



Bulletin 1492-PD



Bulletin 1492-PDL



Bulletin 1492-PDE

Bulletin 1492 — Power Blocks

Rockwell Automation offers a broad line of Allen-Bradley Power Distribution Blocks, which are designed to meet most application needs. The Power Blocks feature terminal identification options (either write-on marking surface or marker retention feature). In addition, mounting dimensions are provided with each unit and wire ranges and tightening torques are labeled on the product to simplify installation. Five styles of power blocks are available:

- Mini blocks
- Open-style power distribution terminal blocks with aluminum or copper connectors
- Open-style feed-through/splicer terminal blocks with aluminum or copper connectors
- Enclosed power distribution terminal blocks with aluminum or copper connectors
- UL 1953 Listed power distribution terminal blocks with aluminum connectors

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 Approximate Dimensions..... 12-89

Standards Compliance

UL 1059
 UL Subject 1953
 CSA C22.2 No. 158
 EN/IEC 60947-1, -7-1

Certifications

CE Marked
 CSA Certified (File No. 72582, Class 6228-01)
 UL Component Recognized (File No. E40735, Guide No. XCFR2)
 UL1953 Listed (File No. E31347, Guide No. QPQS)

Flammability Rating

94V-O

Product Selection

Mini Blocks

- Rated at 600V AC/DC, 115 A; these blocks offer high current-carrying capacity in a very small package to save on panel space
- Two configurations available: 3-pole feed-through with 1 line opening and 1 load opening per pole; 3-pole power distribution with 1 line opening and 4 load openings per pole
- Insulating material max. temperature: 257 °F (125 °C)

Enclosed Power Distribution Blocks (with Aluminum or Copper Connectors)

- IP20 from the front
- Rated at 600V AC/DC, 175...510 A
- Single-pole devices; gangable to create multi-pole solutions
- 1 or 2 line openings per pole, 1, 2, 4, or 8 load openings per pole
- Insulating material max. temperature: 257 °F (125 °C)

Open-Style Power Distribution and Splicer Blocks (with Aluminum or Copper Connectors)

- Rated at 600V AC/DC, 175...760 A
- 1- and 3-pole configurations
- 1 or 2 line openings per pole, 1, 2, 4, 6, 8, or 12 load openings per pole
- Insulating material max. temperature: 302 °F (150 °C)

UL 1953 Listed Power Distribution Blocks (with Aluminum Connectors)

- Three-pole devices
- 1 line opening per pole, 1, 4, 6, 9, or 12 load openings per pole
- Insulating material max. temperature: 302 °F (150 °C)

Open Style Block with Aluminum Connectors

| Cat. No. | Line | | | | | Load | | | | |
|--|--------------|----------|-------------------------|--|-------------------------|-------------------------|--|-------------------------|-------------------|--|
| | No. of Poles | Amperage | Connector Configuration | Wire Range for Line | Wires Per Pole for Line | Connector Configuration | Wire Range for Load | Wires Per Pole for Load | Power Block Cover | |
| Mini-Blocks | | | | | | | | | | |
| 1492-PDM3111 | 3 | 115 | | #2...14 AWG (35...2.5) mm ² | 1 | | #2...14 AWG (35...2.5) mm ² | 1 | 1492-PBC9 | |
| 1492-PDM3141 | 3 | 115 | | #2...14 AWG (35...2.5) mm ² | 1 | | #10...16 AWG (6...0.75) mm ² | 4 | 1492-PBC9 | |
| Open-Style — Aluminum Connector | | | | | | | | | | |
| 1492-50Y | 1 | 115 | | #2...14 AWG (35...2.5) mm ² | 1 | | #2...14 AWG (35...2.5) mm ² | 1 | 1492-PBC4 | |
| 1492-50X | 3 | 115 | | #2...14 AWG (35...2.5) mm ² | 1 | | #2...14 AWG (35...2.5) mm ² | 1 | 1492-PBC1 | |
| 1492-100Y | 1 | 175 | | 2/0...#14 AWG (70...2.5) mm ² | 1 | | 2/0...#14 AWG (70...2.5) mm ² | 1 | 1492-PBC4 | |
| 1492-50YF | 1 | 175 | | 2/0...#14 AWG (70...2.5) mm ² | 1 | | 1/4" Tap w/Binding Screw | 1 | 1492-PBC4 | |

