

MPDB Series

Open-Style Power Distribution Blocks

POWER DISTRIBUTION BLOCKS

THE NEXT GENERATION
POWER DISTRIBUTION BLOCK (PDB)



Mersen power distribution blocks provide a safe and easy method of splicing cables, splitting primary power into secondary circuits and fulfilling requirements for fixed junction tap-off points. Unless noted otherwise, all blocks are UL and CSA approved while meeting spacing requirements for feeder and branch circuits in conjunction with UL508A and the National Electrical Code®. PDB options include single or dual conductor primary inputs and up to 30 secondary outputs. Specialty blocks are available allowing for up to 7 primary inputs. The MPDB series is offered in three size categories: miniature (MPDB62 and MPDB63 series), intermediate (MPDB66 and MPDB67 series), and large (MPDB68 and MPDB69 series), in both aluminum and copper.

FEATURES/BENEFITS:

- **Adder Poles:** All sizes have optional adder poles for increased flexibility and ease-of-use. Adder poles can be stacked to form multi-pole units in the field without the use of tools. Adder poles allow for customization of primary and secondary wire combinations. End barriers are also available for sale, catalog numbers can be found in the catalog number selection tables for each size block.
- **Wire Connectors:** Standard aluminum and copper wire connectors are available. Aluminum connectors accept both AL or CU wire while copper connectors accept CU wire only. Connectors are all 1-piece tin-plated. Many part numbers are rated to accept DLO-type fine-strand wire, allowing users to connect flexible conductors. (Continued on next page.)

RATINGS:

Volts: 1000VAC/DC

Amps: 65 to 2260A based on NEC table 310.15(B)(16) 75°C ampacities

SCCR: 100kA with properly sized fuse (See Mersen's PDB SCCR guide at ep.mersen.com or contact Mersen Technical Services)

APPROVALS:

- UL Listed to subject 1953, File E352417 unless noted otherwise
- CSA Certified Class 6228 01



FEATURES/BENEFITS (CONTINUED):

- **Insulators:** Insulators are virtually unbreakable, made of glass-filled polycarbonate. “See-through,” hinged safety covers are optional and provide a greater degree of safety and shock resistance where required. Hinged covers can be installed without tools.
- **Spacings:** 1 inch through air and 2 inches over surface between uninsulated live parts of opposite polarity meets requirements for feeder and branch circuit applications of UL508A.
- **Safety Covers:** Polycarbonate safety covers provide dead-front protection. One cover is needed for each pole. Each cover has a test probe hole in the center for circuit checking. Covers are optional accessories and catalog numbers can be found in the catalog selection tables for each size block.

ADDITIONAL SPECIFICATIONS:

- Wire Type:** Copper Blocks: 60/75°C Solid/Stranded CU; Aluminum Blocks: 60/75/90°C Solid/Stranded AL and CU
- Connector:** Copper Blocks: Highly conductive tin-plated copper; Aluminum Blocks: Highly conductive tin-plated aluminum
- Insulating Material:** Glass-filled polycarbonate with verified dielectric strength in excess of 2500V
- Flammability:** UL94-V0
- Mounting:** Direct panel mount
- Environmental:** RoHS compliant, Lead Free

PART SELECTION NOTES

MPDBs in each size category come in one, two, and three pole configurations (ending in -1, -2, and -3 accordingly). Users also have the ability to field install additional poles, end barriers, and safety covers.

Safety Cover
Optional, snap-on, hinged safety cover

MPDBC6263	Miniature Series
MPDBC6667	Intermediate Series
MPDBC6869	Large Series

End Barrier
Snap-on to Adder pole to complete assembly

MPDBE6263	Miniature Series
MPDBE6667	Intermediate Series
MPDBE6869	Large Series

Adder Pole
Snap-on Adder poles to fully assembled units to add additional poles in the field. Adder pole catalog numbers in all.

Adder Pole
Field assemble Adder poles to form multi-pole units.

