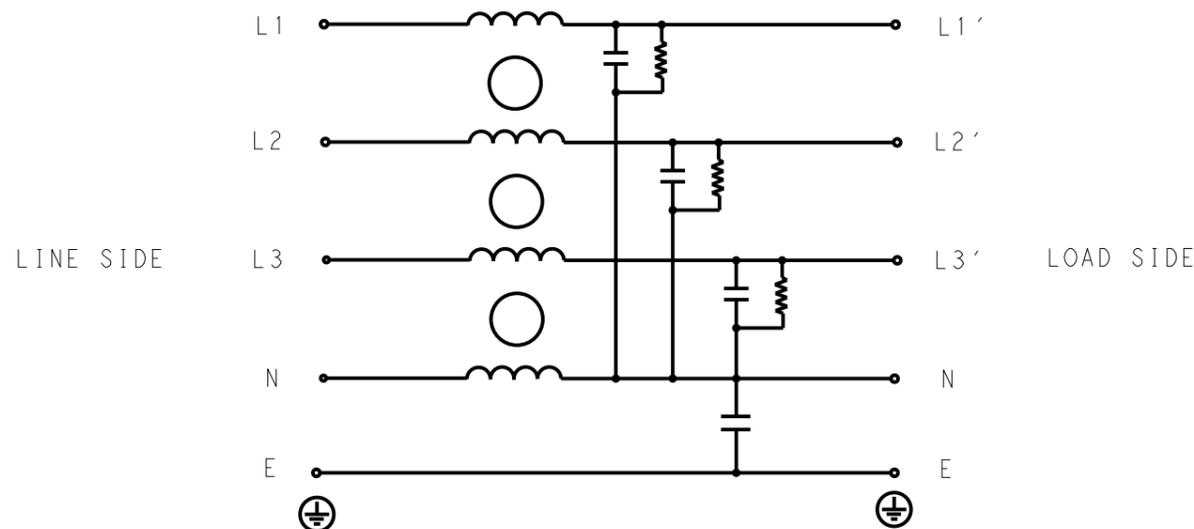


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	14APR2021	SR	CB



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 40A 520V 50Hz/60Hz 40°C
 CSA PENDING 40A 520V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 40A, 520VAC
 LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 5mA @ 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: 0.25mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 22nF
 LINE TO NEUTRAL, NOMINAL: 470nF

DISCHARGE RESISTOR

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

RECOMMENDED RECEIVING INSPECITON HIPOI

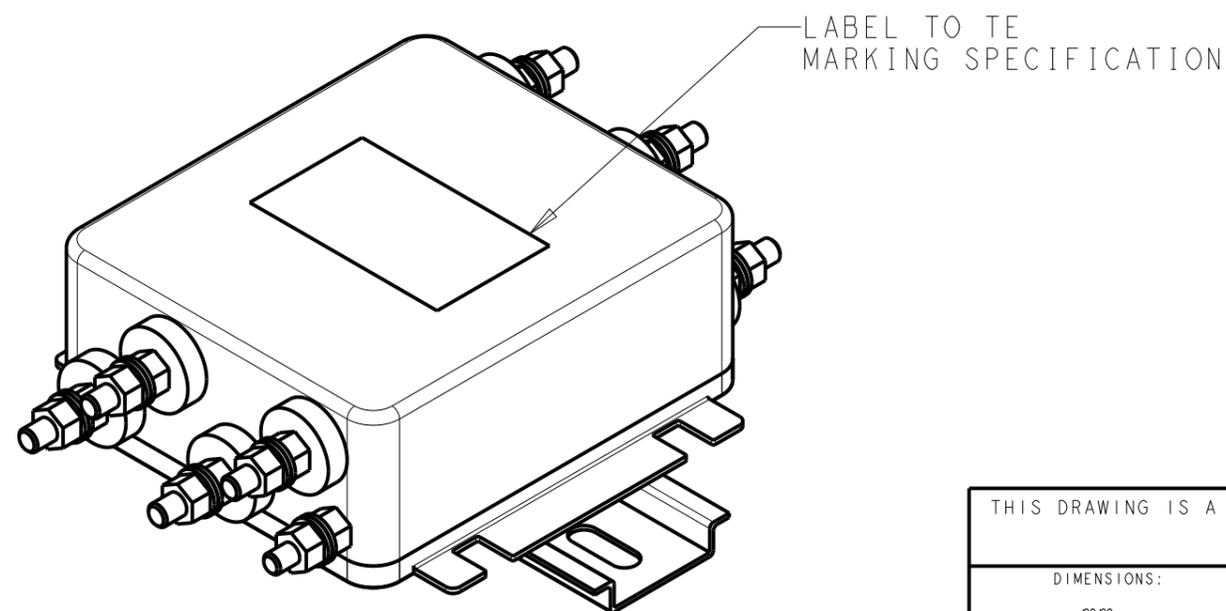
LINE TO GROUND FOR 1 MINUTE: 2856VDC
 LINE TO LINE FOR 1 MINUTE: 2236VDC
 LINE TO NEUTRAL FOR 1 MINUTE: 1290VDC

