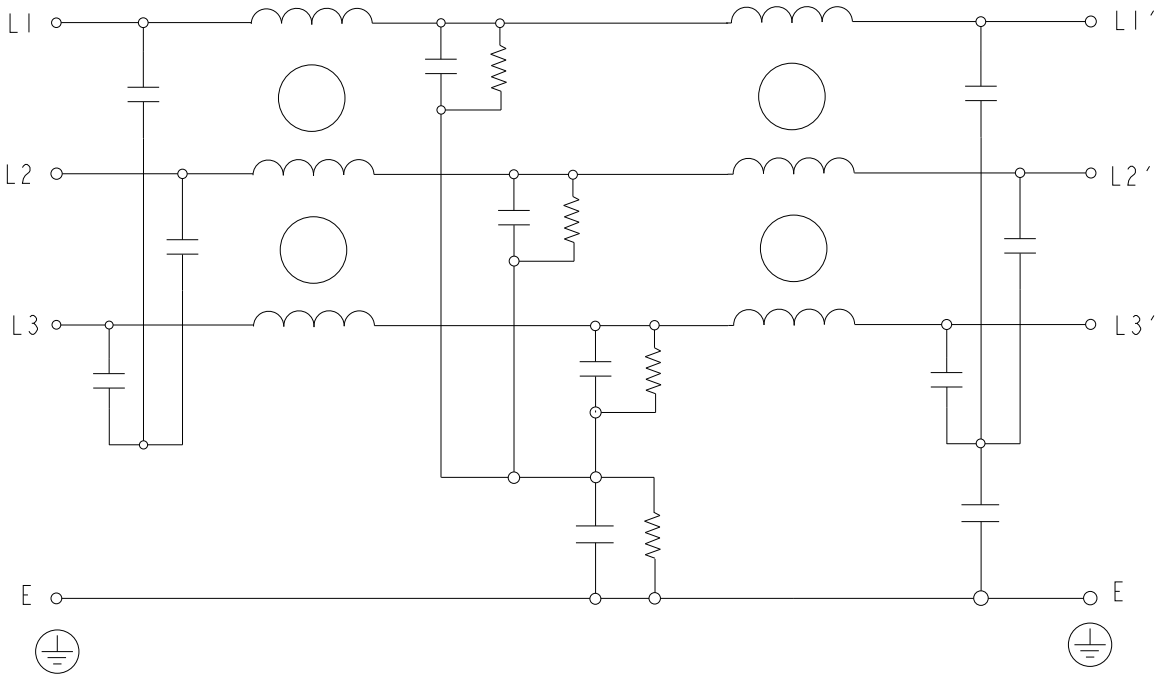


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED FOR PRODUCTION	08AUG2022	LG	CB
	AI	DRAFTING ERROR CORRECTION	09DEC2022	DM	CB

LINE SIDE



LOAD SIDE

TYPICAL CIRCUIT DIAGRAM

TYPICAL INSERTION LOSS
COMMON MODE 50/50Ω; DIFFERENTIAL MODE 50/50Ω

42 AHV D BS									
FREQUENCY (MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	2.3	5.6	27.2	60	65	52	42	30	20
DIFFERENTIAL MODE	12	25	30	65	68	18	14	13	10

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 AS PER
UL 60939-3 AND CSA22.2 No 8
42A 760V/750V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 42A, 760VAC/750VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 5mA @ 760VAC, 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: 2mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 19.9nF
LINE TO LINE, NOMINAL: 2.475μF


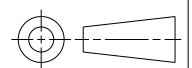
DISCHARGE RESISTOR
LINE TO GROUND I.R. 2.18MΩ 1W
LINE TO LINE I.R. 3MΩ 1W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

HIPOT RATING (ONE MINUTE)