CATALOG NUMBERS, INTERMEDIATE COPPER MPDBs,
BOX-BOX CONFIGURATION

Line Side		Load Side		Catalog Numbers				Ampere Rating per Pole	
Wire Range	Openings per Pole	Wire Range	Openings per Pole	ADDER	1-P	2-P	3-P	Cu Wire	
2/0-14	1	2/0-14	1	MPDB66050	MPDB66051	MPDB66052	MPDB66053	175	
2/0-14	1	2-14	4	MPDB66570	MPDB66571	MPDB66572	MPDB66573	175	
2/0-14	1	2-14	6	MPDB66560	MPDB66561	MPDB66562	MPDB66563	175	
2/0-14	1	2-14	8	MPDB66580	MPDB66581	MPDB66582	MPDB66583	175	
2/0-14	1	6-14	10	MPDB66590	MPDB66591	MPDB66592	MPDB66593	175	
2/0-14	1	10-14	12	MPDB66110	MPDB66111	MPDB66112	MPDB66113	175	
350-6	1	350-6	1	MPDB66000	MPDB66001	MPDB66002	MPDB66003	310	
350-6	1	2/0-14	2	MPDB66010	MPDB66011	MPDB66012	MPDB66013	310	
350-6	1	2-14	4	MPDB66670	MPDB66671	MPDB66672	MPDB66673	310	
350-6	1	2-14	6	MPDB66660	MPDB66661	MPDB66662	MPDB66663	310	
350-6	1	2-14	8	MPDB66630	MPDB66631	MPDB66632	MPDB66633	310	
350-6	1	6-14	10	MPDB66650	MPDB66651	MPDB66652	MPDB66653	310	
350-6	1	10-14	15	MPDB66620	MPDB66621	MPDB66622	MPDB66623	310	
500-4	1	500-4	1	MPDB66400	MPDB66401	MPDB66402	MPDB66403	380	
500-4	1	350-6 & 2-14	1 & 3	MPDB66450	MPDB66451	MPDB66452	MPDB66453	380	
500-4	1	2/0-14	4	MPDB66410	MPDB66411	MPDB66412	MPDB66413	380	
500-4	1	2-14	6	MPDB66460	MPDB66461	MPDB66462	MPDB66463	380	
500-4	1	10-14	18	MPDB66490	MPDB66491	MPDB66492	MPDB66493	380	
2/0-14	2	2/0-14	2	MPDB66020	MPDB66021	MPDB66022	MPDB66023	350	
2/0-14	2	2-14	6	MPDB66510	MPDB66511	MPDB66512	MPDB66513	350	
2/0-14	2	2-14	8	MPDB66610	MPDB66611	MPDB66612	MPDB66613	350	
2/0-14	2	6-14	10	MPDB66530	MPDB66531	MPDB66532	MPDB66533	350	
2/0-14	2	10-14	15	MPDB66550	MPDB66551	MPDB66552	MPDB66553	350	
4/0-6	2	4/0-10	2	MPDB66520	MPDB66521	MPDB66522	MPDB66523	460	
4/0-6	2	2-14	6	MPDB66540	MPDB66541	MPDB66542	MPDB66543	460	

