

# Open Style PDBs 62000-69000

## Versatile Power Distribution Blocks for cable terminations

Mersen Power Distribution Blocks afford a safe, convenient way of splicing cables, splitting primary power into a variety of secondary circuits or providing a fixed junction tap-off point. Power block options include single or dual primary connections with up to 30 secondary connections.

### Features/Benefits:

- **Adder Poles**

All series have optional adder poles which snap onto the 1, 2 or 3- pole blocks and lock together to form as many poles as required. Adder poles with a variety of terminations can be combined to match special wire size combinations.

- **Wire Connectors**

Standard aluminum box connectors accommodate aluminum or copper wire, 1 conductor per opening. Standard copper box connections are for copper wire only, 1 conductor per opening. Connectors are all 1 piece and tin plated.

- **Insulators**

Insulators are virtually unbreakable, glass-filled polycarbonate on all series. "See-through" safety covers are available, which give greater safety and provide service entrance ratings for large and intermediate series blocks.

### Highlights:

- **Mini** - 62000 and 63000 Series
- **Intermediate** - 66000 and 67000 Series
- **Large** - 68000 and 69000 Series

### Applications:

- Box, stud and quick-connect terminations for copper and/or aluminum cables



### Ratings:

**Volts** : 600V

**Amps** : 90 to 2660A

**SCCR** : 100kA with proper fuse.

Contact technical services for sizing table.

### Approvals:

- Most sizes are UL Recognized Component -Guide XCFR2, File E73571
- Most sizes are CSA Certified:
  - Series 62, 63, 66, 68 - Class 6228, File 69363
  - Series 67, 69 - Class 3211, File 15469



# Mini 62000-63000 Series

## Catalog Numbers

Ampere rating based on NEC Table 310-16 for 75°C copper wire.

| Primary                           |                            | Secondary                         |                            | Ampere Rating (A) |     | Aluminum |        |        |        | Copper |        |        |        | Short Circuit Current Rating |
|-----------------------------------|----------------------------|-----------------------------------|----------------------------|-------------------|-----|----------|--------|--------|--------|--------|--------|--------|--------|------------------------------|
| Wire Range AWG/kcmil or Stud Size | Openings or Studs per Pole | Wire Range AWG/kcmil or Stud Size | Openings or Studs per Pole |                   |     | Adder    | 1-Pole | 2-Pole | 3-Pole | Adder  | 1-Pole | 2-Pole | 3-Pole |                              |
| Box to Box                        |                            |                                   |                            |                   |     |          |        |        |        |        |        |        |        |                              |
| #4-14                             | 1                          | #4-14                             | 1                          | 90                | 85  | 63100    | 63101  | 63102  | 63103  | 62100  | 62101  | 62102  | 62103  | 100kA•                       |
|                                   |                            |                                   | 4                          |                   |     | 63160    | 63161  | 63162  | 63163  | 62160  | 62161  | 62162  | 62163  | 100kA•                       |
| 2/0-#14                           | 1                          | 2/0-#14                           | 1                          | 185               | 175 | 63150    | 63151  | 63152  | 63153  | 62150  | 62151  | 62152  | 62153  | 100kA•                       |
|                                   |                            | #2-14                             | 2                          |                   |     | 63190    | 63191  | 63192  | 63193  | 62190  | 62191  | 62192  | 62193  | 100kA•                       |
|                                   |                            | #4-14                             | 4                          |                   |     | 63130    | 63131  | 63132  | 63133  | 62130  | 62131  | 62132  | 62133  | 100kA•                       |
| Box to Stud                       |                            |                                   |                            |                   |     |          |        |        |        |        |        |        |        |                              |
| 2/0-#14                           | 1                          | 1/4-20 x 5/8                      | 1                          | 185               | 175 | 63140    | 63141  | 63142  | 63143  | 62140  | 62141  | 62142  | 62143  | 100kA•                       |
|                                   |                            | 1/4-20 x 1/2                      | 1                          |                   |     |          |        |        |        | 62170  | 62171  | 62172  | 62173  | 100kA•                       |
|                                   |                            | Tapped hole                       |                            |                   |     |          |        |        |        |        |        |        |        |                              |
| Stud to Stud                      |                            |                                   |                            |                   |     |          |        |        |        |        |        |        |        |                              |
| 1/4-20 x 5/8                      | 1                          | 1/4-20 x 5/8                      | 1                          | 240               | 240 | -        | -      | -      | -      | 62200  | 62201  | 62202  | 62203  | 100kA•                       |
| Box to Quick Connect              |                            |                                   |                            |                   |     |          |        |        |        |        |        |        |        |                              |
| #4-14                             | 1                          | 1/4 x .032QC                      | 4                          | 90                | 95  | -        | -      | -      | -      | 62210† | 62211† | 62212† | 62213† | -                            |

\*Studs are furnished with nuts and washers. Recommended stud torque: (1/4-20) - 72 in. lbs.

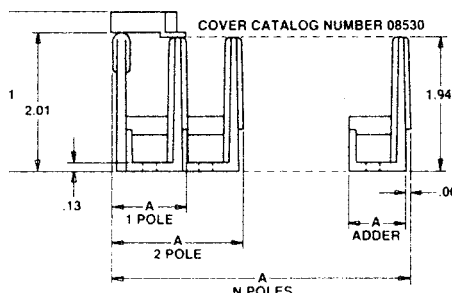
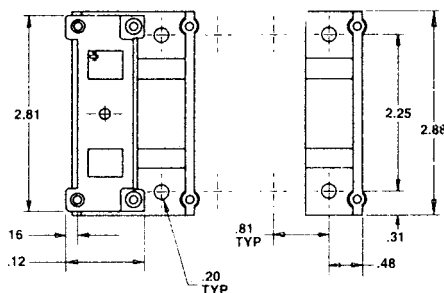
†Quick connector, not CSA Certified.

Note: Blocks for 5, 6 and 10 poles are also available. To order, simply modify the Adder catalog number. Example: 63100 becomes 63106 for 6 poles.

\*Short circuit current rating with correctly sized fuse 100kA. Contact Mersen technical services for fuse type and maximum ampere required.

#Connectors are rated for 90° C wire.

## Dimensions



| Number of Poles | Dimension A (In.)        |
|-----------------|--------------------------|
| Adder           | .812                     |
| 1               | 1.09                     |
| 2               | 1.90                     |
| 3               | 2.71                     |
| N               | $(.812 \times N) + .273$ |

Example for 10 poles:  
 $A = (.812 \times 10) + .273 = 8.39$

## Safety Cover - Catalog number 08530

Polycarbonate safety covers provide dead-front protection to 62000 and 63000 series power distribution blocks. One cover is needed for each pole (1-pole block requires 1 cover, 3-pole requires 3 covers, etc.) Each cover has a test probe hole in the center for circuit checking and each is marked with the reminder "REPLACE AFTER SERVICING EQUIPMENT". To order, simply determine the total number of poles to be protected and specify the same number of 08530 safety covers. Mounting screws are supplied with cover. Recommended mounting screws for all 62000-63000 series: #10 (.190" diameter).

## End Barrier - Catalog number U09311

Polycarbonate end barriers snap on to PDB Adder blocks to form 1-pole blocks. Use one barrier per block.

