

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.

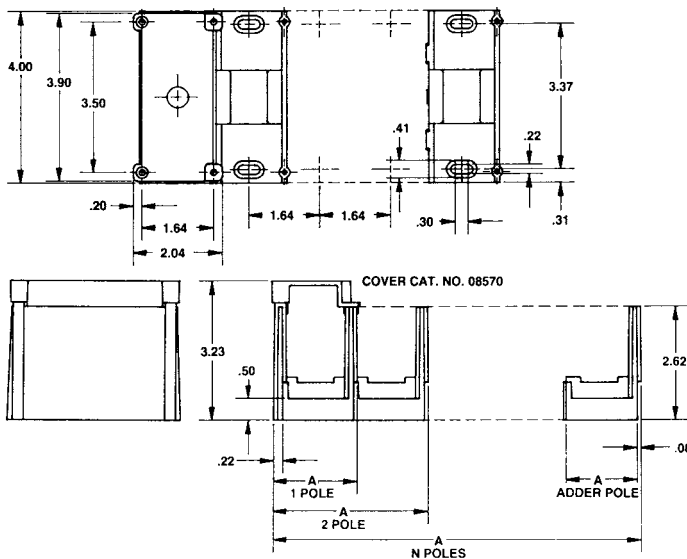
Approvals:

- 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



Intermediate 66000-67000 Series

Dimensions



Number of Poles	Dimension A (Inches)
Adder	1.64
1	1.94
2	3.57
3	5.20
N	$(1.635 \times N) + .3$

Example for 10 poles:
 $A = (1.635 \times 10) + .30 = 16.65$ inches

Safety Cover - Catalog No. 08570

Polycarbonate safety covers provide dead-front protection for 66000 and 67000 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." Mounting screws are supplied with cover. To order, simply determine the total number of poles to be protected and specify the same number of 08570 safety covers. Recommended mounting screws for all 66000-67000 series: #10 (.190 diameter).

End Barrier - Catalog No. U09705

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

Properties of Materials Used in Power Distribution Blocks

Property	Units	ASTM Test	Glass Filled Polycarbonate
Specific Gravity		D792	1.21
IZOD	ft-lb/in	D256	4-6
Flexural Strength	psi	D790	13,200
Flexural Modulus	psi	D790	325,000
Tensile Strength	psi	D638	9,000
Compressive Strength	psi	D695	12,500
Water Absorption	24 hrs-%	D570	.15
Hardness	Rockwell	D785	M-85
Dielectric Strength			
• 60Hz, 25°C, s/t	vpm	D149	425
• 60Hz, 25°C, s/s	vpm	D149	425
Dielectric constant			
• 60Hz-dry		D150	3.01
• 1Hz-dry		D150	2.96
Volume resistivity	ohm-cm	D257	$>10^{15}$
Heat deflecting (°F@264 psi)	°F	D648	270
Flammability (UL 94)			94 V-0

Note: Above data represents approximate values and are for reference only.