LINE TO GROUND: 3535VDC
LINE TO LINE: 3268VDC

FILTER APPROVAL

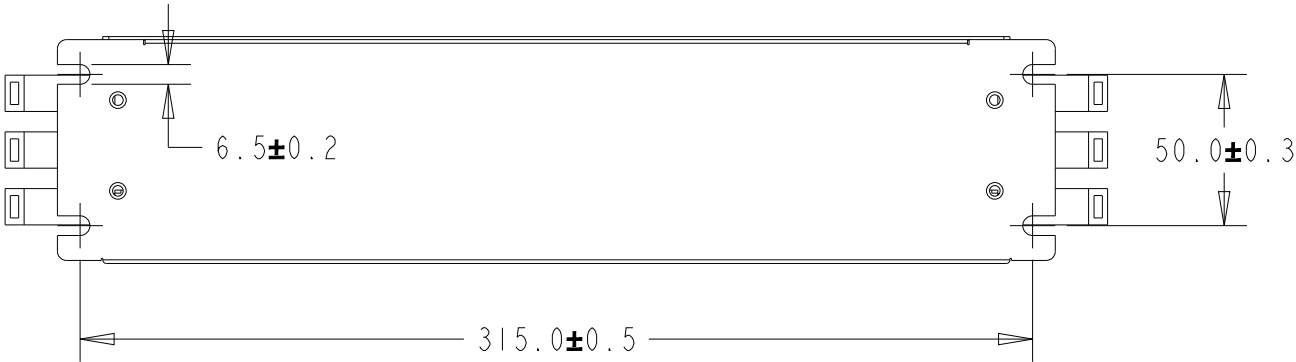
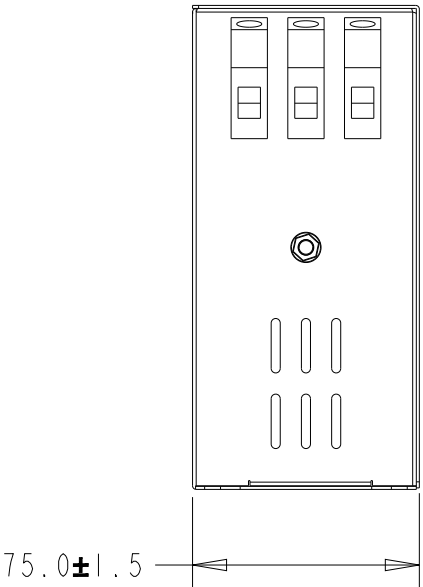
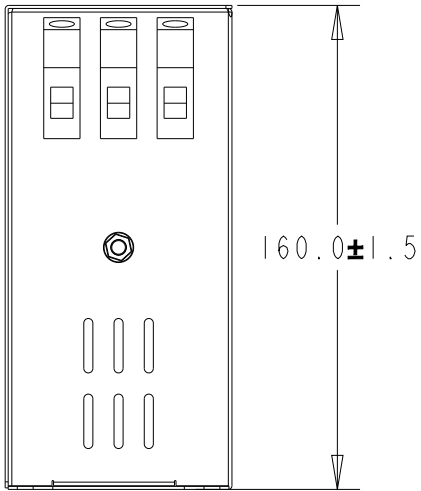
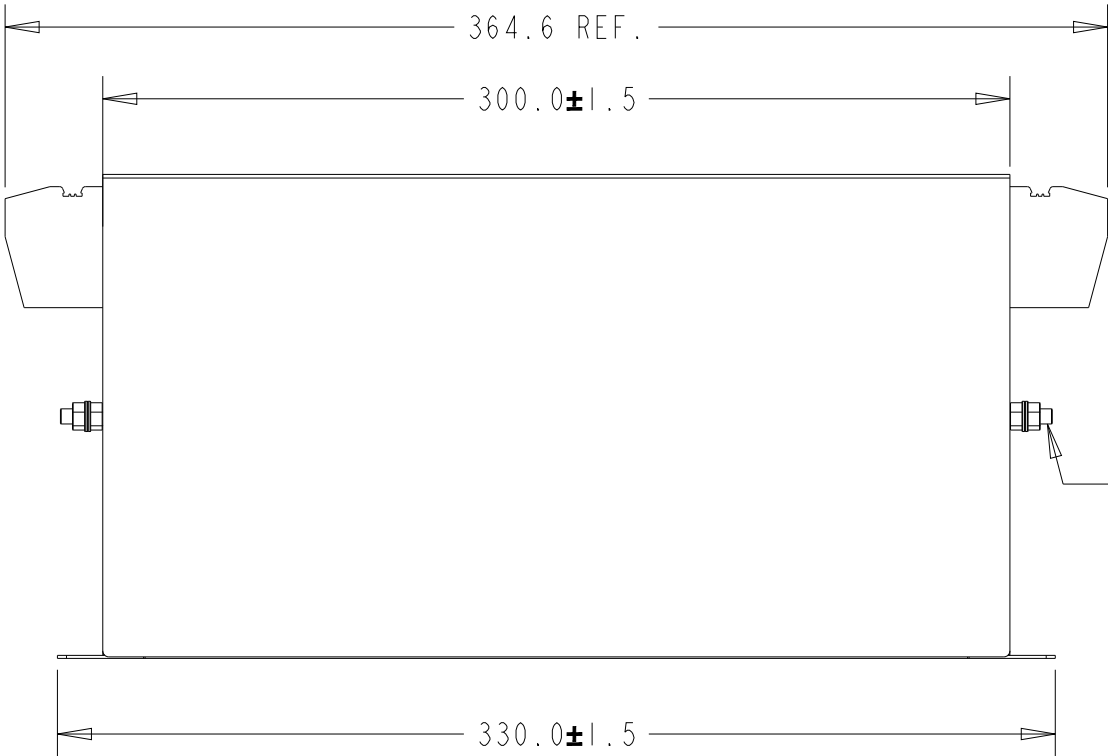
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. BANGERA 08AUG2022		 TE Connectivity					
		CHK C. BOLLE 08AUG2022							
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±-		NAME 760V POWER LINE FILTER 42 AHV D BS					
				APVD L. IRUDHAYARAJ 08AUG2022					
				PRODUCT SPEC 2426171-1					
				APPLICATION SPEC -					
MATERIAL		FINISH -		WEIGHT 4 Kgs		SIZE A3	CAGE CODE 00779	DRAWING NO C-2405080-7	RESTRICTED TO -
				CUSTOMER DRAWING				SCALE 1:5	SHEET 1

