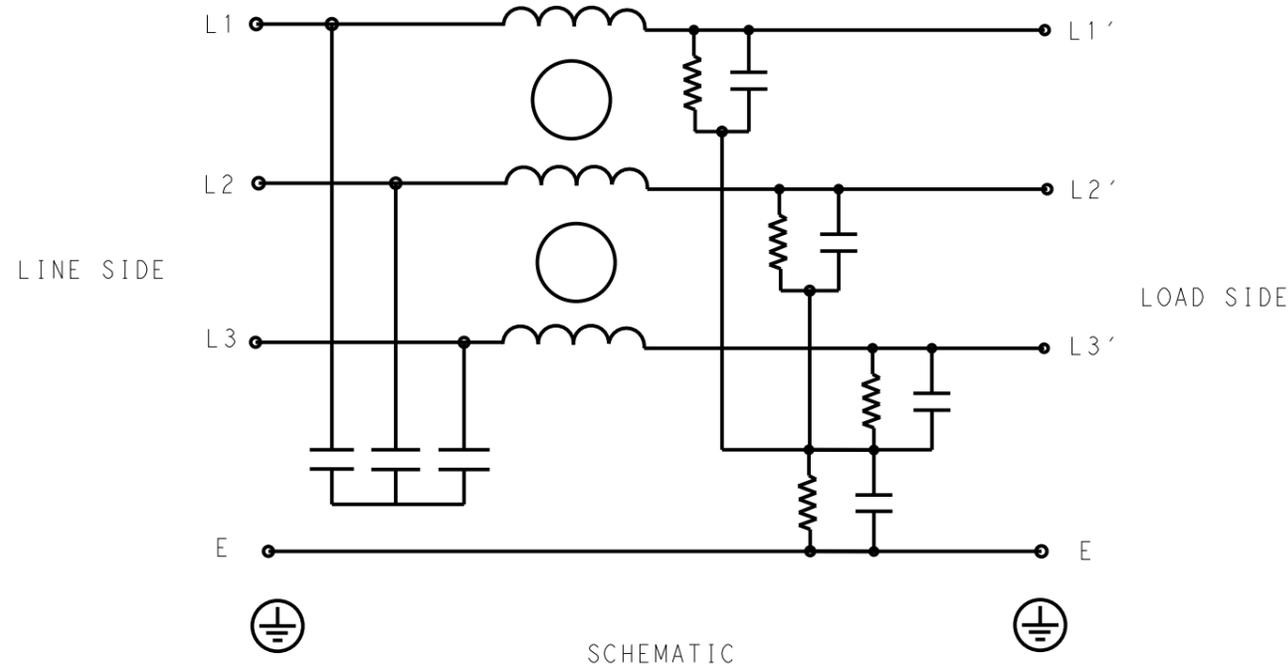


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	07APR2021	SB	CB



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	24	28	32	73	66	56	48	36	19
DM	22	30	34	69	70	58	40	49	22

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 55A 440V 50Hz/60Hz 40°C  
CSA APPROVED 55A 440V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 55A, 440VAC  
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<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: 0.6mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 0.52μF  
LINE TO LINE, NOMINAL: 1μF