Power Blocks

Product Selection, Continued









Open Style Blocks with Aluminum Connectors, Continued

| Cat. No. | Line | | | | | Load | | | |
|--------------|--------------|----------|-------------------------|---|-------------------------|-------------------------|---|-------------------------|-------------------|
| | No. of Poles | Amperage | Connector Configuration | Wire Range for Line | Wires Per Pole for Line | Connector Configuration | Wire Range for Load | Wires Per Pole for Load | Power Block Cover |
| 1492-100X | 3 | 175 | | 2/0...#14 AWG (70...2.5 mm ²) | 1 | | 2/0...#14 AWG (70...2.5 mm ²) | 1 | 1492-PBC1 |
| 1492-50 XF | 3 | 175 | | 2/0...#14 AWG (70...2.5 mm ²) | 1 | | 1/4' Tap w/Binding Screw | 1 | 1492-PBC1 |
| 1492-PD3141 | 3 | 175 | | 2/0...#14 AWG (70...2.5 mm ²) | 1 | | #4...14 AWG (25...2.5 mm ²) | 4 | 1492-PBC1 |
| 1492-BE | 1 | 255 | | 250 MCM... #6 AWG (120...16 mm ²) | 1 | | 250 MCM... #6 AWG (120...16 mm ²) | 1 | 1492-PBC5 |
| 1492-PD3113 | 3 | 310 | | 350 MCM... #6 AWG (185...16 mm ²) | 1 | | 350 MCM... #6 (185...16 mm ²) | 1 | 1492-PBC2 |
| 1492-PD3163 | 3 | 335 | | 400 MCM... #6 AWG (185...16 mm ²) | 1 | | #2...14 AWG (36...2.5 mm ²) | 6 | 1492-PBC2 |
| 1492-PD3183 | 3 | 335 | | 400 MCM... #6 AWG (185...16 mm ²) | 1 | | #2...14 AWG (35...2.5 mm ²) | 8 | 1492-PBC8 |
| 1492-PD3263 | 3 | 350 | | 2/0...#14 AWG (70...2.5 mm ²) | 2 | | #4...14 AWG (25...2.5 mm ²) | 6 | 1492-PBC2 |
| 1492-PD31123 | 3 | 380 | | 500 MCM... #6 AWG (240...25 mm ²) | 1 | | #2...14 AWG (35...2.5 mm ²) | 12 | 1492-PBC3 |
| 1492-BF | 1 | 420 | | 600 MCM... #4 AWG (300...25 mm ²) | 1 | | 600 MCM... #4 AWG (300...25 mm ²) | 1 | 1492-PBC6 |
| 1492-PD3226 | 3 | 620 | | 350 MCM... #6 AWG (185...16 mm ²) | 2 | | 350 MCM... #6 AWG (185...16 mm ²) | 2 | 1492-PBC3 |
| 1492-BG | 1 | 760 | | 500 MCM... #4 AWG (240...25 mm ²) | 2 | | 500 MCM... #4 AWG (240...25 mm ²) | 2 | 1492-PBC7 |
| 1492-PD3287 | 3 | 760 | | 500 MCM... #6 AWG (240...25 mm ²) | 2 | | #2/0...14 AWG (70...2.5 mm ²) | 8 | 1492-PBC3 |
| 1492-PD32127 | 3 | 760 | | 500 MCM... #6 AWG (240...25 mm ²) | 2 | | #4...14 AWG (25...2.5 mm ²) | 12 | 1492-PBC3 |















