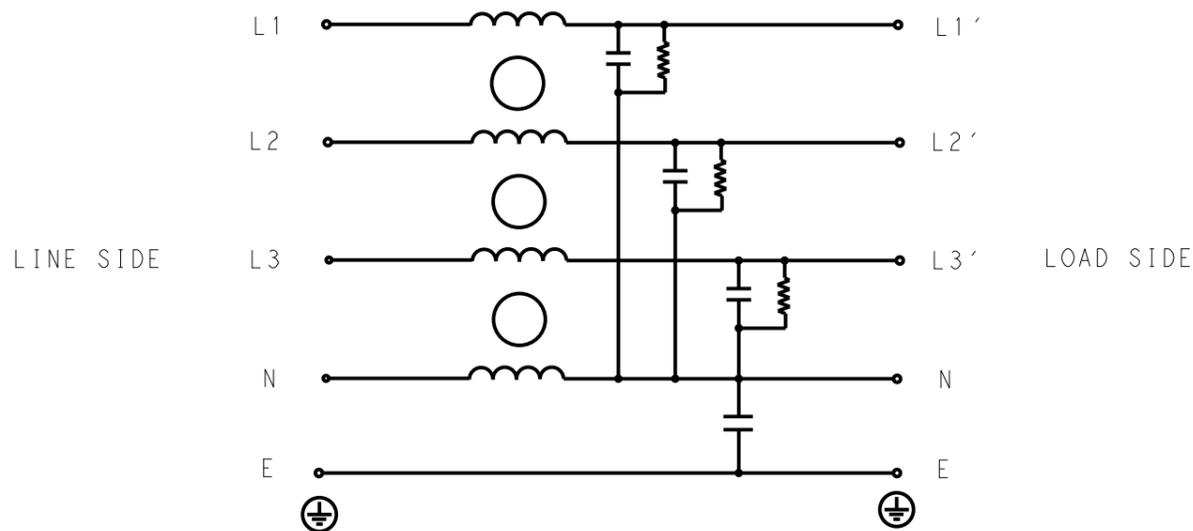


REVISIONS

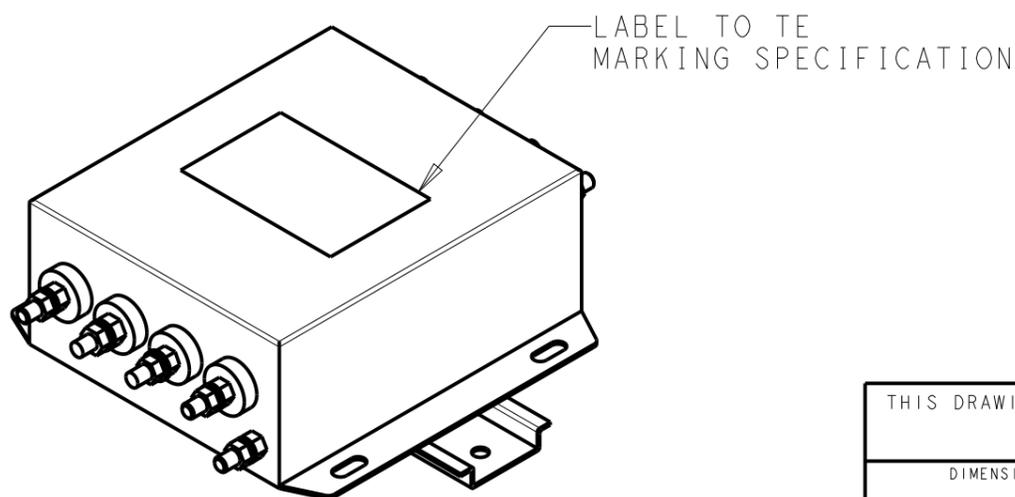
| P | LTR | DESCRIPTION     | DATE      | DWN | APVD |
|---|-----|-----------------|-----------|-----|------|
|   | A   | INITIAL RELEASE | 14APR2021 | SR  | CB   |
|   |     |                 |           |     |      |
|   |     |                 |           |     |      |



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  | 4    | 5    | 10   | 25  | 30 | 39 | 50 | 38 | 24 |
| DM  | 11   | 18   | 22   | 39  | 45 | 28 | 24 | 17 | 15 |



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

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 60A, 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<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: 0.2 mH