DISCHARGE RESISTOR

L/G I.R. 680KΩ 1W  
L/L I.R. 3MΩ 1W  
L/N I.R. XXX  
N/G I.R. XXX

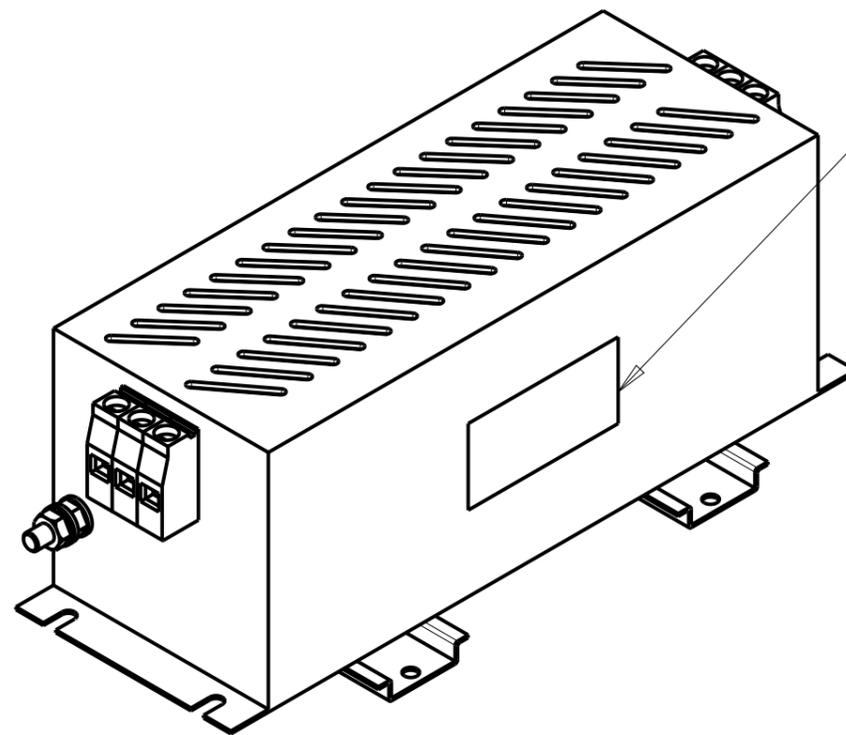
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON 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.



LABEL TO TE  
MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 07APR2021 BAPAT SAHAS		
DIMENSIONS: mm		CHK 07APR2021 CHRIS BOLLE		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 07APR2021 CHRIS BOLLE	NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 55KEMS10ABSDVM	
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 1:2	SHEET 1 OF 2	
ANGLES ±-		RESTRICTED TO	REV A	
MATERIAL		C-8-1609967-8		

