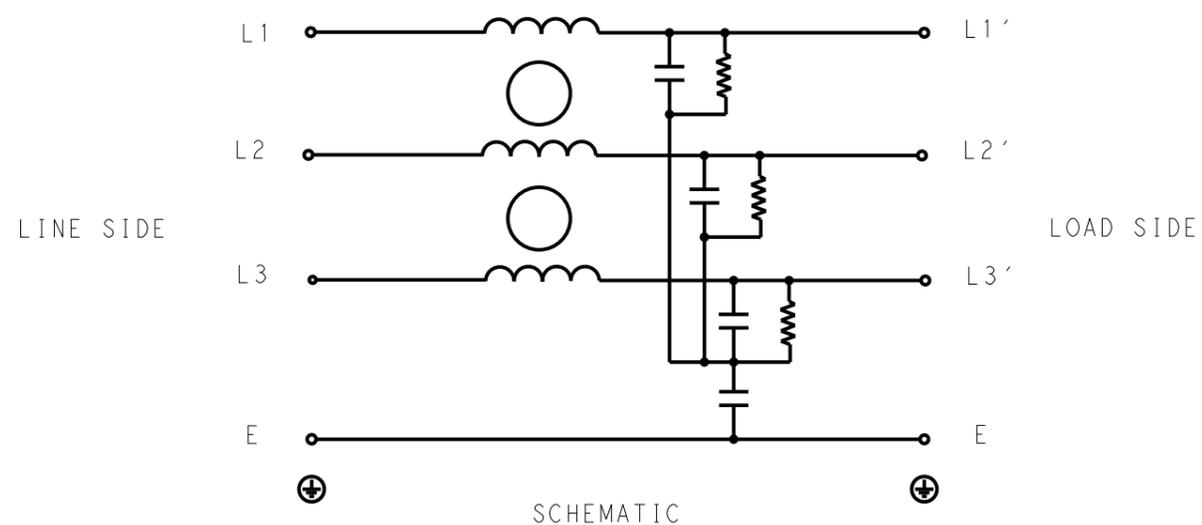


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	05APR2021	SR	CB



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	4	15	25	29	30	30	32	31
DM	4	5	20	29	30	31	32	35	40

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 10A 520V 50Hz/60Hz 40°C  
CSA PENDING 10A 520V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 10A, 520VAC  
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<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: 0.5mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 18nF  
LINE TO LINE, NOMINAL: 50nF

DISCHARGE RESISTOR

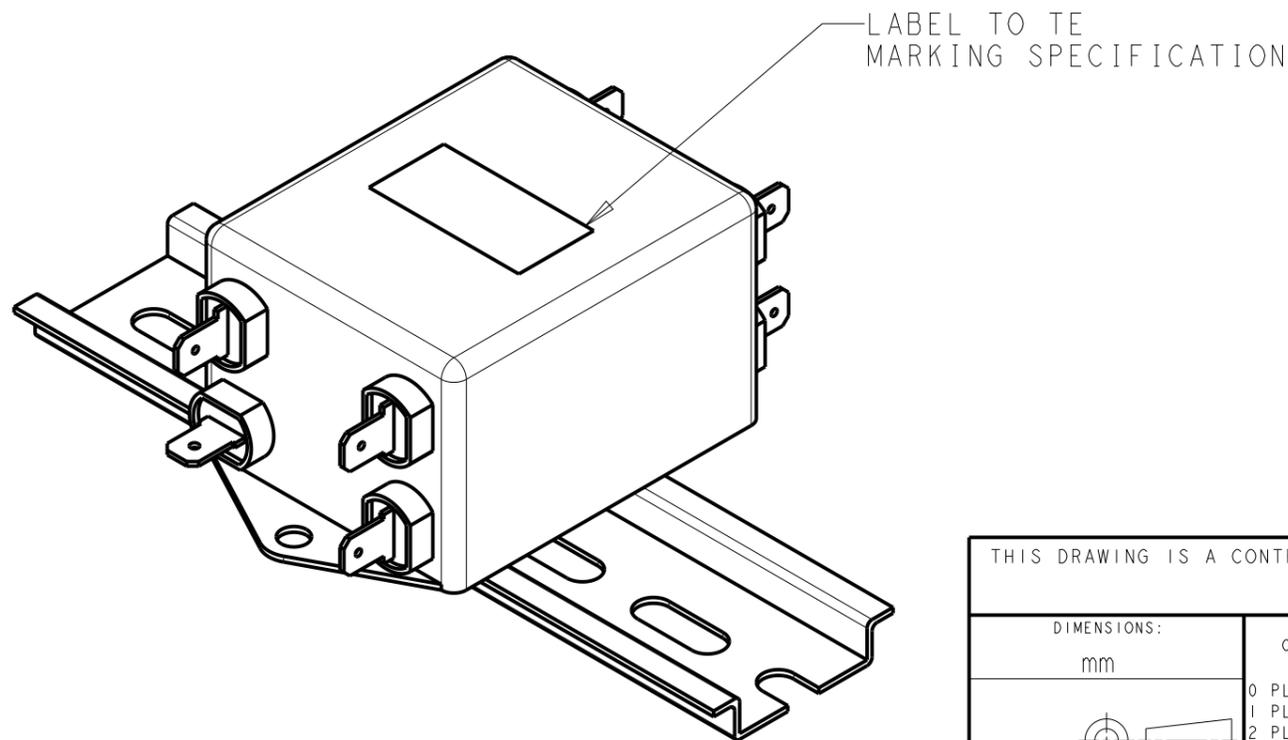
L/G I.R. 680KΩ 1W  
L/L I.R. 2MΩ 1W  
L/N I.R. XXX  
N/G I.R. XXX  
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT

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

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		
		CHK CHRIS BOLLE 05APR2021		
DIMENSIONS: mm		APVD CHRIS BOLLE 05APR2021	NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 10KEBS1BFPDDM	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC -	SIZE A300779 CAGE CODE C-6-1609965-6	
0 PLC ±-		APPLICATION SPEC -	RESTRICTED TO -	
1 PLC ±0.5		WEIGHT -	SCALE 1:1 SHEET 1 OF 2 REV A	
2 PLC ±0.40		CUSTOMER DRAWING		
3 PLC ±0.130				
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.

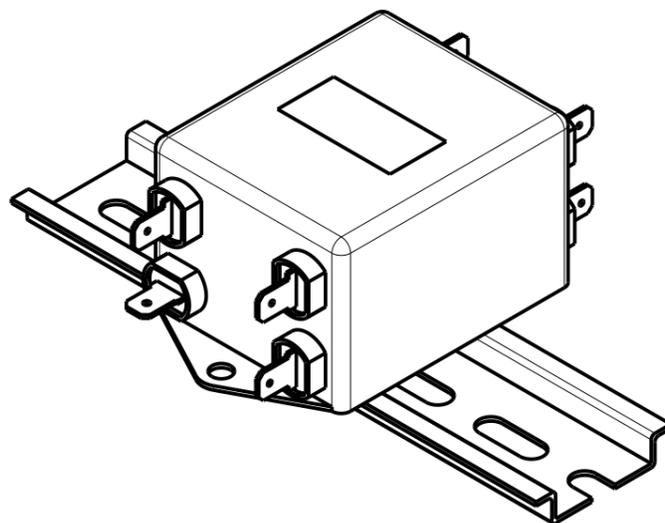
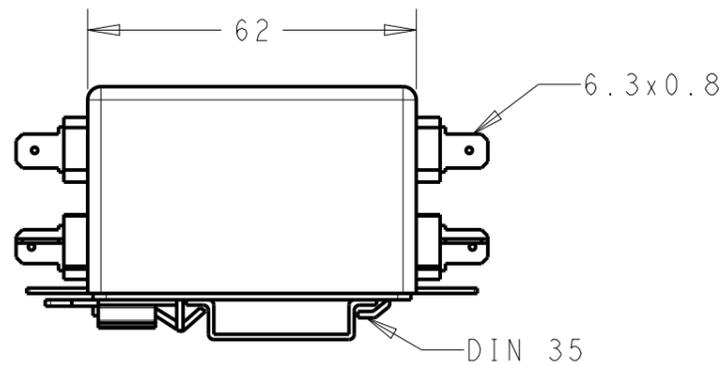
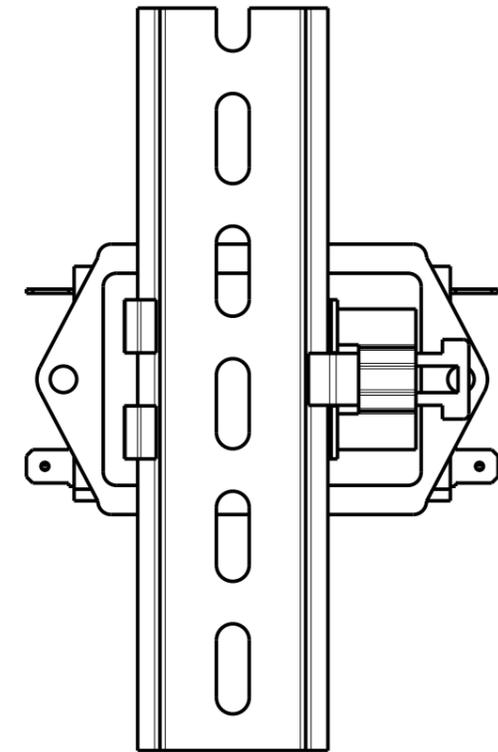
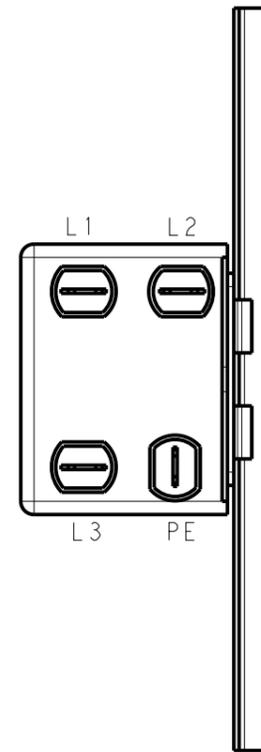
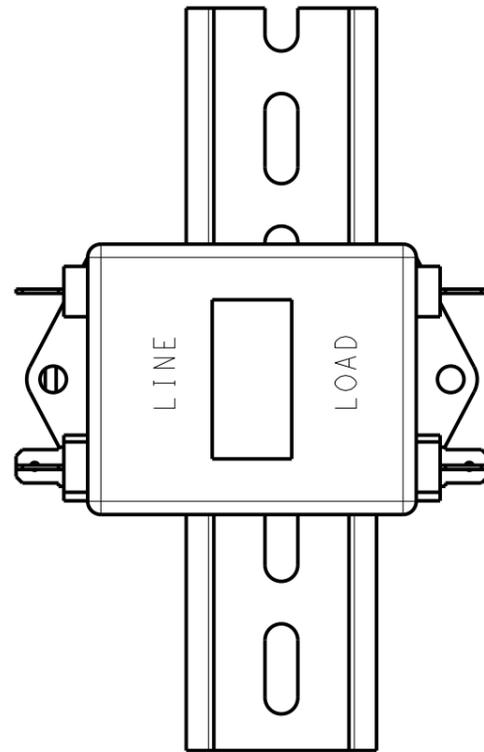