Copper Connectors

| Cat. No. | Line | | | | | Load | | | |
|--------------------------------|--------------|----------|-------------------------|--|-------------------------|-------------------------|--|-------------------------|-------------------|
| | No. of Poles | Amperage | Connector Configuration | Wire Range for Line | Wires Per Pole for Line | Connector Configuration | Wire Range for Load | Wires Per Pole for Load | Power Block Cover |
| Open Style — Copper Connectors | | | | | | | | | |
| 1492-PD3C111 | 3 | 150 | | 1/0...#16 AWG (50...0.75 mm ²) | 1 | | 1/0...#16 AWG (50...0.75 mm ²) | 1 | 1492-PBC1 |
| 1492-PD3C141 | 3 | 175 | | 2/0...#14 AWG (70...2.5 mm ²) | 1 | | #4...14 AWG (25...2.5 mm ²) | 4 | 1492-PBC1 |
| 1492-PD3C1123 | 3 | 255 | | 250 MCM...#6 AWG (120...16 mm ²) | 1 | | 250 MCM...#6 AWG (120...16 mm ²) | 1 | 1492-PBC2 |
| 1492-PD3C263 | 3 | 350 | | 2/0...#14 AWG (70...2.5 mm ²) | 2 | | #4...14 AWG (25...2.5 mm ²) | 6 | 1492-PBC2 |
| 1492-PD3C287 | 3 | 760 | | 500 MCM...#4 AWG (240...25 mm ²) | 2 | | #2...14 AWG (35...2.5 mm ²) | 8 | 1492-PBC3 |
| 1492-PD3C163 | 3 | 380 | | 500 MCM...#4 AWG (240...25 mm ²) | 1 | | #2...14 AWG (35...2.5 mm ²) | 6 | 1492-PBC2 |
| 1492-PD3C2127 | 3 | 760 | | 500 MCM...#4 AWG (240...25 mm ²) | 2 | | #2...14 AWG (35...2.5 mm ²) | 12 | 1492-PBC3 |

Enclosed Power Distribution Blocks with Aluminum or Copper Connectors

| Cat. No. | Amps (Cu Wire) 75° C | No. of Poles | Line | | | | | Load | | | | |
|---------------|-------------------------|--------------|---|-----------------------------------|-------------------|-----------------------------|--------------------------|--|-----------------------------------|-------------------|-----------------------------|-------------------------|
| | | | Connector Configuration | Wire Range | Openings per Pole | Conductor Opening Hole Size | Corresponding Hole Plug | Connector Configuration | Wire Range | Openings per Pole | Conductor Opening Hole Size | Corresponding Hole Plug |
| 1492-PDE1111 | 175 | 1 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 | 0.38 in. dia. | 1492-PDEC1 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 | 0.38 in. dia. | 1492-PDEC1 |
| 1492-PDE1C111 | | | | | | | | | | | | |
| 1492-PDE1141 | 175 | 1 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 | 0.38 in. dia. | 1492-PDEC1 |  | #2...14 AWG (35...2.5 mm²) | 4 | 0.50 in. dia. | 1492-PDEC2 |
| 1492-PDE1C141 | | | | | | | | | | | | |
| 1492-PDE1225 | 510 | 1 |  | 250 kcmil...#6 AWG (120...16 mm²) | 2 | 0.72 in. dia. | 1492-PDEC3 |  | 250 kcmil...#6 AWG (120...16 mm²) | 2 | 0.72 in. dia. | 1492-PDEC3 |
| 1492-PDE1C225 | | | | | | | | | | | | |
| 1492-PDE1183 | 335 | 1 |  | 400 kcmil...#6 AWG (185...16 mm²) | 1 | 0.94 in. dia. | 1492-PDEC4 |  | #2...14 AWG (35...2.5 mm²) | 8 | 0.50 in. dia. | 1492-PDEC2 |
| 1492-PDE1C183 | | | | 2/0...#14 AWG (70...2.5 mm²) | | 0.72 in. dia. | 1492-PDEC4 1492-PDEC3 | | | | | |

UL Listed Power Distribution Blocks with Aluminum or Copper Connectors

| Cat. No. | Amps (Cu Wire) 75° C | No. of Poles | Line | | | Load | | | Replacement Accessories | |
|---------------|-------------------------|--------------|---|-----------------------------------|-------------------|---|--|-------------------|-------------------------|----------------|
| | | | Connector Configuration | Wire Range | Openings per Pole | Connector Configuration | Wire Range | Openings per Pole | Covers | Marking Strips |
| 1492-PDL3111 | 175 | 3 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 | 1492-PDLC1 | 1492-PDLM1 |
| 1492-PDL3141 | 175 | 3 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 |  | #4...14 AWG (35...2.5 mm²) | 4 | | |
| 1492-PDL31S1 | 175 | 3 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 |  | 1/4...20 stud | — | | |
| 1492-PDL3161 | 175 | 3 |  | 2/0...#14 AWG (70...2.5 mm²) | 1 |  | #4...14 AWG (35...2.5 mm²) | 6 | | |
| 1492-PDL3163 | 335 | 3 |  | 400 kcmil...#6 AWG (185...16 mm²) | 1 |  | #2...14 AWG (35...2.5 mm²) | 6 | 1492-PDLC2 | 1492-PDLM2 |
| 1492-PDL3194 | 335 | 3 |  | 600 kcmil...#2 AWG (300...35 mm²) | 1 |  | #2...14 AWG (35...2.5 mm²) #2...14 AWG (35...2.5 mm²) 1/0...#14 AWG (55...2.5 mm²) | 3 3 3 | | |
| 1492-PDL31124 | 335 | 3 |  | 600 kcmil...#2 AWG (300...35 mm²) | 1 |  | #2...14 AWG (35...2.5 mm²) | 12 | | |