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	4	5	11	29	34	42	56	39	23
DM	17	18	21	34	43	40	29	19	33



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SUPREETH R 14APR2021		
DIMENSIONS: mm		CHK CHRIS BOLLE 14APR2021		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD CHRIS BOLLE 14APR2021		
0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-		PRODUCT SPEC -		
MATERIAL -		FINISH -	NAME POWER LINE FILTER FOR DIN RAIL 35 INSTALLATION 40KES6BFPWDM	
-		WEIGHT -	SIZE A3	CAGE CODE 00779
-		CUSTOMER DRAWING	DRAWING NO. 7-1609966-1	
		SCALE 3:4	SHEET 1 OF 2	RESTRICTED TO -
				REV A

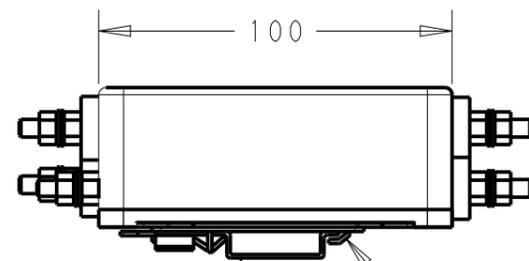
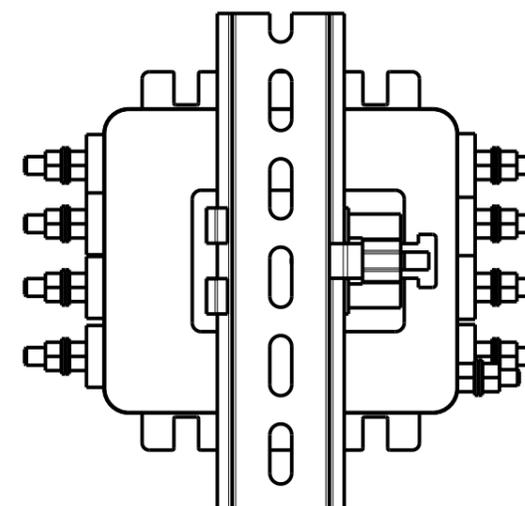
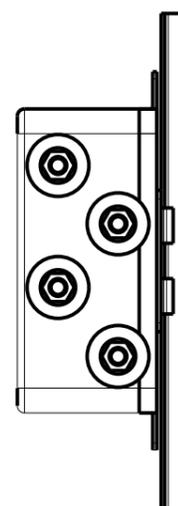
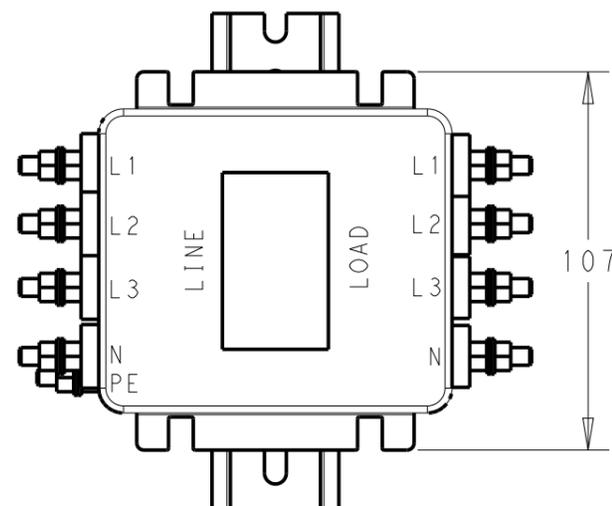
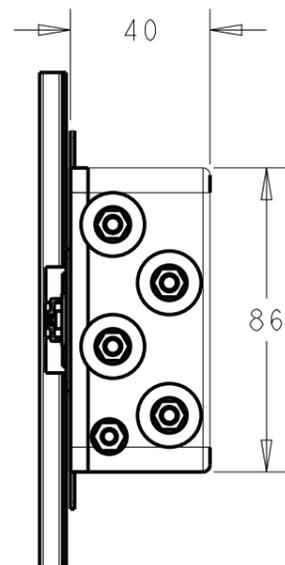
NOTE 1 GROUND CONNECTION:
 FOR ELECTRICAL SAFETY AND FILTER PERFORMANCE
 UNIT MUST HAVE A GOOD GROUND CONNECTION.
 TORQUE OUTER TERMINAL /GROUND NUTS: 2Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
 AWG SIZE: XXX
 THREADED BOLT SIZE FOR TERMINAL: M5
 THREADED BOLT SIZE FOR GROUND: M5