(DLO) Indicates Ampere Rating or Wire Range applicable to DLO class wire

CATALOG NUMBERS, INTERMEDIATE COPPER MPDBs,
STUD-STUD CONFIGURATION

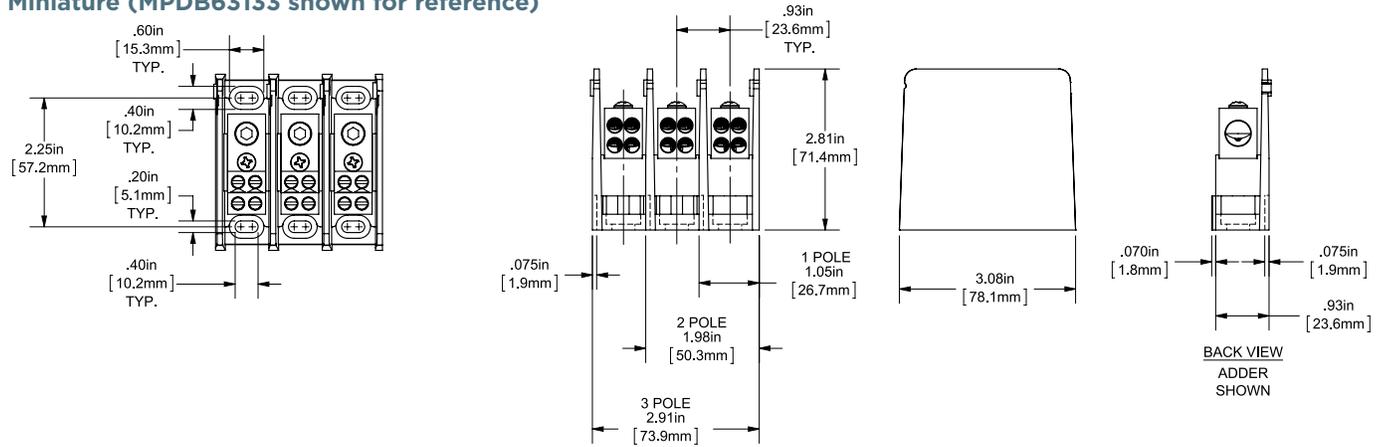
Line Side		Load Side		Catalog Numbers				Ampere Rating per Pole	
Stud Range	Studs per Pole	Stud Size	Studs per Pole	ADDER	1-P	2-P	3-P	Ratings (Cu)	Ratings (Al)
1/4"-20 X 1-5/16"	1	1/4"-20 X 1-5/16"	1	MPDB66270	MPDB66271	MPDB66272	MPDB66273	155	155
1/4"-20 X 1-5/16"	1	3/8"-16 X 1-1/8"	1	MPDB66200	MPDB66201	MPDB66202	MPDB66203	155	155
3/8"-16 X 1-1/8"	1	1/4"-20 X 1-5/16"	2	MPDB66230	MPDB66231	MPDB66232	MPDB66233	400	400
3/8"-16 X 1-1/8"	1	3/8"-16 X 1-1/8"	1	MPDB66260	MPDB66261	MPDB66262	MPDB66263	400	400

Hinged Safety Cover for MPDB66 and MPDB67 series: Catalog number MPDBC6667

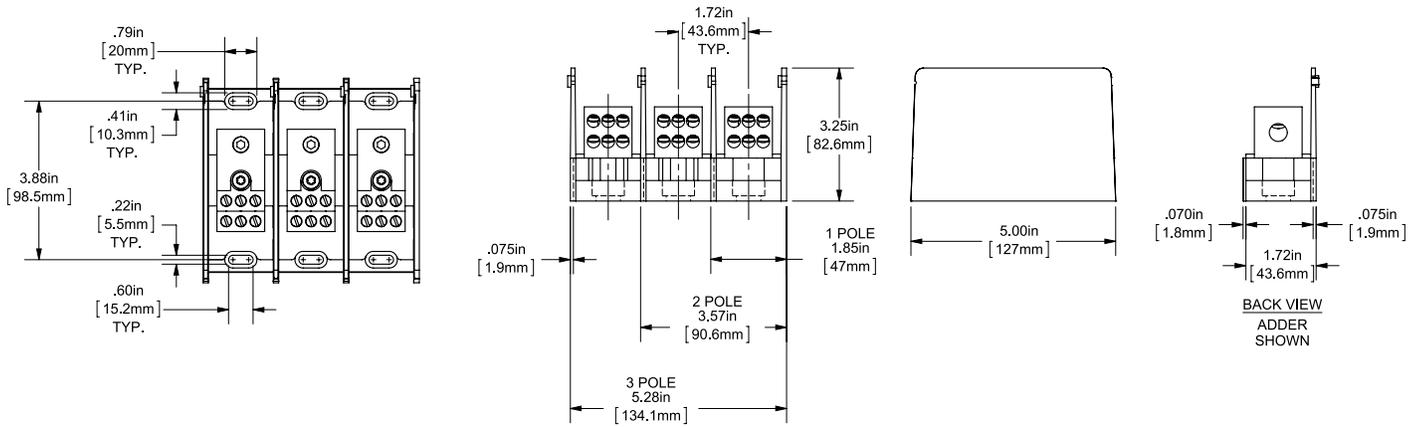
End Barrier for MPDB66 and MPDB67 series: Catalog Number MPDBE6667

