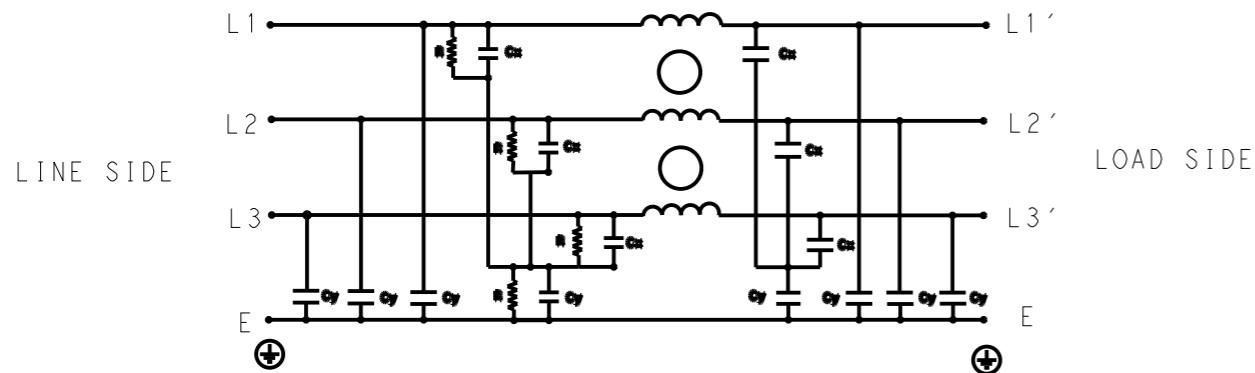


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	03APR2021	BS	CB



SCHEMATIC

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 36A 440V 50Hz/60Hz 40°C  
 CSA APPROVED 36A 440V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 36A, 440VAC  
 LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 18mA @ 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: 2mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 1.86µF  
 LINE TO LINE, NOMINAL: 5µF

DISCHARGE RESISTOR

L/G I.R. 1MΩ 1W  
 L/L I.R. 2MΩ 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 HIPOT

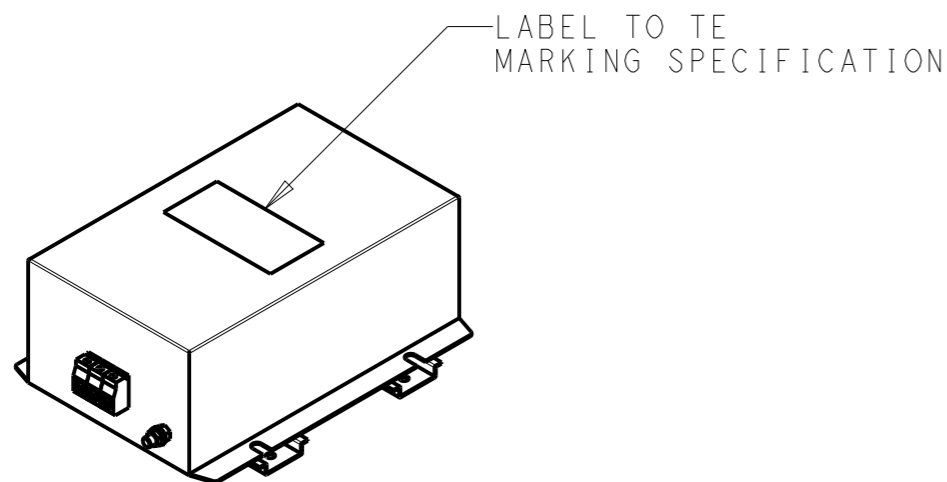
LINE TO GROUND FOR 1 MINUTE: 2632VDC  
 LINE TO LINE FOR 1 MINUTE: 1892VDC

FILTER APPROVAL

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

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	60	55	48	38	32	30	28	44	35
DM	54	50	46	40	35	42	29	40	50



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 03APR2021 BAPAT SAHAS		
DIMENSIONS: mm		CHK 03APR2021 CHRIS BOLLE		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 03APR2021 CHRIS BOLLE	NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 36KEMS10AFPDHM	
0 PLC ±-		PRODUCT SPEC	SIZE	
1 PLC ±0.5		APPLICATION SPEC	CAGE CODE	
2 PLC ±0.40			DRAWING NO	
3 PLC ±0.130			RESTRICTED TO	
4 PLC ±0.0500			A300779	
ANGLES ±-		WEIGHT	C-7-1609967-9	
MATERIAL			SCALE 1:4	
FINISH			SHEET 1 OF 2	
			REV A	
		CUSTOMER DRAWING		