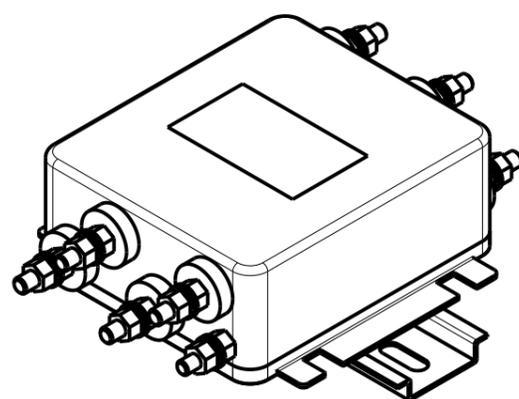
NOTE 3 SUPPLIED WITH DIN RAIL BRACKET.

NOTE 4 DRAWING SHOWS DIN RAIL FOR
 REFERENCE ONLY.

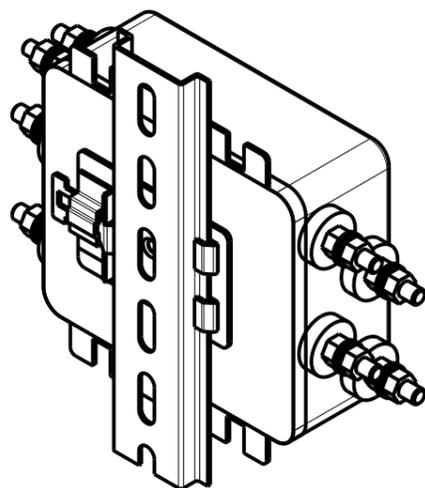
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-		SEE SHEET 1	-	-	-



DIN RAIL BRACKET DIN 35 BRACKET



FRONT SIDE



REAR SIDE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SUPREETH R 14APR2021		
		CHK CHRIS BOLLE 14APR2021		
		APVD CHRIS BOLLE 14APR2021	NAME POWER LINE FILTER FOR DIN RAIL 35 INSTALLATION 40KES6BFPWDM	
DIMENSIONS: mm		PRODUCT SPEC -	SIZE A300779 CAGE CODE G-7-1609966-1	
		APPLICATION SPEC -	RESTRICTED TO -	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		WEIGHT -	SCALE 1:2 SHEET 2 OF 2 REV A	
0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-		CUSTOMER DRAWING		
MATERIAL - FINISH -				