CAPACITANCE @ 1kHz

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

DISCHARGE RESISTOR

L/G I.R. 2MΩ 2W  
 L/L I.R. 2MΩ 2W  
 L/N I.R. 1MΩ 2W  
 N/G I.R. 680KΩ 2W  
 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  
 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.

|  |  |  |              |  |
|--|--|--|--------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN SUPREETH R 14APR2021               |              |  |
|  |  | CHK CHRIS BOLLE 14APR2021              |              |  |
|  |  | APVD CHRIS BOLLE 14APR2021             |              |  |
|  |  | PRODUCT SPEC                           |              |  |
| DIMENSIONS: mm                         |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |              | NAME POWER LINE FILTER FOR DIN RAIL 35 INSTALLATION 60KES6BFPWHM |
|  |  | 0 PLC ±-                               | 1 PLC ±0.5   | SIZE A300779   |
|  |  | 2 PLC ±0.40                            | 3 PLC ±0.130 | CAGE CODE C-7-1609966-3  |
|  |  | 4 PLC ±0.0500                          | ANGLES ±-    | DRAWING NO   |
| MATERIAL -                             |  | FINISH -                               |              | RESTRICTED TO -  |
|  |  |  |              | WEIGHT -   |
|  |  | CUSTOMER DRAWING                       |              | SCALE 1:2 SHEET 1 OF 2 REV A                                     |

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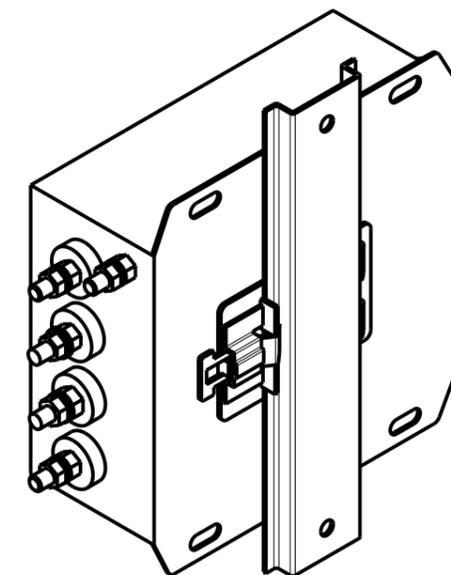
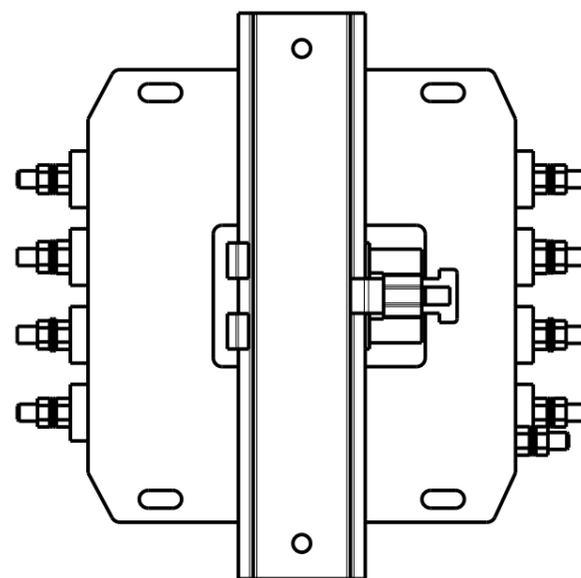
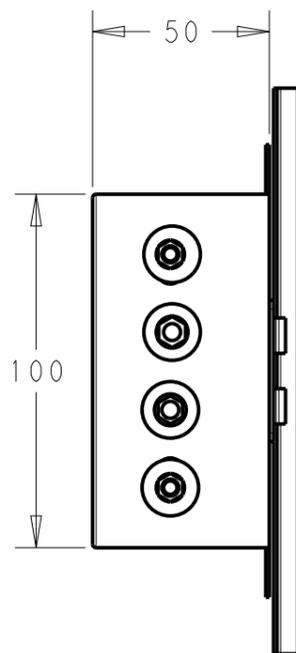
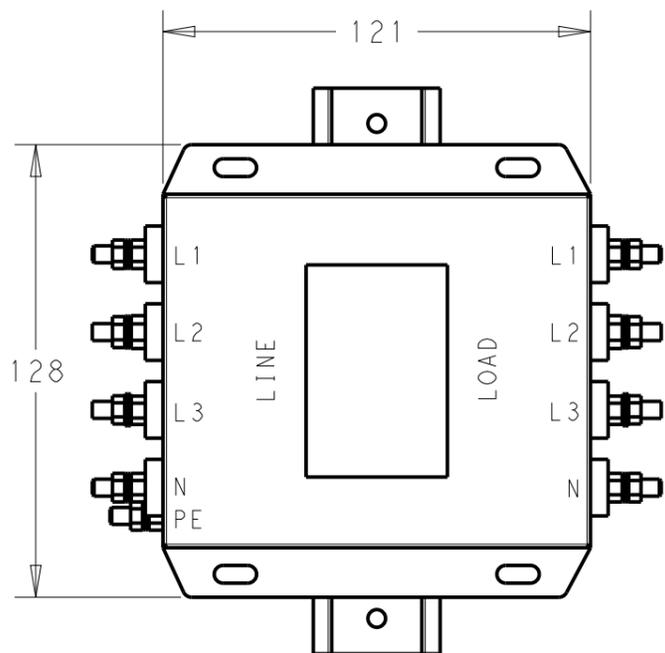
NOTE 1 GROUND CONNECTION:  
 FOR ELECTRICAL SAFETY AND FILTER PERFORMANCE  
 UNIT MUST HAVE A GOOD GROUND CONNECTION.  
 TORQUE OUTER TERMINAL /GROUND NUTS: 2.5-3Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
 AWG SIZE: XXX  
 THREADED BOLT SIZE FOR TERMINAL: M6  
 THREADED BOLT SIZE FOR GROUND: M6

