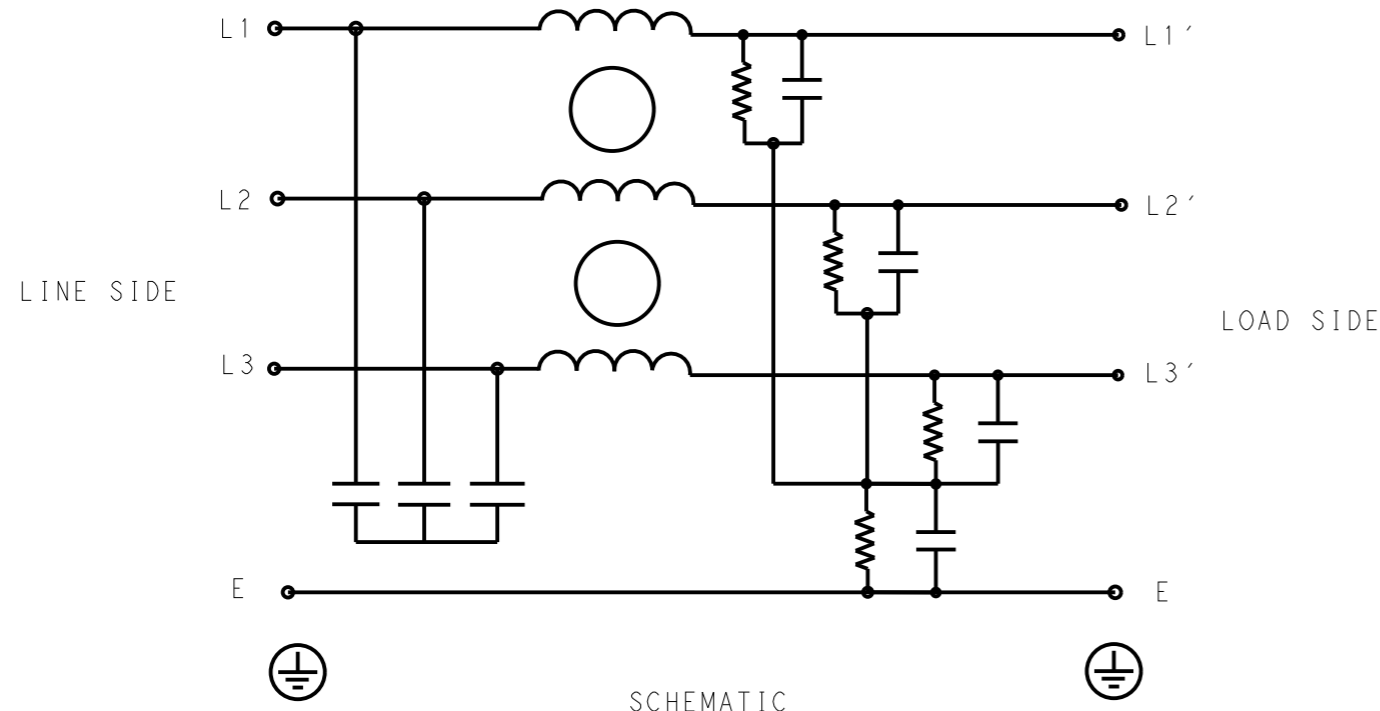


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	07APR2021	SB	CB



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	23	32	36	71	67	60	54	30	17
DM	38	40	45	86	81	68	50	49	35

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 75A 520V 50Hz/60Hz 40°C
CSA APPROVED 75A 520V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 75A, 520VAC
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_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: 0.35mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 0.73μF
LINE TO LINE, NOMINAL: 2.2μF

