



Description

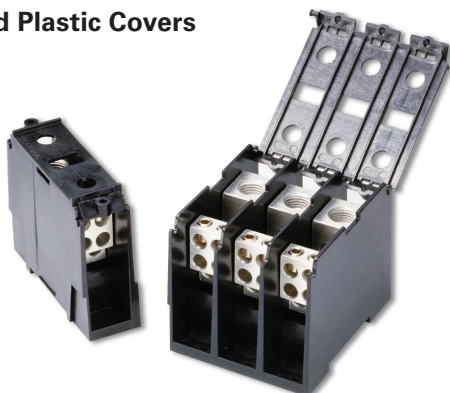
POWR-BLOKS power distribution blocks offer a safe, convenient way of splicing cables, providing a fixed junction tap-off point or splitting primary power into secondary circuits. Lx2xxx-DIN series offers integral DIN-Rail mount and an optional hinged safety cover.

Optional power distribution block covers provide protection against accidental shorting between poles caused by loose wires, tools, or other conductive material. They also protect personnel from accidentally contacting energized connectors.

Applications

Typical applications include heating, air conditioning and refrigeration systems, elevator systems, material handling equipment, control panels, motor controls, switchgear, and anywhere power needs to be distributed to more than one load.

Hinged Plastic Covers



Connectors

Box lug connectors are designed for use with a single or multiple, solid or class B or C stranded conductor. For UL approved use of more than one conductor per connector opening, contact Littelfuse Technical Service. Manufacturers of cable terminations can furnish crimp-on sleeves for fine stranded conductors which permit these conductors to be used with box lugs.

Ampere Ratings

The ampere rating per pole for power distribution blocks is based on the line ampacity of 75°C insulated conductors per NEC® Table 310.16. If 60°C insulated conductors are used, load must not exceed the ampacity of 60°C conductors. Use of conductors rated in excess of 75°C is permitted (for example 90°C), however, load must not exceed the ampacity of 75°C conductors.

Specifications

Voltage Rating	600 V
Current Rating	Based on NEC Table 310.16, using 75 °C copper wire
SCCR	Consult Factory
Material	Phenolic rated at 150 °C and Thermoplastic rated at 125 °C (LD1400 and LS1300 series only)
Connector	Aluminum: Highly conductive aluminum, tin plated Copper: Highly conductive copper, tin plated
Flammability Rating	UL94 V-0
Approvals	UL Recognized - OLD/OLS Series (File: E171395) LFD/LFS Series (File: E309688) CSA Certified - OLD/OLS Series (File: LR700111) LFD/LFS Series (File: 007316_0_000) UL Listed - OLD57xxx (File: E482231)
Environmental	RoHS compliant, Lead (Pb) free