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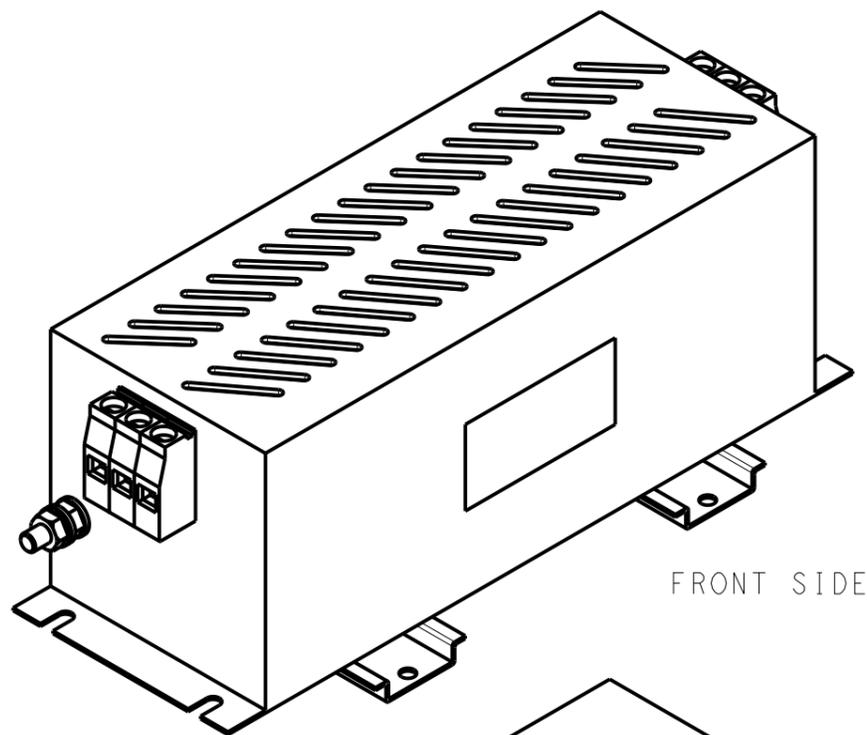
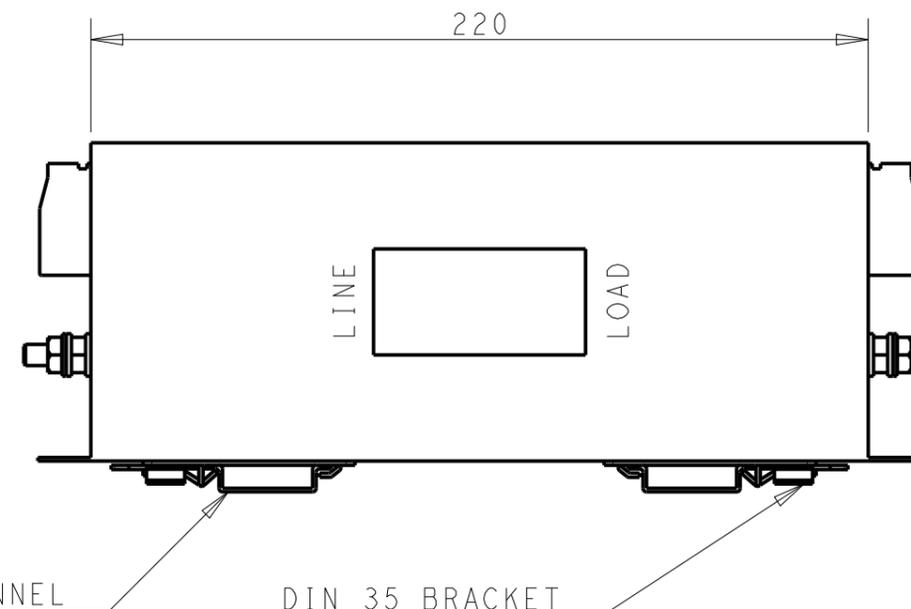
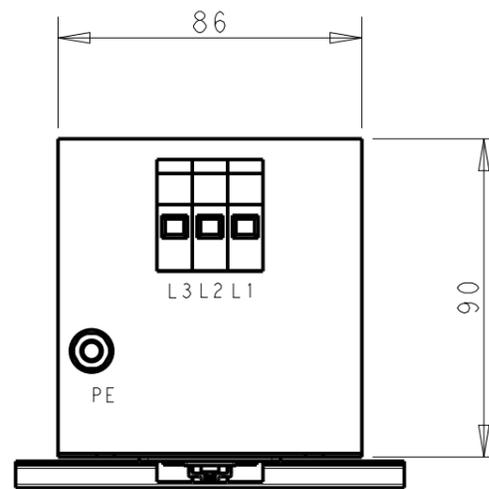
NOTE 1 GROUND CONNECTION:  
 FOR ELECTRICAL SAFETY AND FILTER PERFORMANCE  
 UNIT MUST HAVE A GOOD GROUND CONNECTION.  
 TORQUE OUTER TERMINAL SCREWS: 1.2Nm / 10.8 in.lbs  
 TORQUE GROUND NUTS: 2.5-3Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
 AWG SIZE: 26-8 AWG  
 WIRE SECTION: 10 mm<sup>2</sup>  
 THREADED BOLT SIZE FOR GROUND: M6

