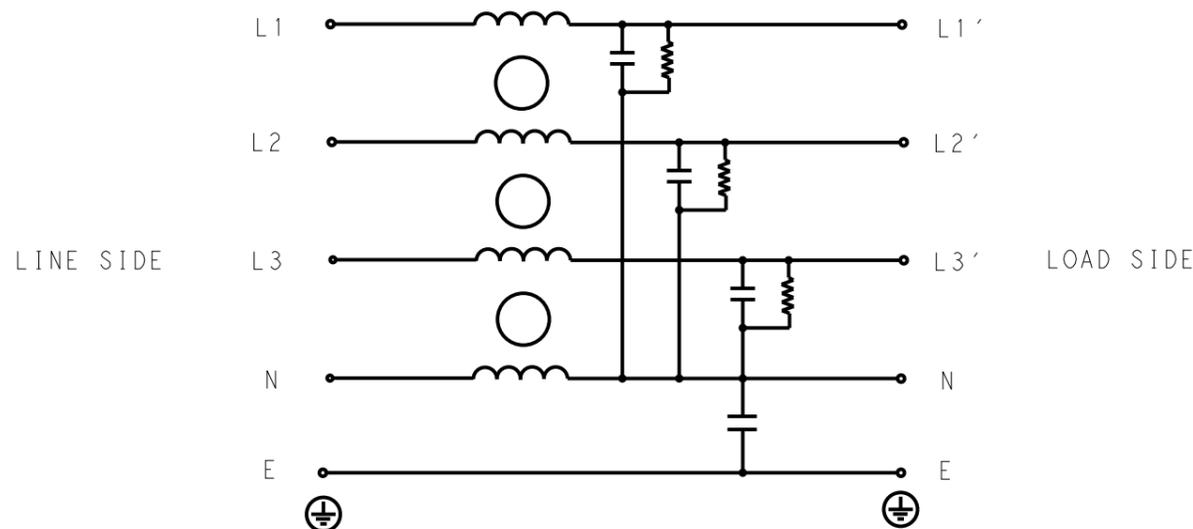


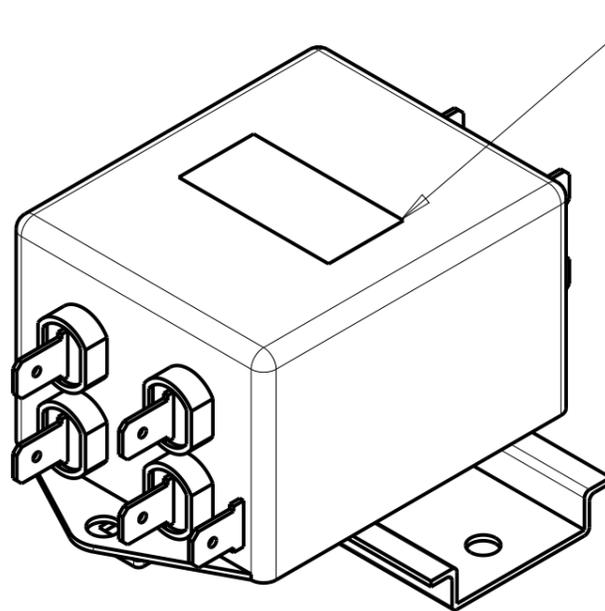
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	05APR2021	SR	CB



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	3	3	4	11	22	40	35	36	43
DM	3	4	6	19	27	30	36	38	49



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 1A 440V 50Hz/60Hz 40°C
CSA APPROVED 1A 440V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 1A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 3mA @ 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: 1mH

CAPACITANCE @ 1kHz
NEUTRAL TO GROUND, NOMINAL: 22nF
LINE TO NEUTRAL, NOMINAL: 100nF

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: 2632VDC
LINE TO LINE FOR 1 MINUTE: 1892VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1093VDC