Ordering Information

See Selection Guide on next page

Web Resources

For dimension, CAD and 3-D drawings, visit:
Littelfuse.com/powrbloks

Clear Plastic Covers



POWR-GARD® Blocks and Holders Datasheet

POWR-BLOCKS

Distribution Block Selection Guide

AMP PER POLE	POLES	CONNECTOR MATERIAL	LINE CONNECTION					LOAD CONNECTION					FIGURE	CATALOG/ ORDERING NUMBER	*PLASTIC COVER ORDERING NUMBER
			CONNECTOR IMAGE	OPENINGS PER POLE	LUG TYPE	WIRE RANGE	TORQUE RANGE	CONNECTOR IMAGE	OPENINGS PER POLE	LUG TYPE	WIRE RANGE	TORQUE RANGE			
115	1	AL		1	Slotted	#2 - #14	35-50 in-lbs		4	Slotted	#10 - #18	7 in-lbs	10	OLD14401Z	LPBC1441
115	2			1	Slotted	#2 - #14	35-50 in-lbs		4	Slotted	#10 - #18	7 in-lbs	10	OLD14402Z	LPBC1442
115	3			1	5/32" Hex	#2 - #14	50-40 in-lbs		4	5/64" Hex	#10 - #18	7 in-lbs	2	LFD14003Z	LPBC13
115	4			1	Slotted	#2 - #14	35-50 in-lbs		4	Slotted	#10 - #18	7 in-lbs	10	OLD14404Z	LPBC1444
175	1	AL		1	5/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	3	OLD25701Z**	LPBC21
175	2			1	3/16" Hex	2/0 - #14	40-120 in-lbs		4	1/8" Hex	#4 - #14	35 in-lbs	3	LFD25702Z	LPBC22
175	3			1	3/16" Hex	2/0 - #14	40-120 in-lbs		4	1/8" Hex	#4 - #14	35 in-lbs	3	LFD25703Z**	LPBC23
175	1	AL		1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	1/8" Hex	#4 - #14	35 in-lbs	4	OLD25701ZXDIN	OLCH1321Z
175	2			1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	1/8" Hex	#4 - #14	35 in-lbs	4	OLD25702ZXDIN	OLCH1322Z
175	3			1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	1/8" Hex	#4 - #14	35 in-lbs	4	OLD25703ZXDIN	OLCH1323Z
175	Adder			1	—	2/0 - #14	35-120 in-lbs		4	—	#4 - #14	35 in-lbs	4	OLD2570AZXDIN	-
175	1	CU		1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	3	OLD29701Z**	LPBC21
175	2			1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	3	OLD29702Z**	LPBC22
175	3			1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	3	OLD29703Z**	LPBC23
175	1	CU		1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	4	OLD29701ZXDIN	OLCH1321Z
175	2			1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	4	OLD29702ZXDIN	OLCH1322Z
175	3			1	3/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	4	OLD29703ZXDIN	OLCH1323Z
175	Adder			1	—	2/0 - #14	35-120 in-lbs		4	—	#4 - #14	35 in-lbs	4	OLD2970AZXDIN	-
175	2	AL		1	5/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	1	OLD04022Z**	LPBC02
175	3			1	5/16" Hex	2/0 - #14	35-120 in-lbs		4	Slotted	#4 - #14	35 in-lbs	1	OLD04023Z**	LPBC03
175	2	AL		1	5/16" Hex	2/0 - #14	35-120 in-lbs		6	Slotted	#4 - #14	35 in-lbs	1	OLD04012Z**	LPBC02
175	3			1	3/16" Hex	2/0 - #14	40-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	1	LFD04013Z**	LPBC03
175	1	AL		1	5/16" Hex	2/0 - #14	35-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	4	OLD25801ZXDIN	OLCH1321Z
