

POWER DISTRIBUTION BLOCKS: NPDB-14-750-1



| | |
|------------|------------|
| PROGRAM: | SOLIDWORKS |
| UPDATED: | 08/2023 |
| SALES REV: | B |
| SIZE: | C |

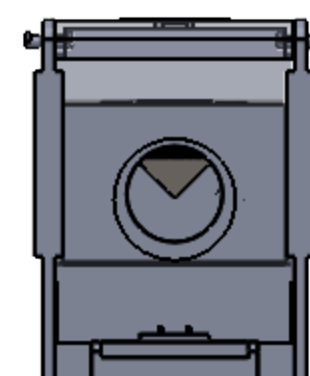
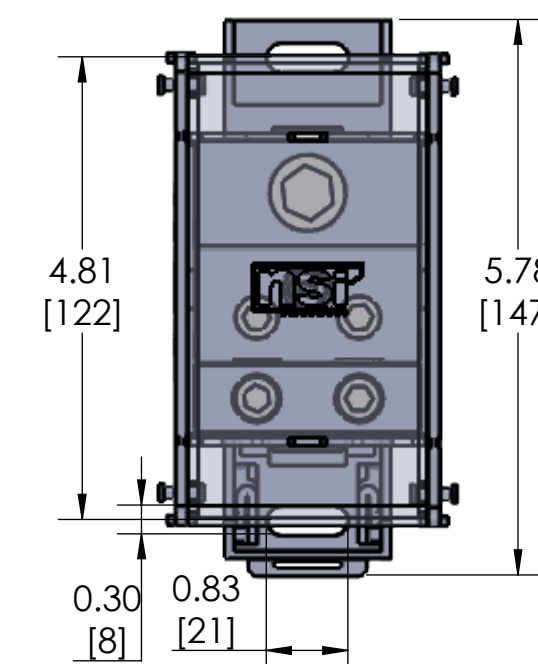
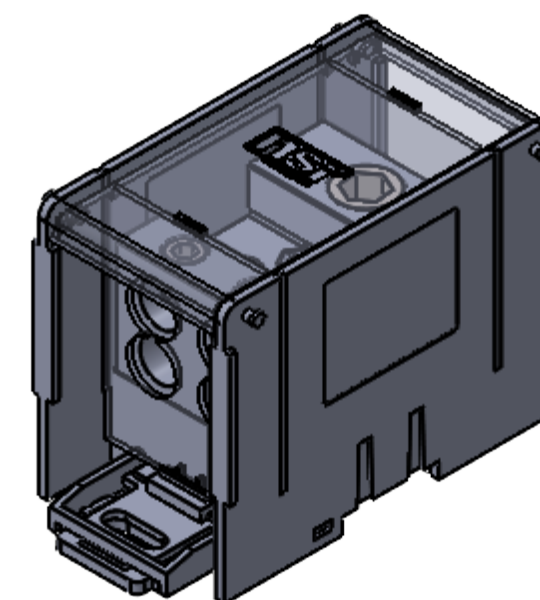
| FUSE TABLE | |
|---|--------------------|
| Overcurrent Protection, Fuse Required Class | Maximum Amp Rating |
| Class J | 110A |
| Class T | 110A |
| Class RK1 | 60A |
| Class RK5 | 30A |
| Class G | 60A |
| Class CC | 30A |

FEATURES:

