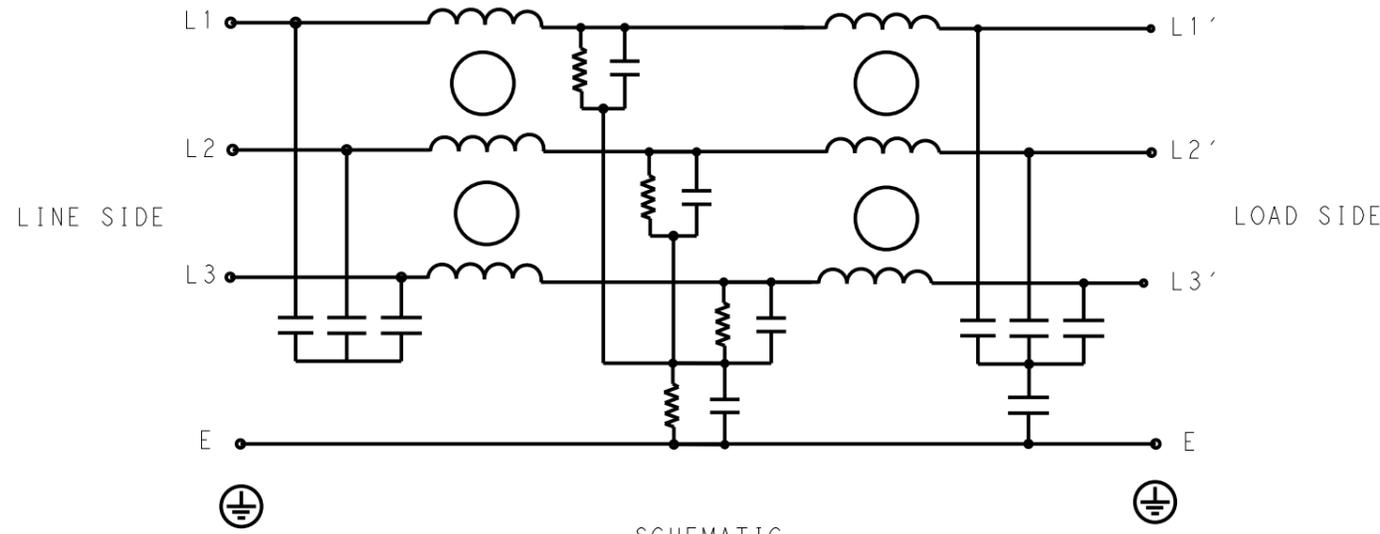


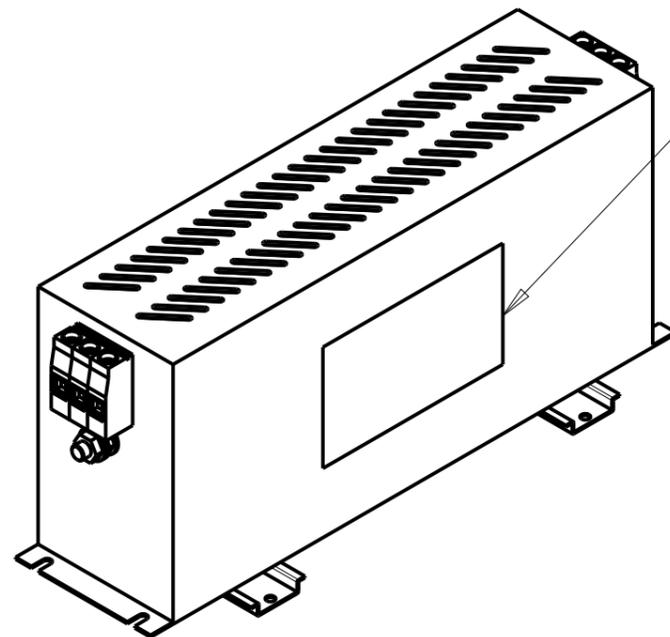
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	26APR2021	SR	CB



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	35	36	62	72	70	65	50	47	30
DM	25	24	28	65	75	60	46	26	24



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 APPROVED 75A 440V 50Hz/60Hz 40°C  
CSA APPROVED 75A 440V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

