

62000-69000 SERIES POWER DISTRIBUTION BLOCKS



VERSATILE POWER DISTRIBUTION BLOCKS FOR CABLE TERMINATIONS

Ferraz Shawmut 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.

勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)

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.



Ratings

- Ampere ratings from 90 to 2660
- 600V rated
- Short Circuit current rating 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



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

INTERMEDIATE 66000-67000 SERIES/POWER DIST. BLOCKS

Sizes, Ratings, Catalog Numbers – Intermediate Series 66000 and 67000

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



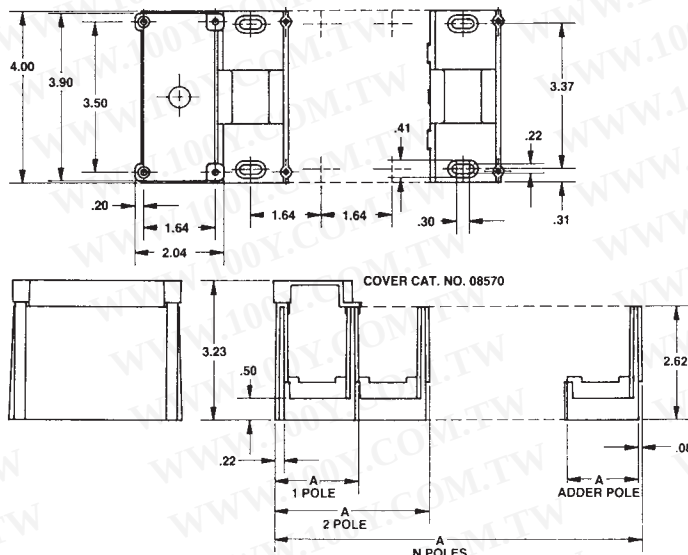
PRIMARY		SECONDARY		AMPERE RATING	CATALOG NUMBER								SHORT CIRCUIT CURRENT RATING
WIRE RANGE AWG/kcmil or STUD SIZE	OPENINGS or STUDS PER POLE	WIRE RANGE AWG/kcmil or STUD SIZE	OPENINGS or STUDS PER POLE		ALUMINUM (90° C Cu/Al wire)				COPPER (75° C Cu wire only)				
					ADDER	1 POLE	2 POLE	3 POLE	ADDER	1 POLE	2 POLE	3 POLE	
Box to Box													
2/0-#14	1	2/0-#14 #2-14 #2-14 #2-14 #6-14 #10-14*	1 4 6 8 10 12	175	67050 67570 67560 67580 67590 67110	67051 67571 67561 67581 67591 67111	67052 67572 67562 67582 67592 67112	67053 67573 67563 67583 67593 67113	66050 66570 66560 66580 66590 66110	66051 66571 66561 66581 66591 66111	66052 66572 66562 66582 66592 66112	66053 66573 66563 66583 66593 66113	• • • • • •
350-#6	1	350-#6 2/0-#14 #2-14 #2-14 #2-14 #6-14 #10-14*	1 2 4 6 8 10 15	310	67000 67010 67670 67660 67630 67650 67620	67001 67011 67671 67661 67631 67651 67621	67002 67012 67672 67662 67632 67652 67622	67003 67013 67673 67663 67633 67653 67623	66000 66010 66670 66660 66630 66650 66620	66001 66011 66671 66661 66631 66651 66621	66002 66012 66672 66662 66632 66652 66622	66003 66013 66673 66663 66633 66653 66623	• • • • • • •
500-#4	1	500-#4 4/0-#6 4/0-#10 2/0-#14 #2-14 #2-14 #6-14 #10-14* 350-#6 & #2-14	1 2 2 4 6 8 10 18 1 3	380	67400 67420 - 67410 67460 67430 67480 67490 67450	67401 67421 - 67411 67461 67431 67481 67491 67451	67402 67422 - 67412 67462 67432 67482 67492 67452	67403 67423 - 67413 67463 67433 67483 67493 67453	66400 - 66420 66410 66460 66430 66480 66490 66450	66401 - 66421 66411 66461 66431 66481 66491 66451	66402 - 66422 66412 66462 66432 66482 66492 66452	66403 - 66423 66413 66463 66433 66483 66493 66453	• • • • • • • •
2/0-#14	2	2/0-#14 #2-14 #2-14 #6-14 #10-14*	2 6 8 10 15	350	67020 67510 67610 67530 67550	67021 67511 67611 67531 67551	67022 67512 67612 67532 67552	67023 67513 67613 67533 67553	66020 66510 66610 66530 66550	66021 66511 66611 66531 66551	66022 66512 66612 66532 66552	66023 66513 66613 66533 66553	• • • • •
4/0-#10	2	4/0-#10	2	460	-	-	-	-	66520	66521	66522	66523	•
4/0-#6	2	4/0-#6 #2-14	2 6	460 460	67520 67540	67521 67541	67522 67542	67523 67543	- 66540	- 66541	- 66542	- 66543	•
Box to Stud													
350-#6	1	3/8-16 x 1	1	310	67250	67251	67252	67253	66250	66251	66252	66253	
500-#4	1	3/8-16 x 1-1/16 1/4-20 x 1-1/16	1 2	380 380	67220 67240	67221 67241	67222 67242	67223 67243	66220 66240	66221 66241	66222 66242	66223 66243	
Stud to Stud													
1/4-20 x 1-5/16	1	1/4-20 x 1-5/16	1	155	-	-	-	-	66270	66271	66272	66273	
3/8-16 x 1-5/16	1	1/4-20 x 1-5/16 3/8-16 x 1-5/16	1 1	155 155	- -	- -	- -	- -	66210 66200	66211 66201	66212 66202	66213 66203	
3/8-16 x 1-1/8	1	3/8-16 x 1-1/8 1/4-20 x 1-1/8	1 2	400 400	- -	- -	- -	- -	66260 66230	66261 66231	66262 66232	66263 66233	

*Copper wire only

Stud type connectors are furnished with nuts and washers. Recommended stud torque: (1/4-20) - 72 in.-lbs; (3/8-16) - 228 in.-lbs.

• Short circuit current rating with correctly sized fuse 100kA except adder block. Contact Ferraz technical services for fuse type and maximum ampere required.

INTERMEDIATE 66000-67000 SERIES/POWER DIST. BLOCKS



Dimensions – 66000 and 67000 Series Power Distribution Blocks

NUMBER OF POLES	DIMENSION A (Inches)
ADDER	1.64
1	1.94
2	3.57
3	5.20
N	$(1.635 \times N) + .30$

Example for 10 poles:

$$A = (1.635 \times 10) + .30 = 16.65 \text{ inches}$$

SAFETY COVER - CATALOG NUMBER 08570

Polycarbonate safety cover provides 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 prod 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 number 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		D149	
60 hertz, 25°C, s/t	vpm		425
60 hertz, 25°C, s/s	vpm		425
Dielectric constant		D150	
60Hz-dry			3.01
1 Mhz-dry			2.96
Volume resistivity	ohm-cm	D257	$>10^{16}$
Heat deflecting	°F	D648	270
(°F@264 psi)			
Flammability (UL 94)			94 V-0

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

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