RoHS Compliant

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-


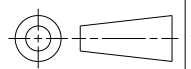


NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
M5 GROUND NUTS TYP. TORQUE (Nm): 7

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL:
CONNECTION METHOD: SCREW CONNECTION WITH TENSION SLEEVE.
WIRE SIZE CROSS SECTION RANGE FLEXIBLE CONDUCTOR (mm²): 0.5 - 16
WIRE STRIP LENGTH (mm): 16
CONNECTOR TERMINAL SCREW TORQUE MIN - MAX (Nm): 2.0 - 2.3

THE ABOVE DATA IS FOR GUIDANCE/REFERENCE ONLY.
TERMINALS WILL ACCEPT A RANGE OF WIRE C.S.A. BUT WIRE SIZE USED SHOULD BE SUITABLE
FOR OPERATING CURRENT.

RoHS Compliant

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. BANGERA 08AUG2022	 TE Connectivity		
DIMENSIONS: mm		CHK C. BOLLE 08AUG2022			
		APVD L. IRUDHAYARAJ 08AUG2022			
		PRODUCT SPEC 2426171-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	NAME 760V POWER LINE FILTER 42 AHV D BS		
MATERIAL		WEIGHT 4 Kgs	SIZE A3	CAGE CODE 00779	DRAWING NO C-2405080-7
FINISH -		CUSTOMER DRAWING	SCALE 1:5	SHEET 2 OF 2	RESTRICTED TO - REV A1