DIMENSIONS

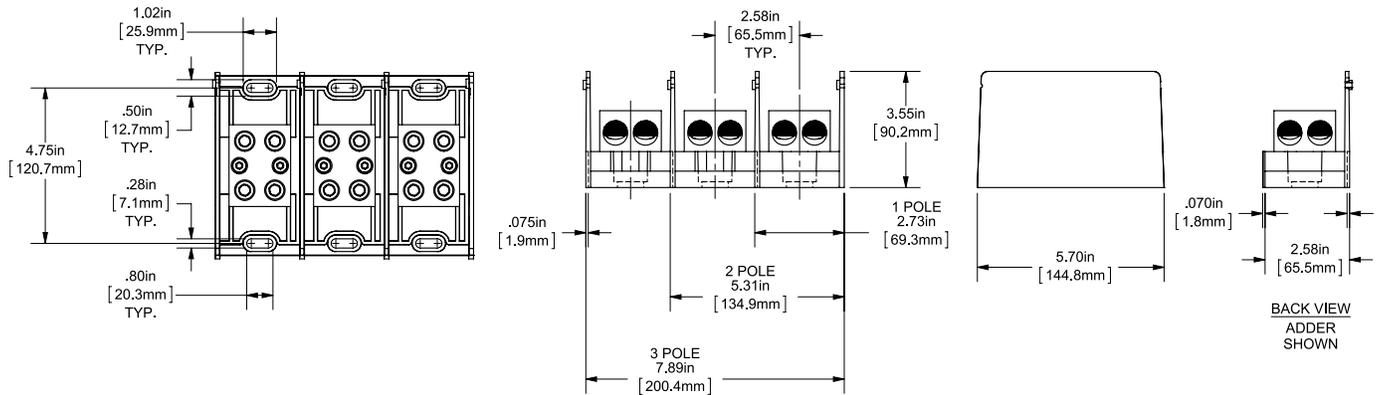
Miniature (MPDB63133 shown for reference)



Intermediate (MPDB67563 shown for reference)

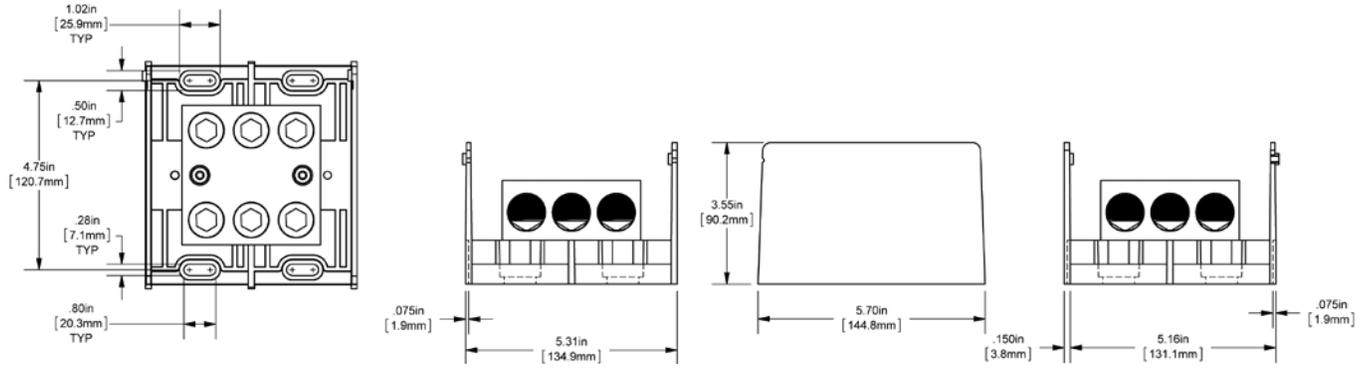


Large (MPDB69123 shown for reference)



DIMENSIONS (CONTINUED)

Double-Wide (MPDB69331 shown for reference)



Triple-Wide (MPDB800061 shown for reference)