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

MAXIMUM LEAKAGE CURRENT: 15mA @ 230VAC, 50Hz

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -25°C TO +40°C

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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: 0.7mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 1.46μF  
LINE TO LINE, NOMINAL: 3.3μF

DISCHARGE RESISTOR

L/L I.R. 3MΩ 2W  
L/N I.R. XXX  
L/G I.R. 680KΩ 2W  
N/G I.R. XXX  
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOI

LINE TO GROUND FOR 1 MINUTE: 2632VDC  
LINE TO LINE FOR 1 MINUTE: 1892VDC

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 SUPREETH R 26APR2021		
DIMENSIONS: mm		CHK CHRIS BOLLE 26APR2021		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD CHRIS BOLLE 26APR2021	NAME POWER LINE FILTER FOR DIN RAIL 35 INSTALLATION 75KEHD10ABSDHM	
0 PLC ±-		PRODUCT SPEC -	SIZE A300779 CAGE CODE C-3-1609969-8	
1 PLC ±0.5		APPLICATION SPEC -	RESTRICTED TO -	
2 PLC ±0.40		WEIGHT -	SCALE 3:10 SHEET 1 OF 2 REV A	
3 PLC ±0.130		CUSTOMER DRAWING		
4 PLC ±0.0500				
ANGLES ±-				
MATERIAL -				
FINISH -				

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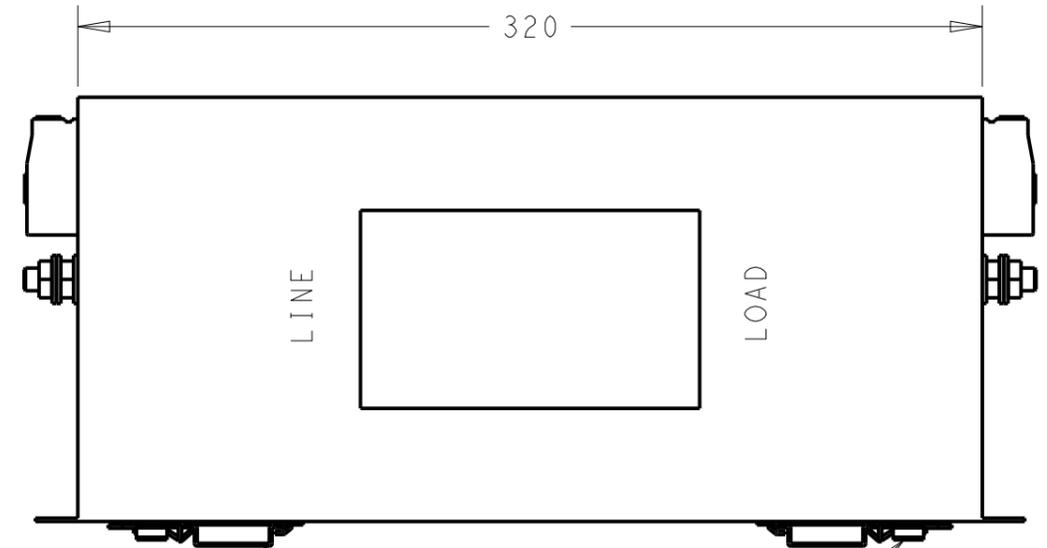
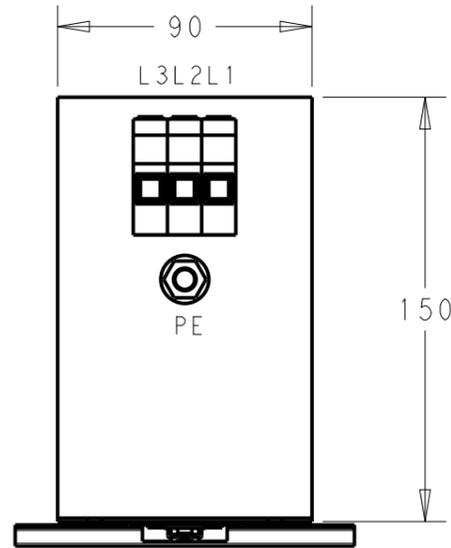
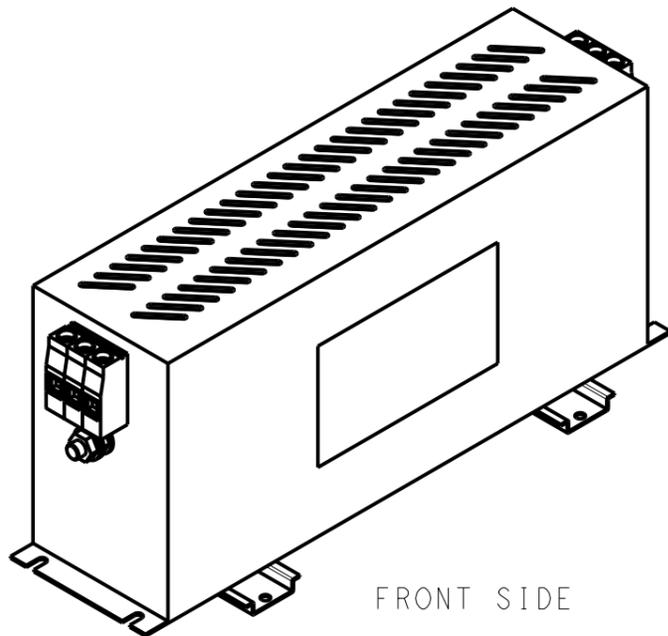
NOTE 1 GROUND CONNECTION:  
 FOR ELECTRICAL SAFETY AND FILTER PERFORMANCE  
 UNIT MUST HAVE A GOOD GROUND CONNECTION.  
 TORQUE OUTER TERMINAL SCREWS: 2-2.2Nm / 18 -19.8 in.lbs  
 TORQUE GROUND NUTS: 3.5-6Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
 AWG SIZE: 12-8 AWG  
 WIRE SECTION: 16 mm<sup>2</sup>  
 THREADED BOLT SIZE FOR GROUND: M8