DISCHARGE RESISTOR

L/G I.R. 680KΩ 2W
L/L I.R. 3MΩ 2W
L/N I.R. XXX
N/G I.R. XXX

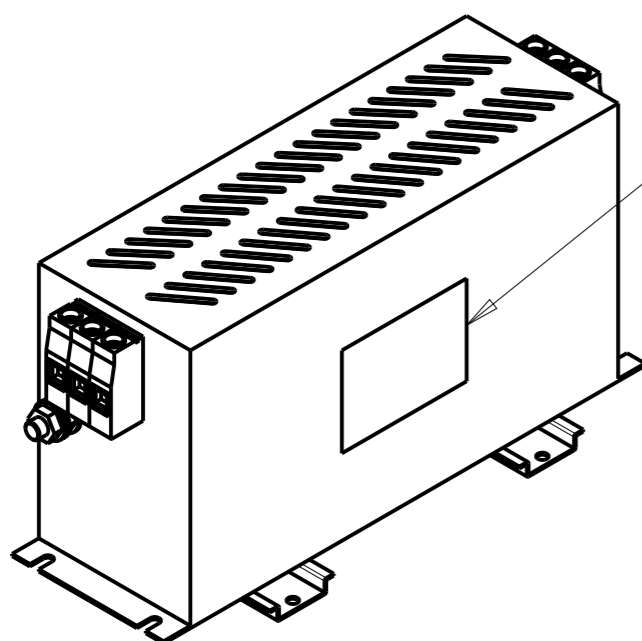
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECTION HIPOI

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.



LABEL TO TE
MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 07APR2021 BAPAT SAHAS		
		CHK 07APR2021 CHRIS BOLLE		
		APVD 07APR2021 CHRIS BOLLE	NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 75KEMS10BBSDHM	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		RESTRICTED TO
		0 PLC ±-	PRODUCT SPEC	
		1 PLC ±0.5	APPLICATION SPEC	
		2 PLC ±0.40	WEIGHT	
		3 PLC ±0.130	CUSTOMER DRAWING	
		4 PLC ±0.0500	SCALE 1:3	SHEET 1 OF 2
MATERIAL		FINISH	SIZE A300779	DRAWING NO. C-8-1609968-0
			REV A	

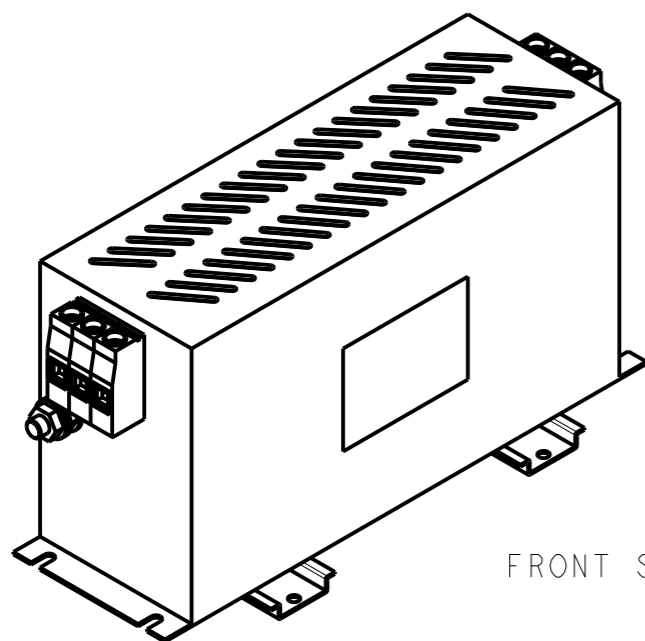
NOTE 1 GROUND CONNECTION:
 FOR ELECTRICAL SAFETY AND FILTER PERFORMANCE
 UNIT MUST HAVE A GOOD GROUND CONNECTION.
 TORQUE OUTER TERMINAL SCREWS: 2-2.2Nm / 18 -19.8 in.lbs
 TORQUE GROUND NUTS: 3.5-6Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
 AWG SIZE: 12-8 AWG
 WIRE SECTION: 16 mm²
 THREADED BOLT SIZE FOR GROUND: M8

