



**SKU:** PDB-55-500-1

**UPC:** 0783669711554

**Features & Benefits:**

**Description:**Power Distribution Block, Dual Rated, Line Conductor Range 500-3/0, Load Range 500-3/0, 5 Ports Per Pole Line Side, 5 Ports Per Pole Load Side, 1 Pole, UL, CSA, Includes Cover

## Specs

### Additional Class Attributes

|                                    |            |
|------------------------------------|------------|
| Block Size                         | W          |
| Connection                         | Mechanical |
| Mounting Hole Type                 | Thru       |
| Number of Conductors               | 10         |
| Number of Poles                    | 1          |
| Number of Ports Per Pole Primary   | 5          |
| Number of Ports Per Pole Secondary | 5          |

### Dimensions

|                             |              |
|-----------------------------|--------------|
| Drive Size Main             | 3/8          |
| Drive Size Tap              | 3/8          |
| Drive Type Main             | Internal Hex |
| Drive Type Tap              | Internal Hex |
| Height (IN)                 | 4.942        |
| Height BX (IN)              | 4.75         |
| Height (mm)                 | 125.5268     |
| Length (IN)                 | 4            |
| Length (mm)                 | 101.6        |
| Mounting Hole Diameter (IN) | 0.281        |
| Mounting Hole Diameter (mm) | 7.1374       |
| Mounting Hole Spacing (IN)  | 3            |
| Mounting Hole Spacing (mm)  | 76.2         |
| Weight (LB)                 | 4.161        |
| Weight BX (LB)              | 4.5114       |
| Width (IN)                  | 6.335        |
| Width BX (IN)               | 5            |
| Width (mm)                  | 160.909      |

### Material and Finish

|                                |          |
|--------------------------------|----------|
| Conductor Material             | Copper   |
| Connector Finish               | Tin      |
| Enclosure Material             | Valox    |
| Insulation                     | NA       |
| Material                       | Aluminum |
| Wire Binding Hardware Finish   | Tin      |
| Wire Binding Hardware Material | Aluminum |



### **Bolt and Screw Sizes**

|                                        |     |
|----------------------------------------|-----|
| Mounting Bolt/Stud Size                | 1/4 |
| Number of Wire Binding Screws per Port | 1   |
| Wire Binding Screw Size                | 1/4 |
| Wire Binding Torque                    | 375 |

### **General**

|                             |                |
|-----------------------------|----------------|
| Bag Quantity                | 1              |
| Carton Quantity Description | STD PACK QTY 1 |
| Dual Rated                  | Yes            |
| NEMA Code                   | S-588-4        |
| UPC Code                    | 78366971155    |

### **Testing Standards**

|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| CSA File Number          | NA                                                                                                         |
| Prop65 Compliance        | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65warnings.ca.gov">www.P65warnings.ca.gov</a> |
| ROHS Indicator           | IND                                                                                                        |
| RUS Listed               | No                                                                                                         |
| UL Control Number        | NA                                                                                                         |
| UL / CULUS Specification | UL 1059 Recognized                                                                                         |
| UL File Number           | E84782                                                                                                     |

### **Color**

|       |       |
|-------|-------|
| Color | Black |
|-------|-------|

### **Conductor Ranges**

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Conductor Range AL Solid (Secondary, tap, load)        | NA                  |
| Conductor Range AL Stranded (Primary, run, main, line) | 500 kcmil - 3/0 Str |
| Conductor Range AL Stranded (Secondary, tap, load)     | 500 kcmil - 3/0 Str |
| Conductor Range CU Solid (Primary, run, main, line)    | NA                  |
| Conductor Range CU Solid (Secondary, tap, load)        | NA                  |
| Conductor Range CU Stranded (Primary, run, main, line) | 500 kcmil - 3/0 Str |
| Conductor Range CU Stranded (Secondary, tap, load)     | 500 kcmil - 3/0 Str |
| Conductor Range AL Solid (Primary, run, main, line)    | NA                  |

### **Additional Technical Specifications**

|                                                         |           |
|---------------------------------------------------------|-----------|
| Connector Amperage Rating CU (Derated where applicable) | 1900 Amps |
| Conductor Type                                          | Solid     |

### **Voltage**

|                |       |
|----------------|-------|
| Voltage Rating | 600 V |
|----------------|-------|

### **Environment and Temperature**



Flammability Rating  
Temperature Rating

NA  
90°C