175	2			1	5/16" Hex	2/0 - #14	35-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	4	OLD25802ZXDIN	OLCH1322Z
175	3			1	5/16" Hex	2/0 - #14	35-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	4	OLD25803ZXDIN	OLCH1323Z
175	Adder			1	5/16" Hex	2/0 - #14	35-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	4	OLD2580AZXDIN	-
310	3	AL		1	5/16" Hex	350kcmil - #6	40-120 in-lbs		2	3/16" Hex	2/0 - #14	35-120 in-lbs	9	OLD335543Z	OLCH1333Z
310	2	AL		1	5/16" Hex	350kcmil - #6	275 in-lbs		6	Slotted	#4 - #14	35 in-lbs	1	OLD04042Z**	LPBC02
310	3			1	5/16" Hex	350kcmil - #6	275 in-lbs		6	Slotted	#4 - #14	35 in-lbs	1	OLD04043Z**	LPBC03
335	1	AL		1	5/16" Hex	400kcmil - #6	275 in-lbs		4	Slotted	#2 - #14	35-50 in-lbs	5	OLD35521Z**	LPBC31
335	2			1	5/16" Hex	400kcmil - #6	275 in-lbs		4	Slotted	#2 - #14	35-50 in-lbs	5	OLD35522Z**	LPBC32
380	3			1	3/8" Hex	500kcmil - #6	375 in-lbs		4	5/32" Hex	#2 - #14	35-50 in-lbs	5	LFD35523Z	LPBC33
335	1	AL		1	5/16" Hex	400kcmil - #6	275 in-lbs		6	Slotted	#2 - #14	35-50 in-lbs	5	OLD35531Z**	LPBC31
335	2			1	5/16" Hex	400kcmil - #6	275 in-lbs		6	Slotted	#2 - #14	35-50 in-lbs	5	OLD35532Z**	LPBC32
380	3			1	3/8" Hex	500kcmil - #6	375 in-lbs		6	5/32" Hex	#2 - #14	40-50 in-lbs	5	LFD35533Z	LPBC33
335	1	AL		1	Slotted	400kcmil - #6	275 in-lbs		8	Slotted	#2 - #14	35-50 in-lbs	6	OLD45601Z**	LPBC41
335	2			1	Slotted	400kcmil - #6	275 in-lbs		8	Slotted	#2 - #14	35-50 in-lbs	6	OLD45602Z**	LPBC42
335	3			1	Slotted	400kcmil - #6	275 in-lbs		8	Slotted	#2 - #14	35-50 in-lbs	6	OLD45603Z**	LPBC43
350	1	AL		2	3/16" Hex	2/0 - #14	35-120 in-lbs		6	Slotted	#4 - #14	35 in-lbs	5	OLD35551Z**	LPBC31
350	2			2	3w/16" Hex	2/0 - #14	35-120 in-lbs		6	Slotted	#4 - #14	35 in-lbs	5	OLD35552Z**	LPBC32
350	3			2	3/16" Hex	2/0 - #14	40-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	5	LFD35553Z	LPBC33
350	1	CU		2	Slotted	2/0 - #14	35-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	5	OLD39551Z**	LPBC31
350	2			2	Slotted	2/0 - #14	35-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	5	OLD39552Z**	LPBC32
350	3			2	Slotted	2/0 - #14	35-120 in-lbs		6	1/8" Hex	#4 - #14	35 in-lbs	5	OLD39553Z**	LPBC33
380	1	AL		1	Slotted	500kcmil - #6	375 in-lbs		6	5/32" Hex	#2 - #14	35-50 in-lbs	5	OLD39531Z**	LPBC31
380	2			1	Slotted	500kcmil - #6	375 in-lbs		6	5/32" Hex	#2 - #14	35-50 in-lbs	5	OLD39532Z**	LPBC32
380	3			1	Slotted	500kcmil - #6	375 in-lbs		6	5/32" Hex	#2 - #14	35-50 in-lbs	5	OLD39533Z**	LPBC33
380	1			1	Slotted	500kcmil - #4	375 in-lbs		6	Slotted	#2 - #14	35-50 in-lbs	6	OLD45511Z**	LPBC41
380	2			1	Slotted	500kcmil - #4	375 in-lbs		6	Slotted	#2 - #14	35-50 in-lbs	6	OLD45512Z**	LPBC42
380	3			1	Slotted	500kcmil - #4	375 in-lbs		6	Slotted	#2 - #14	35-50 in-lbs	6	OLD45513Z**	LPBC43