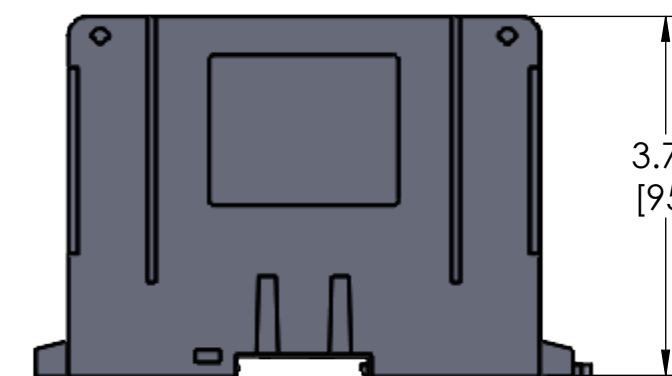
1. AVAILABLE IN FINGER SAFE STYLE MODEL ONLY THAT INCLUDE END PLATES AND HINGED COVER
2. FINGER SAFE TO IP20. PER. IEC60529
3. cULus LISTED TO UL 1953 AND 1059
4. AL9CU RATED FOR USE WITH COPPER OR ALUMINUM CONDUCTOR CLASS B & C, AND OPERATING TEMP OF 90C
5. VOLTAGE RATING 600 V
6. DEFAULT SCCR (SHORT CIRCUIT CURRENT RATING) WITH CORRECT FUSING = 100KA
7. QUICK RELEASE LOCKING MECHANISM TO DISCONNECT FROM STD.35MM DIN RAIL
8. OVAL ALIGN MOUNTING HOLE AT BASE ON EITHER WIRE ENTRY END
9. MATERIAL: COVER AND END PLATES = LEXAN 500R POLYCARBONATE
10. MATERIAL: BASE AND SIDE PANELS = VAALOX NYLON 6/6 GF30%
11. MATERIAL: CONNECTOR BLOCK 6061T6 ALUMINUM TIN PLATED
12. MATERIAL: WIRE PORT SCREWS, STEEL TIN PLATED
13. MATERIAL: CONNECTOR TO BLOCK SECURITY SCREW, STEEL TIN PLATED
14. MULTI-PORT GANGING OF SAME SIZE BLOCK (SML, MED, LRG)
15. MAXIMUM AMPACITY PER POLE = 380A
16. PRIMARY (LINE, RUN, MAIN) SIDE = 500 MCM
17. PRIMARY MAXIMUM TORQUE VALUE = 442 IN.LBF
18. PRIMARY STRIP LENGTH = 1.000"
19. MAXIMUM AMPACITY PER POLE = 380A
20. SECONDARY (LINE, RUN, MAIN) SIDE = 4/0 AWG
21. SECONDARY MAXIMUM TORQUE VALUE = 224 IN.LBF
22. SECONDARY STRIP LENGTH = 1.000"

NOTES:

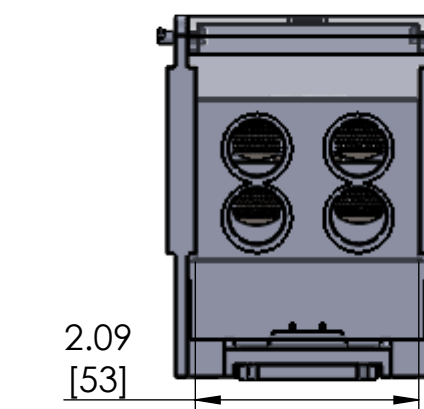
1. DIMENSIONS IN BRACKETS [] ARE IN MM ROUNDED OFF TO THE NEAREST MM, UNLESS OTHERWISE SPECIFIED AND ARE FOR REFERENCE ONLY
2. MATERIALS: BASE, POLE SEPERATING SIDE AND LOCK - NYLON 66 GF30%
BLOCK AND RETENTION SCREWS - TIN PLATED ALUMINUM
FINGER SAFE COVERS - POLYCARBONATE
BLOCK MOUNTING HARDWARE - STAINLESS STEEL
3. MAY BE USED IN ANY NUMBER OF POLES REQUIRED.



RUN SIDE



DIN RAIL STYLE



TAP SIDE

2: TORQUE VALUES

| WIRE RANGE (MCM/AWG) | CONNECTOR SIZE | | | | | | | | | |
|----------------------|----------------|-----|-----|-----|-----|-----|-----|-----|----|----|
| | 750 | 600 | 500 | 350 | 250 | 3/0 | 2/0 | 1/0 | #2 | #4 |
| 750 - 600 | 550 | 550 | | | | | | | | |
| 500 | 550 | 450 | 450 | | | | | | | |
| 400 | 550 | 450 | 450 | | | | | | | |
| 350 | 550 | 400 | 400 | 400 | | | | | | |
| 250 | 550 | 360 | 360 | 360 | 360 | | | | | |
| 4/0 - 3/0 | 550 | 250 | 250 | 250 | 250 | 250 | | | | |
| 2/0 | 550 | 180 | 180 | 180 | 180 | 180 | 120 | | | |
| 1/0 | 550 | 180 | 180 | 180 | 180 | 180 | 80 | 80 | | |
| #1 | | 150 | 150 | 150 | 150 | 150 | 65 | 65 | | |
| #2 - #3 | | 150 | 150 | 150 | 150 | 150 | 65 | 65 | 65 | |
| #4 - #6 | | 150 | 110 | 110 | 110 | 110 | 55 | 55 | 35 | 35 |
| #8 | | | | 75 | | | 45 | 45 | 25 | 25 |
| #10 - #14 | | | | 35 | | | 25 | 25 | 15 | 15 |

| NPDB - | 14 - | 750 - | 1 |
|--|------|-------------------|-----------------|
| NSI PRODUCT GROUP POWER DISTRIBUTION BLOCKS | | | |
| 1ST DIGIT = # OF PRIMARY COND. 2ND DIGIT = # OF SECONDARY COND. | | | |
| | | MAXIMUM WIRE SIZE | |
| | | | NUMBER OF POLES |