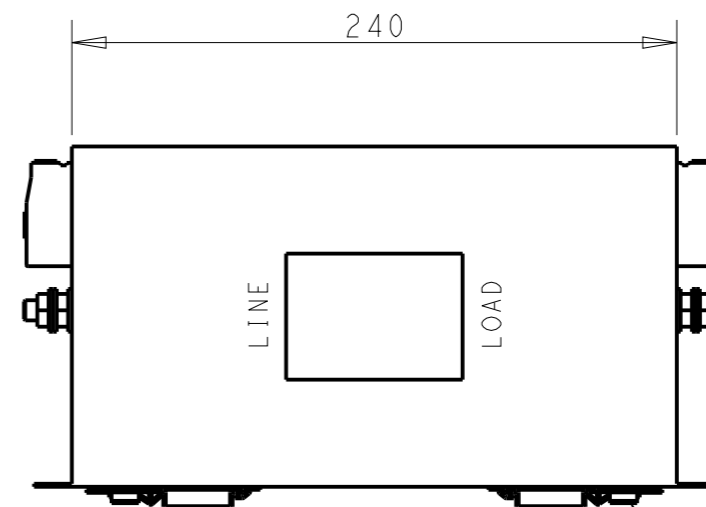
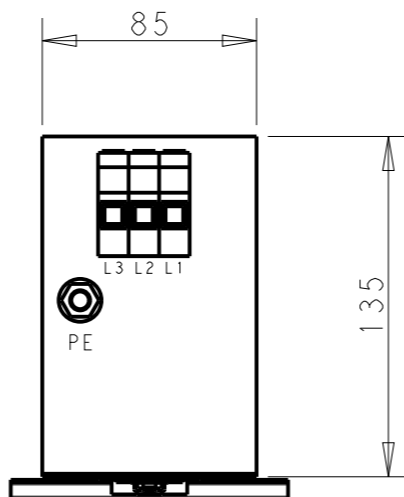
NOTE 3 SUPPLIED WITH DIN RAIL BRACKET

NOTE 4 DRAWINGS SHOWS DIN RAIL FOR
 REFERENCE ONLY

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

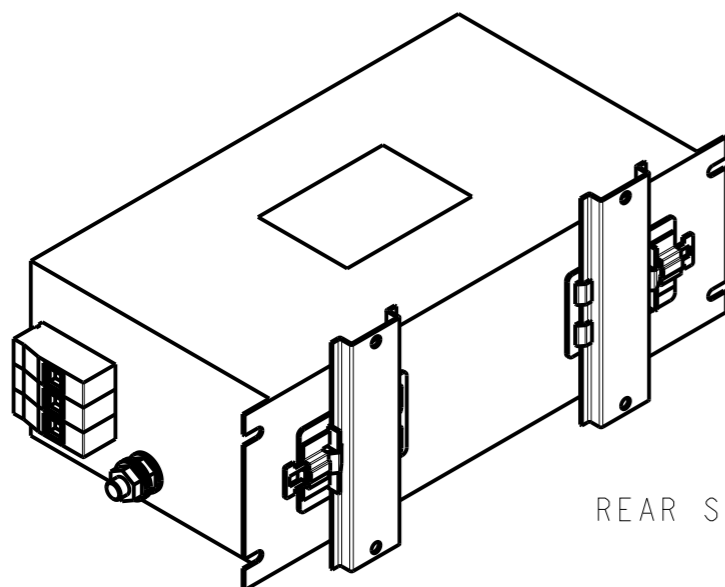


FRONT SIDE

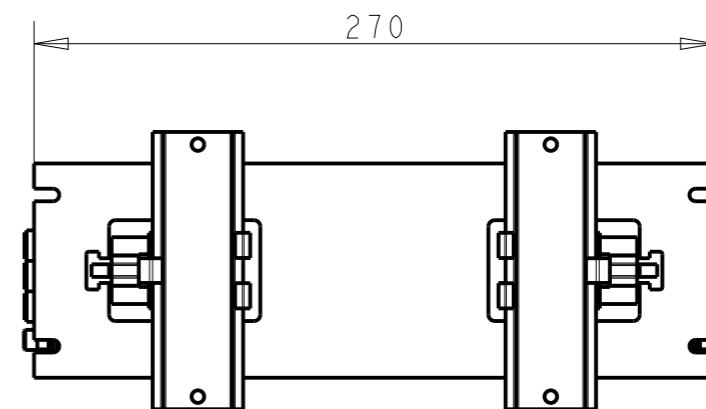


DIN RAIL CHANNEL

DIN 35 BRACKET



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

		TE Connectivity	
NAME POWER LINE FILTER FOR DIN 35 RAIL INSTALLATION 75KEMS10BBSDHM			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-8-1609968-0	-
SCALE		SHEET	REV
1:3		2 OF 2	A