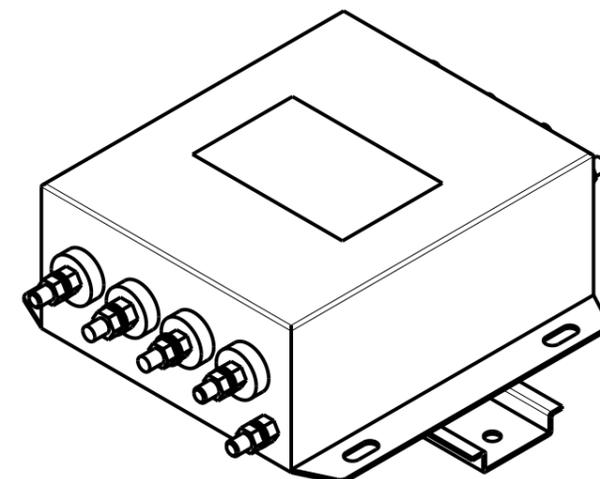
NOTE 3 SUPPLIED WITH DIN RAIL BRACKET.

NOTE 4 DRAWING SHOWS DIN RAIL FOR REFERENCE ONLY.

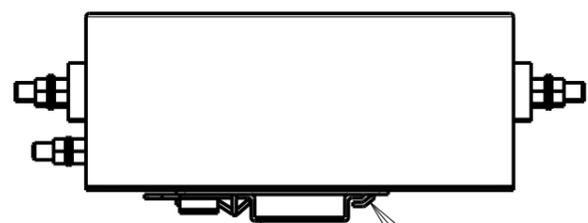
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|           |     | SEE SHEET 1 |      |     |      |
|           |     |             |      |     |      |
|           |     |           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



REAR SIDE



FRONT SIDE



DIN RAIL BRACKET — DIN 35 BRACKET

|  |  |                            |  |                 |                          |                 |
|--|--|----------------------------|--|-----------------|--------------------------|-----------------|
| 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 60KES6BFPWHM |                 |                          |                 |
| DIMENSIONS: mm                         |  | PRODUCT SPEC -             | SIZE A3  | CAGE CODE 00779 | DRAWING NO C-7-1609966-3 | RESTRICTED TO - |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APPLICATION SPEC -         | SCALE 1:2  |                 | SHEET 2 OF 2             | REV A           |
| 0 PLC ±-                               |  | WEIGHT -                   | CUSTOMER DRAWING   |                 |                          |                 |
| 1 PLC ±0.5                             |  |                            |  |                 |                          |                 |
| 2 PLC ±0.40                            |  |                            |  |                 |                          |                 |
| 3 PLC ±0.130                           |  |                            |  |                 |                          |                 |
| 4 PLC ±0.0500                          |  |                            |  |                 |                          |                 |
| ANGLES ±-                              |  |                            |  |                 |                          |                 |
| MATERIAL -                             |  |                            |  |                 |                          |                 |
| FINISH -                               |  |                            |  |                 |                          |                 |