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 05APR2021												
DIMENSIONS: mm		CHK CHRIS BOLLE 05APR2021												
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD CHRIS BOLLE 05APR2021												
<table border="1"> <tr><td>0 PLC</td><td>±-</td></tr> <tr><td>1 PLC</td><td>±0.5</td></tr> <tr><td>2 PLC</td><td>±0.40</td></tr> <tr><td>3 PLC</td><td>±0.130</td></tr> <tr><td>4 PLC</td><td>±0.0500</td></tr> <tr><td>ANGLES</td><td>±-</td></tr> </table>		0 PLC			±-	1 PLC	±0.5	2 PLC	±0.40	3 PLC	±0.130	4 PLC	±0.0500	ANGLES
0 PLC	±-													
1 PLC	±0.5													
2 PLC	±0.40													
3 PLC	±0.130													
4 PLC	±0.0500													
ANGLES	±-													
MATERIAL -		PRODUCT SPEC -	SIZE A3	CAGE CODE 00779	DRAWING NO C-3-1609966-0	RESTRICTED TO -								
FINISH -		APPLICATION SPEC -	SCALE 1:1		SHEET 1 OF 2	REV A								
-		WEIGHT -	CUSTOMER DRAWING											

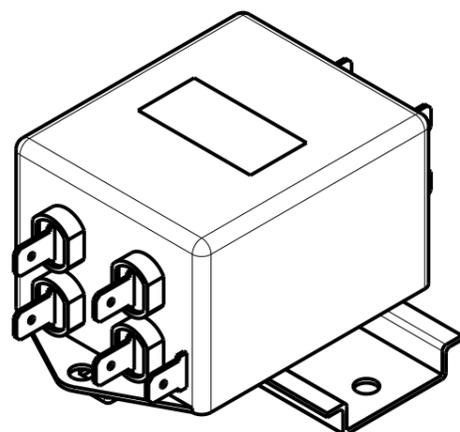
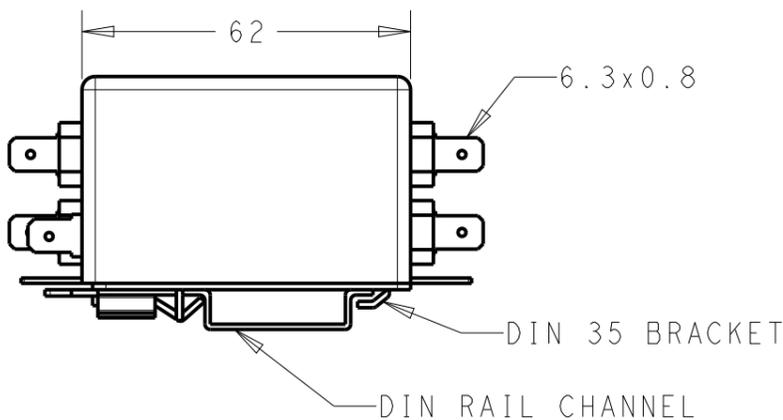
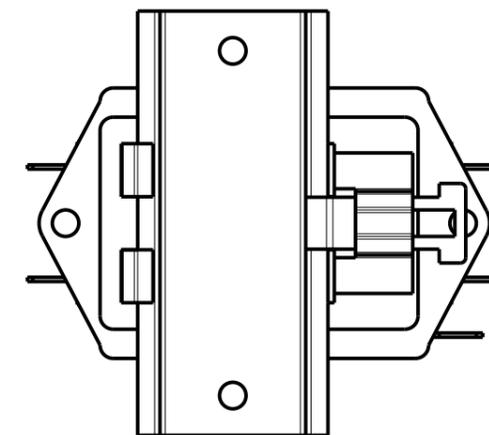
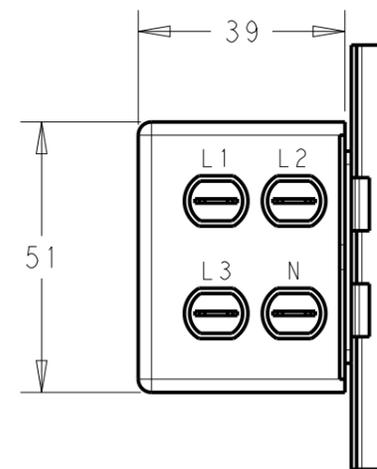
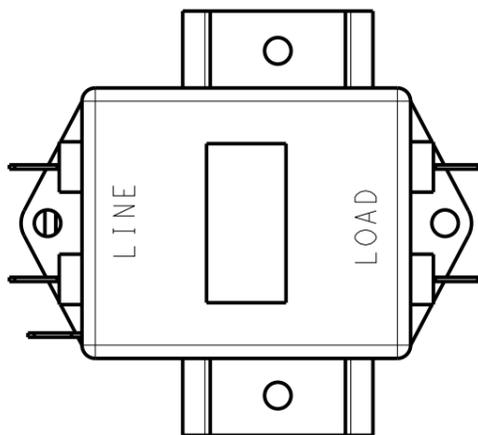
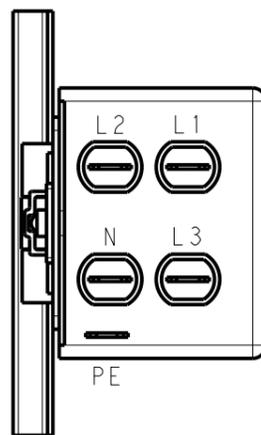
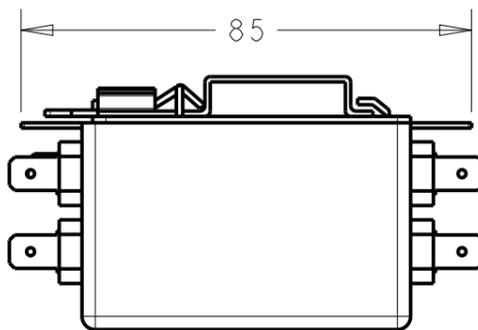
NOTE 1 GROUND CONNECTION:
FOR ELECTRICAL SAFETY AND FILTER PERFORMANCE
UNIT MUST HAVE A GOOD GROUND CONNECTION.