Bulletin 1492
Power Blocks
 Approximate Dimensions

Dimensions are in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

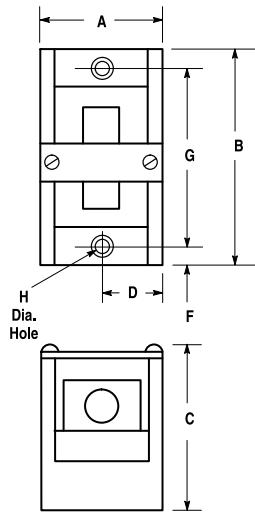


Figure 1

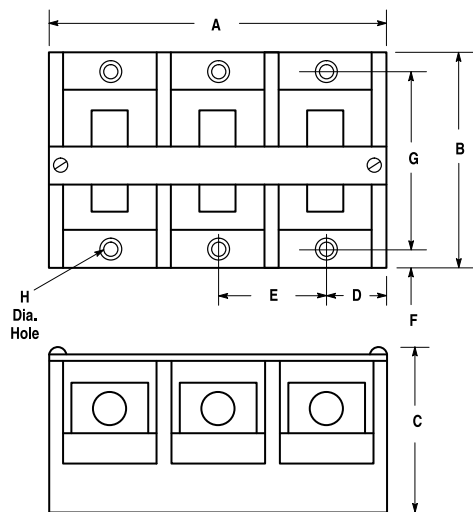


Figure 2

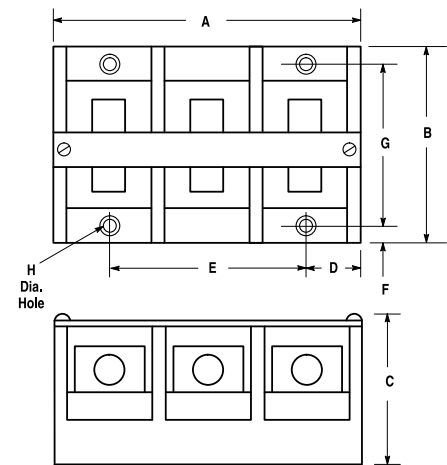
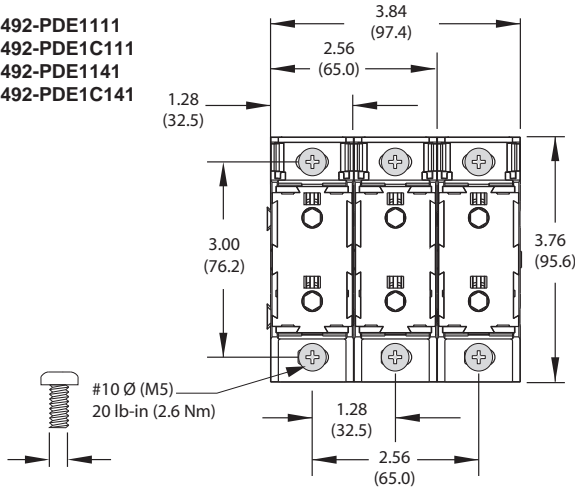