NOTE 3 SUPPLIED WITH DIN RAIL BRACKET.

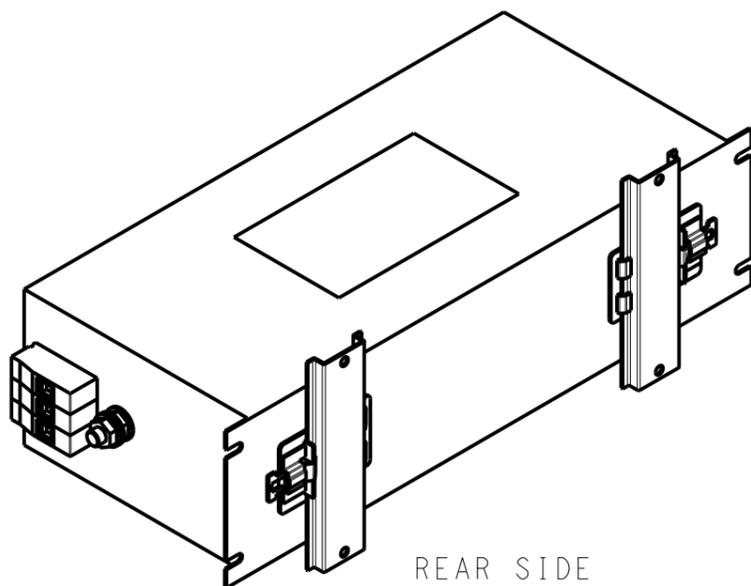
NOTE 4 DRAWING SHOWS DIN RAIL FOR REFERENCE ONLY.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



DIN RAIL CHANNEL

DIN 35 BRACKET



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SUPREETH R 26APR2021		
		CHK CHRIS BOLLE 26APR2021		
		APVD CHRIS BOLLE 26APR2021	NAME POWER LINE FILTER FOR DIN RAIL 35 INSTALLATION 75KEHD10ABSDHM	
DIMENSIONS: mm		PRODUCT SPEC -	SIZE A300779 CAGE CODE C-3-1609969-8	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	DRAWING NO C-3-1609969-8	
0 PLC ±-		WEIGHT -	RESTRICTED TO -	
1 PLC ±0.5		CUSTOMER DRAWING		
2 PLC ±0.40		SCALE 2:5		
3 PLC ±0.130		SHEET 2 OF 2		
4 PLC ±0.0500		REV A		
ANGLES ±-				
MATERIAL -				
FINISH -				