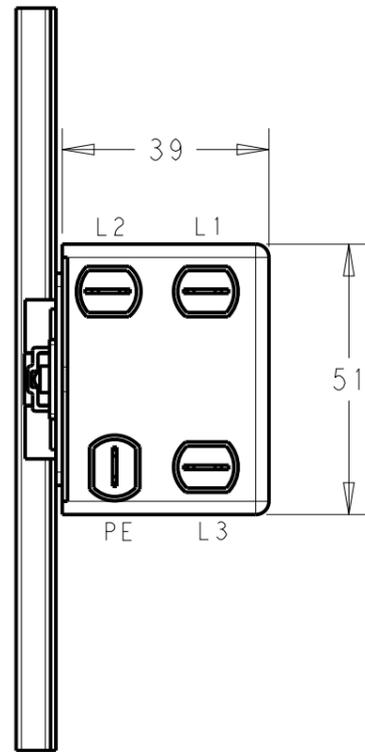
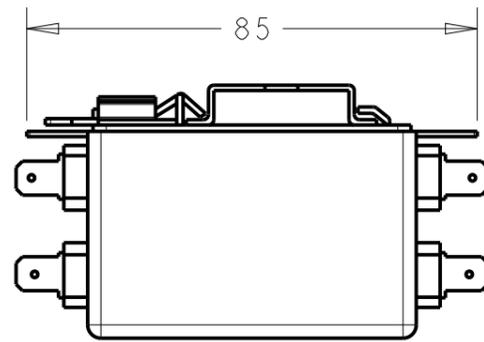
NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
AWG SIZE: XXX

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			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SUPREETH R 05APR2021		
		CHK CHRIS BOLLE 05APR2021		
		APVD CHRIS BOLLE 05APR2021	NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 10KEBS1BFPDDM	
DIMENSIONS: mm		PRODUCT SPEC -	RESTRICTED TO -	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	SIZE A3	CAGE CODE 00779
0 PLC ±-		WEIGHT -	DRAWING NO G-6-1609965-6	
1 PLC ±0.5				
2 PLC ±0.40		SCALE 3:4		
3 PLC ±0.130		SHEET 2 OF 2		
4 PLC ±0.0500		REV A		
ANGLES ±-				
MATERIAL -	FINISH -	CUSTOMER DRAWING		