Figure 3

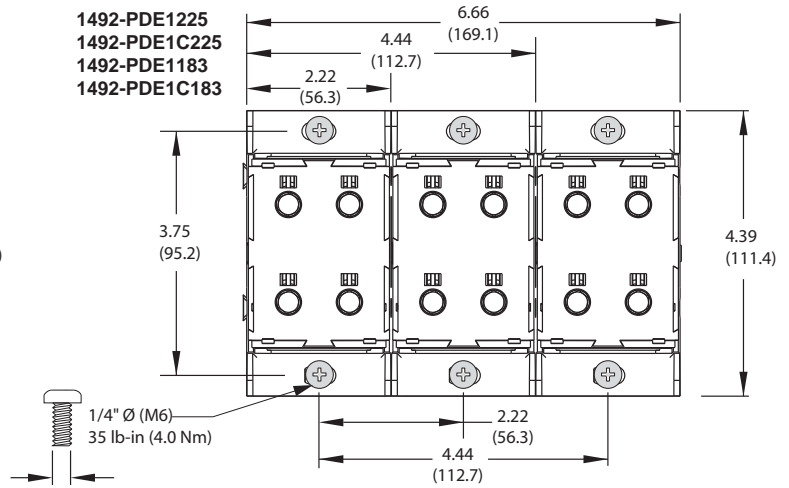
| Cat. No. | Figure | A | B | C | D | E | F | G | H |
|---------------|--------|---------------|---------------|--------------|--------------|--------------|-------------|---------------|--------------|
| 1492-PDM3111 | 3* | 2.03 (51.56) | 2.29 (58.17) | 1.62 (41.15) | 0.38 (9.68) | 1.27 (32.26) | 0.19 (4.83) | 1.93 (49.02) | 0.201 (5.11) |
| 1492-PDM3141 | 3* | 2.03 (51.56) | 2.29 (58.17) | 1.62 (41.15) | 0.38 (9.68) | 1.27 (32.26) | 0.19 (4.83) | 1.93 (49.02) | 0.201 (5.11) |
| 1492-50Y | 1 | 1.13 (28.7) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | — | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-100Y | 1 | 1.13 (28.7) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | — | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-50X | 3 | 2.75 (69.85) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | 1.62 (41.2) | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-100X | 3 | 2.75 (69.85) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | 1.62 (41.2) | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-50XF | 3 | 2.75 (69.85) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | 1.62 (41.2) | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-50YF | 1 | 1.13 (28.7) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | — | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-PD3C111 | 3 | 2.75 (69.85) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | 1.62 (41.2) | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-PD3C141 | 3 | 2.75 (69.85) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | 1.62 (41.2) | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-PD3141 | 3 | 2.75 (69.85) | 2.88 (73.15) | 1.88 (47.8) | 0.56 (14.22) | 1.62 (41.2) | 0.31 (7.87) | 2.25 (57.15) | 0.205 (5.21) |
| 1492-BE | 1 | 1.94 (49.28) | 4 (101.6) | 2.72 (69.1) | 0.97 (24.64) | — | 0.31 (7.87) | 3.38 (85.85) | 0.203 (5.16) |
| 1492-PD3C112 | 2 | 5 (127) | 4 (101.6) | 2.72 (69.1) | 0.97 (24.64) | 1.53 (38.86) | 0.31 (7.87) | 3.38 (85.85) | 0.203 (5.16) |
| 1492-PD3113 | 2 | 5 (127) | 4 (101.6) | 2.72 (69.1) | 0.97 (24.64) | 1.53 (38.86) | 0.31 (7.87) | 3.38 (85.85) | 0.203 (5.16) |
| 1492-PD3263 | 2 | 5 (127) | 4 (101.6) | 2.72 (69.1) | 0.97 (24.64) | 1.53 (38.86) | 0.31 (7.87) | 3.38 (85.85) | 0.203 (5.16) |
| 1492-PD3163 | 2 | 5 (127) | 4 (101.6) | 2.72 (69.1) | 0.97 (24.64) | 1.53 (38.86) | 0.31 (7.87) | 3.38 (85.85) | 0.203 (5.16) |
| 1492-PD3C163 | 2 | 5 (127) | 4 (101.6) | 2.72 (69.1) | 0.97 (24.64) | 1.53 (38.86) | 0.31 (7.87) | 3.38 (85.85) | 0.203 (5.16) |
| 1492-PD3C263 | 2 | 5 (127) | 4 (101.6) | 2.72 (69.1) | 0.97 (24.64) | 1.53 (38.86) | 0.31 (7.87) | 3.38 (85.85) | 0.203 (5.16) |
| 1492-BF | 1 | 2.28 (57.91) | 4.75 (120.65) | 2.92 (74.2) | 1.12 (28.45) | — | 0.31 (7.87) | 4.13 (104.9) | 0.203 (5.16) |
| 1492-PD3183 | 2 | 6.04 (153.42) | 4.75 (120.65) | 2.92 (74.2) | 1.12 (28.45) | 1.88 (47.75) | 0.31 (7.87) | 4.13 (104.9) | 0.203 (5.16) |
| 1492-BG | 1 | 3.17 (80.25) | 5.50 (139.7) | 3.23 (82.0) | 1.58 (40.13) | — | 0.38 (9.68) | 4.75 (120.65) | 0.265 (6.73) |
| 1492-PD31123 | 2 | 8.54 (216.92) | 5.50 (139.7) | 3.23 (82.0) | 1.58 (40.13) | 2.69 (68.58) | 0.38 (9.68) | 4.75 (120.65) | 0.265 (6.73) |
| 1492-PD3287 | 2 | 8.54 (216.92) | 5.50 (139.7) | 3.23 (82.0) | 1.58 (40.13) | 2.69 (68.58) | 0.38 (9.68) | 4.75 (120.65) | 0.265 (6.73) |
| 1492-PD32127 | 2 | 8.54 (216.92) | 5.50 (139.7) | 3.23 (82.0) | 1.58 (40.13) | 2.69 (68.58) | 0.38 (9.68) | 4.75 (120.65) | 0.265 (6.73) |
| 1492-PD3226 | 2 | 8.54 (216.92) | 5.50 (139.7) | 3.23 (82.0) | 1.58 (40.13) | 2.69 (68.58) | 0.38 (9.68) | 4.75 (120.65) | 0.265 (6.73) |
| 1492-PD3C2127 | 2 | 8.54 (216.92) | 5.50 (139.7) | 3.23 (82.0) | 1.58 (40.13) | 2.69 (68.58) | 0.38 (9.68) | 4.75 (120.65) | 0.265 (6.73) |
| 1492-PD3C287 | 2 | 8.54 (216.92) | 5.50 (139.7) | 3.23 (82.0) | 1.58 (40.13) | 2.69 (68.58) | 0.38 (9.68) | 4.75 (120.65) | 0.265 (6.73) |