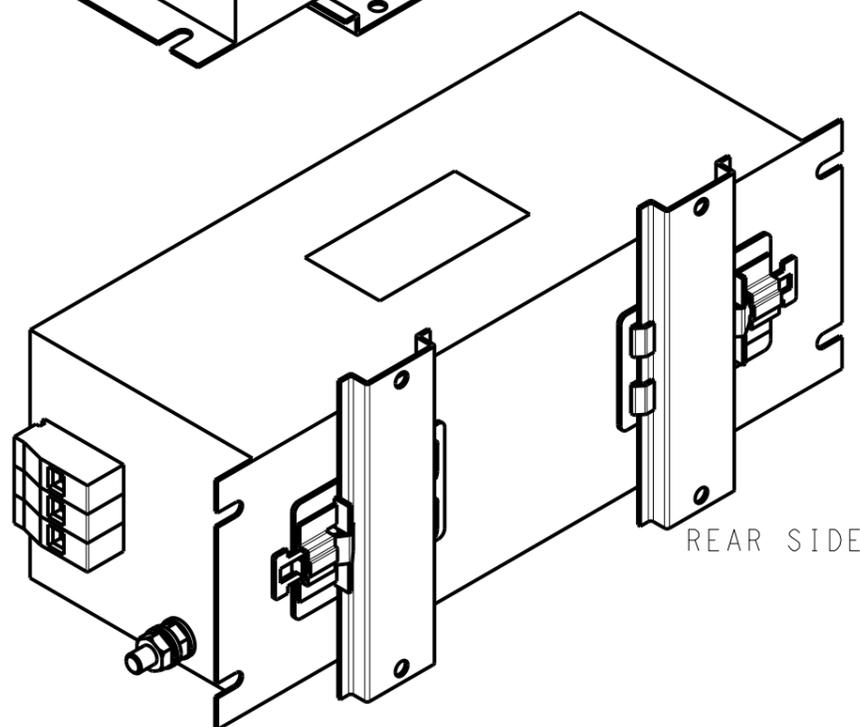
NOTE 3 SUPPLIED WITH DIN RAIL BRACKET

NOTE 4 DRAWINGS SHOWS DIN RAIL FOR REFERENCE ONLY

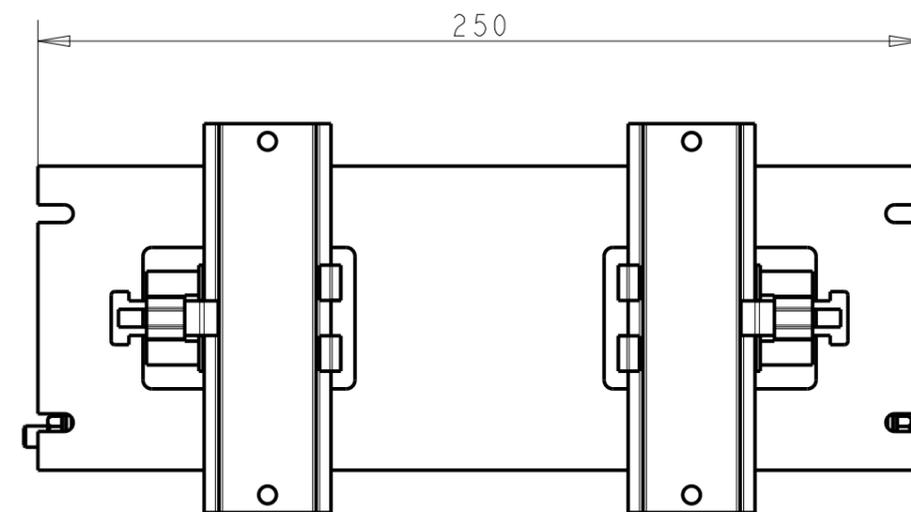
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



FRONT SIDE



REAR SIDE



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

DWN	07APR2021
BAPAT SAHAS	
CHK	07APR2021
CHRIS BOLLE	
APVD	07APR2021
CHRIS BOLLE	
PRODUCT SPEC	-
APPLICATION SPEC	-
WEIGHT	-
CUSTOMER DRAWING	

<b>TE</b> TE Connectivity	
NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 55KEMS10ABSDVM	
SIZE	RESTRICTED TO
A300779	-
CAGE CODE	SCALE
C-8-1609967-8	1:2
DRAWING NO	SHEET
	2 OF 2
REV	
A	