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX

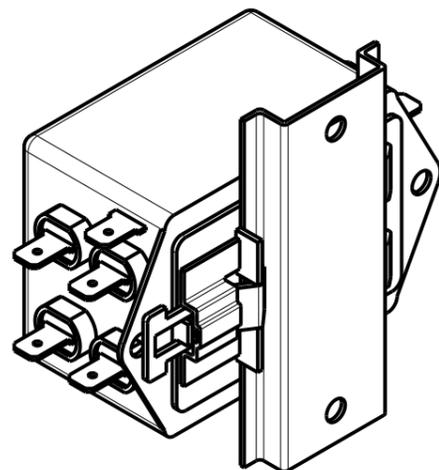
NOTE 3 SUPPLIED WITH DIN RAIL BRACKET.

NOTE 4 DRAWING SHOWS DIN RAIL FOR
REFERENCE ONLY.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



FRONT SIDE



REAR SIDE

THIS DRAWING IS A CONTROLLED DOCUMENT.

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

DWN	05APR2021
SUPREETH R	
CHK	05APR2021
CHRIS BOLLE	
APVD	05APR2021
CHRIS BOLLE	
PRODUCT SPEC	
-	
APPLICATION SPEC	
-	
WEIGHT	
-	
CUSTOMER DRAWING	

		NAME		RESTRICTED TO
		POWER LINE FILTER FOR DIN RAIL 35 INSTALLATION 1KES1AFPWDM		
SIZE	CAGE CODE	DRAWING NO		
A3	00779	C-3-1609966-0		
SCALE		SHEET	OF	REV
3:4		2	2	A