* No marker strip.

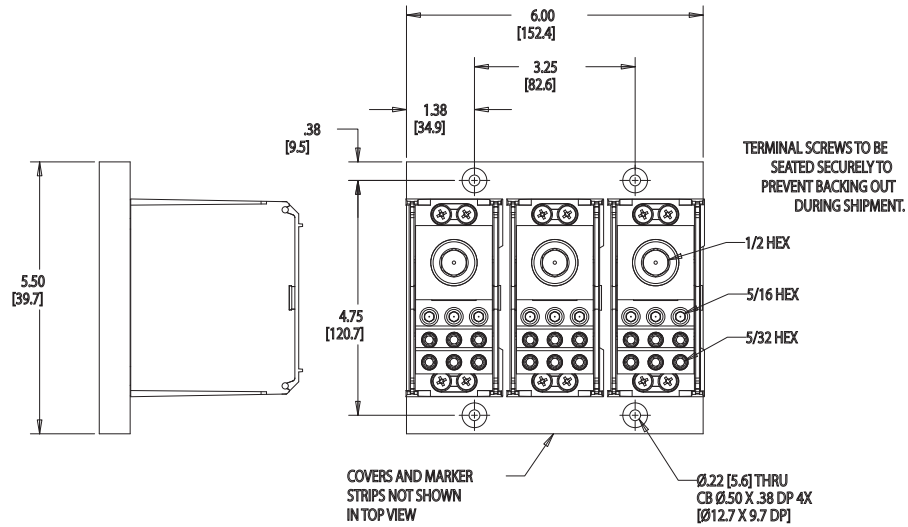
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 1492-PDE1141
 1492-PDE1C141



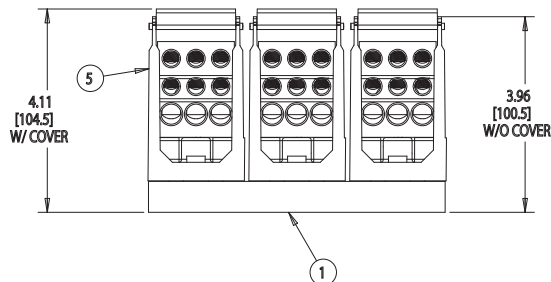
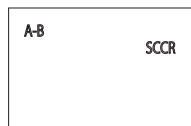
1492-PDE1225
 1492-PDE1C225
 1492-PDE1183
 1492-PDE1C183



Bulletin No. 1492-PDE



NAMEPLATE/SCCR LABEL
 LOCATED ON THIS SIDE
 OF POWER BLOCK



Bulletin No. 1492-PDL