Note: AL = Aluminum / CU = Copper *Covers sold separately

**Multiple wire rated on load side. Contact factory for additional information.

POWR-GARD® Blocks and Holders Datasheet

POWR-BLOKS

Distribution Block Selection Guide

AMP PER POLE	POLES	CONNECTOR MATERIAL	CONNECTOR IMAGE	LINE CONNECTION			LOAD CONNECTION				FIGURE	CATALOG/ ORDERING NUMBER	*PLASTIC COVER ORDERING NUMBER		
				OPENINGS PER POLE	LUG TYPE	WIRE RANGE	TORQUE RANGE	CONNECTOR IMAGE	OPENINGS PER POLE	LUG TYPE				WIRE RANGE	TORQUE RANGE
380	1	AL		1	3/8" Hex	500kcmil - #4	375 in-lbs		6	5/16" Hex	2/0 - #14	35-120 in-lbs	7	OLD55791Z	LPBC51
380	2			1	3/8" Hex	500kcmil - #4	375 in-lbs		6	5/16" Hex	2/0 - #14	35-120 in-lbs	7	OLD55792Z	LPBC52
380	3			1	3/8" Hex	500kcmil - #4	375 in-lbs		6	5/16" Hex	2/0 - #14	35-120 in-lbs	7	LFD55793Z	LPBC53
380	1	AL		1	3/8" Hex	500kcmil- #4	375 in-lbs		8	5/32" Hex	#2 - #14	35-50 in-lbs	7	OLD55941Z	LPBC51
380	2			1	3/8" Hex	500kcmil- #4	375 in-lbs		8	5/32" Hex	#2 - #14	35-50 in-lbs	7	OLD55942Z	LPBC52
380	3			1	3/8" Hex	500kcmil- #4	375 in-lbs		8	5/32" Hex	#2 - #14	35-50 in-lbs	7	OLD55943Z	LPBC53
380	1	AL		1	Slotted	500kcmil - #4	375 in-lbs		12	Slotted	#2 - #14	35-50 in-lbs	7	OLD55521Z**	LPBC51
380	2			1	Slotted	500kcmil - #4	375 in-lbs		12	Slotted	#2 - #14	35-50 in-lbs	7	OLD55522Z**	LPBC52
380	3			1	3/8" Hex	500kcmil - #4	375 in-lbs		12	5/32" Hex	#2 - #14	40-50 in-lbs	7	LFD55523Z	LPBC53
420	1	AL		1	1/2" Hex	600kcmil- #2	375 in-lbs		3	3/16" Hex	1/0 - #14	35-120 in-lbs	9	OLD35881Z	OLCH1331Z
									6	5/32" Hex	#2 - #14	35-50 in-lbs			
420	3	AL		1	1/2" Hex	600kcmil- #2	375 in-lbs		3	3/16" Hex	1/0 - #14	35-120 in-lbs	9	OLD35883Z	OLCH1333Z
									6	5/32" Hex	#2 - #14	35-50 in-lbs			
420	1	AL		1	1/2" Hex	600kcmil- #2	375 in-lbs		12	1/8" Hex	#4 - #14	35 in-lbs	9	OLD35951Z	OLCH1331Z
420	2			1	1/2" Hex	600kcmil- #2	375 in-lbs		12	1/8" Hex	#4 - #14	35 in-lbs	9	OLD35952Z	OLCH1332Z
510	1	AL		2	5/16" Hex	250kcmil - #6	275 in-lbs		12	1/8" Hex	#4 - #14	35 in-lbs	9	OLD35961Z**	OLCH1331Z
510	2			2	5/16" Hex	250kcmil - #6	275 in-lbs		12	1/8" Hex	#4 - #14	35 in-lbs	9	OLD35962Z**	OLCH1332Z
510	3			2	5/16" Hex	250kcmil - #6	275 in-lbs		12	1/8" Hex	#4 - #14	35 in-lbs	9	OLD35963Z**	OLCH1333Z
760	1	AL		2	3/8" Hex	500kcmil - #6	375 in-lbs		8	5/16" Hex	2/0 - #14	35-120 in-lbs	7	OLD55861Z	LPBC51
760	2			2	3/8" Hex	500kcmil - #6	375 in-lbs		8	5/16" Hex	2/0 - #14	35-120 in-lbs	7	OLD55862Z	LPBC52
760	3			2	3/8" Hex	500kcmil - #4	375 in-lbs		8	3/16" Hex	2/0 - #14	40-120 in-lbs	7	LFD55863Z	LPBC53
760	1	CU		2	3/8" Hex	500kcmil- #4	375 in-lbs		8	3/16" Hex	2/0 - #14	35-120 in-lbs	7	OLD59861Z	LPBC51
760	2			2	3/8" Hex	500kcmil- #4	375 in-lbs		8	3/16" Hex	2/0 - #14	35-120 in-lbs	7	OLD59862Z	LPBC52
760	3			2	3/8" Hex	500kcmil- #4	375 in-lbs		8	3/16" Hex	2/0 - #14	35-120 in-lbs	7	OLD59863Z	LPBC53
760	1	AL		2	3/8" Hex	500kcmil- #6	375 in-lbs		12	Slotted	#4 - #14	35 in-lbs	7	OLD55921Z**	LPBC51
760	2			2	3/8" Hex	500kcmil- #6	375 in-lbs		12	Slotted	#4 - #14	35 in-lbs	7	OLD55922Z**	LPBC52
760	3			2	3/8" Hex	500kcmil- #4	375 in-lbs		12	1/8" Hex	#4 - #14	35 in-lbs	7	LFD55923Z	LPBC53
760	1	CU		2	3/8" Hex	500kcmil- #6	375 in-lbs		12	Slotted	#2 - #14	35-50 in-lbs	7	OLD59921Z**	LPBC51
760	2			2	3/8" Hex	500kcmil- #6	375 in-lbs		12	Slotted	#2 - #14	35-50 in-lbs	7	OLD59922Z**	LPBC52
760	3			2	3/8" Hex	500kcmil- #6	375 in-lbs		12	Slotted	#2 - #14	35-50 in-lbs	7	OLD59923Z**	LPBC53
760	3	AL		2	1/2" Hex	500kcmil - #4	375 in-lbs		12	5/16" Hex	#2 - #14	35-50 in-lbs	7	OLD54083Z	LPBC53
840	3	AL		2	1/2" Hex	600kcmil- #2	375 in-lbs		4	5/16" Hex	3/0 - #6	120 in-lbs	7	OLD54113Z	LPBC53
									4	5/16" Hex	#4 - #14	35 in-lbs			
950	1	AL		2	9/16" Hex	750kcmil - 1/0	600 in-lbs		10	3/16" Hex	2/0 - #14	50-120 in-lbs	8	OLD57041Z	OLCH1351Z
950	3	AL		2	9/16" Hex	750kcmil - 1/0	600 in-lbs		10	3/16" Hex	2/0 - #14	50-120 in-lbs	8	OLD57043Z	OLCH1351Z
950	1	AL		2	9/16" Hex	750kcmil - 1/0	600 in-lbs		3	5/16" Hex	250kcmil - #6	275 in-lbs	8	OLD57051Z	OLCH1351Z
									12	5/32" Hex	#2 - #14	40-50 in-lbs			
950	3	AL		2	9/16" Hex	750kcmil - 1/0	600 in-lbs		3	5/16" Hex	250kcmil - #6	275 in-lbs			
									12	5/32" Hex	#2 - #14	40-50 in-lbs	8	OLD57053Z	OLCH1351Z
950	1	AL		2	9/16" Hex	750kcmil - 1/0	600 in-lbs		4	1/4" Hex	3/0 - #6	180 in-lbs	8	OLD57071Z	OLCH1351Z
									12	5/32" Hex	#2 - #14	40-50 in-lbs			
950	3	AL		2	9/16" Hex	750kcmil - 1/0	600 in-lbs		4	1/4" Hex	3/0 - #6	180 in-lbs			
									12	5/32" Hex	#2 - #14	40-50 in-lbs	8	OLD57073Z	OLCH1351Z

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