REVISIONS

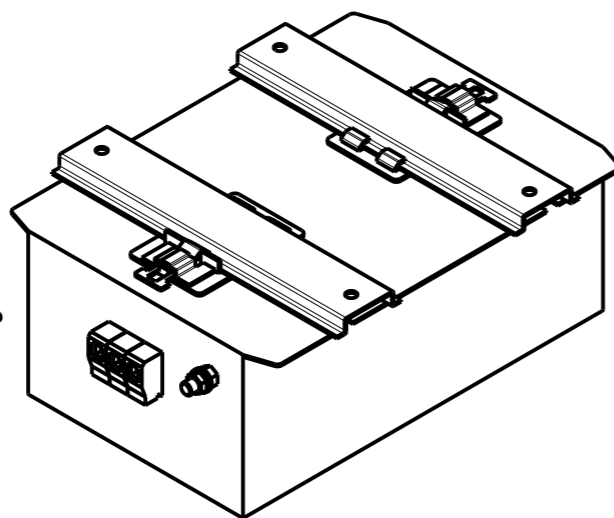
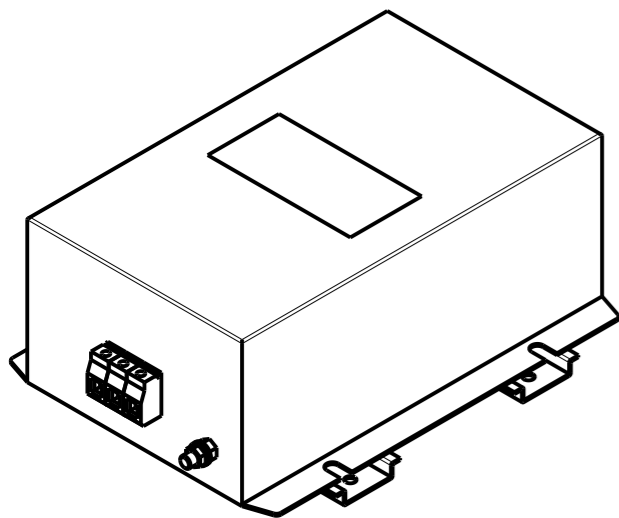
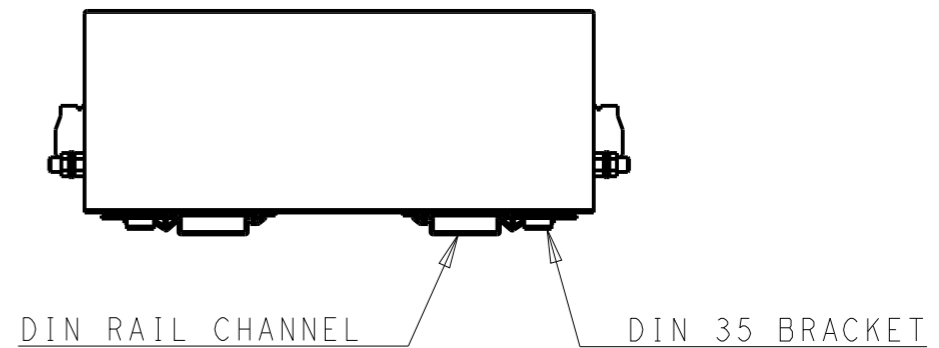
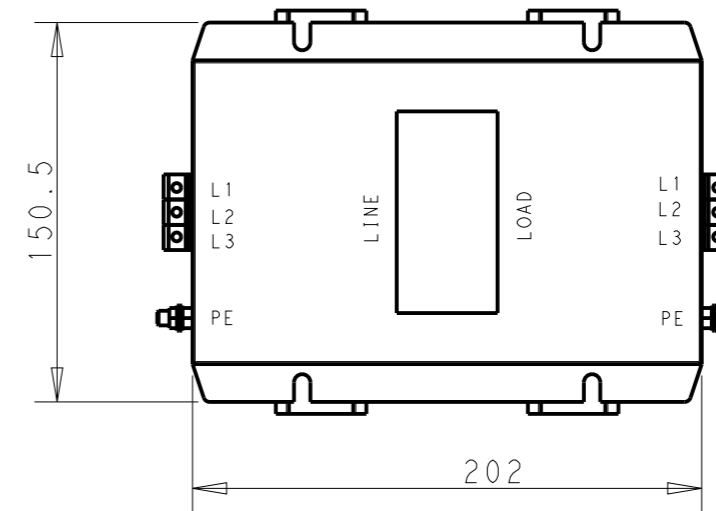
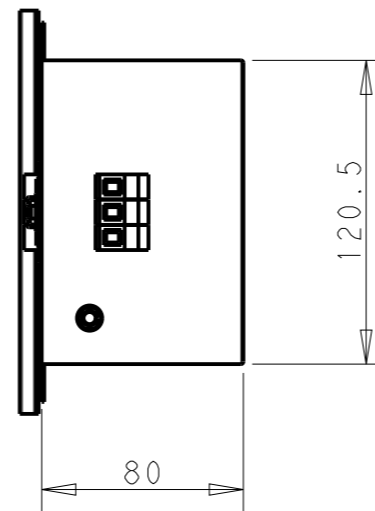
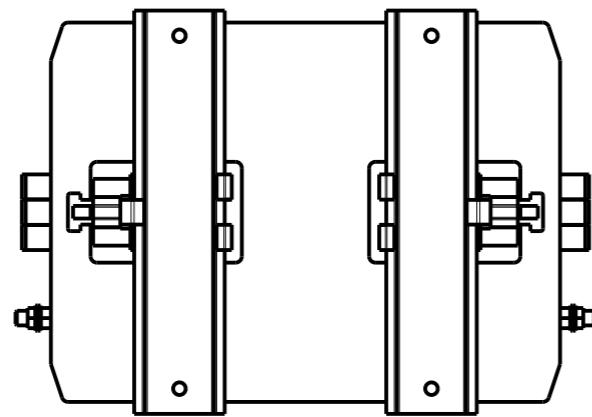
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

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



FRONT SIDE

REAR SIDE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	03APR2021		<b>TE</b> TE Connectivity
		CHK	03APR2021		
		APVD	03APR2021		
		PRODUCT SPEC	CHRIS BOLLE		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm				POWER LINE FILTER FOR	
		0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-		DIN 35 RAIL INSTALLATION	
MATERIAL		FINISH		36KEMS10AFPDHM	
-		-		SIZE	
-		-		CAGE CODE	
				DRAWING NO	
				RESTRICTED TO	
				A300779	
				C-7-1609967-9	
				SCALE	
				1:3	
				SHEET	
				2 OF 2	
				REV	
				A	
				CUSTOMER DRAWING	