

POWR-BLOKS™

Distribution/Splicer Blocks and Covers

Distribution Block Selection Guide

Connector Configuration			Amp Rating per Pole	Number of Poles	Line		Load		Figure	Littelfuse Catalog Number
Mat'l	Line	Load			Wire Range	Openings per Pole	Wire Range	Openings per Pole		
AL			115	1	#2 - #14	1	#10 - #18	4	2	LD1400-1
			115	2	#2 - #14	1	#10 - #18	4	2	LD1400-2
			115	3	#2 - #14	1	#10 - #18	4	2	LD1400-3
			115	4	#2 - #14	1	#10 - #18	4	2	LD1400-4
AL			175	2	2/0 - #14	1	#4 - #14	6	1	LD0401-2
			175	3	2/0 - #14	1	#4 - #14	6	1	LD0401-3
AL			175	2	2/0 - #14	1	#4 - #14	4	1	LD0402-2
			175	3	2/0 - #14	1	#4 - #14	4	1	LD0402-3
AL			310	2	350mcm - #6	1	#4 - #14	6	1	LD0404-2
			310	3	350mcm - #6	1	#4 - #14	6	1	LD0404-3
AL			175	1	2/0 - #14	1	#4 - #14	4	3	LD2570-1
			175	2	2/0 - #14	1	#4 - #14	4	3	LD2570-2
			175	3	2/0 - #14	1	#4 - #14	4	3	LD2570-3
CU			175	1	2/0 - #14	1	#4 - #14	4	3	LD2970-1
			175	2	2/0 - #14	1	#4 - #14	4	3	LD2970-2
			175	3	2/0 - #14	1	#4 - #14	4	3	LD2970-3
AL			335	1	400mcm - #6	1	#2 - #14	4	5	LD3552-1
			335	2	400mcm - #6	1	#2 - #14	4	5	LD3552-2
			335	3	400mcm - #6	1	#2 - #14	4	5	LD3552-3
AL			335	1	400mcm - #6	1	#2 - #14	6	5	LD3553-1
			335	2	400mcm - #6	1	#2 - #14	6	5	LD3553-2
			335	3	400mcm - #6	1	#2 - #14	6	5	LD3553-3
AL			350	1	2/0 - #14	2	#4 - #14	6	5	LD3555-1
			350	2	2/0 - #14	2	#4 - #14	6	5	LD3555-2
			350	3	2/0 - #14	2	#4 - #14	6	5	LD3555-3
CU			380	1	500mcm - #4	1	#2 - #14	6	5	LD3953-1
			380	2	500mcm - #4	1	#2 - #14	6	5	LD3953-2
			380	3	500mcm - #4	1	#2 - #14	6	5	LD3953-3
CU			350	1	2/0 - #14	2	#4 - #14	6	5	LD3955-1
			350	2	2/0 - #14	2	#4 - #14	6	5	LD3955-2
			350	3	2/0 - #14	2	#4 - #14	6	5	LD3955-3
AL			380	1	500mcm - #4	1	#2 - #14	6	6	LD4551-1
			380	2	500mcm - #4	1	#2 - #14	6	6	LD4551-2
			380	3	500mcm - #4	1	#2 - #14	6	6	LD4551-3
AL			335	1	400mcm - #6	1	#2 - #14	8	6	LD4560-1
			335	2	400mcm - #6	1	#2 - #14	8	6	LD4560-2
			335	3	400mcm - #6	1	#2 - #14	8	6	LD4560-3
AL			380	1	500mcm - #4	1	#2 - #14	12	7	LD5552-1
			380	2	500mcm - #4	1	#2 - #14	12	7	LD5552-2
			380	3	500mcm - #4	1	#2 - #14	12	7	LD5552-3
AL			380	1	500mcm - #4	1	2/0 - #14	6	7	LD5579-1
			380	2	500mcm - #4	1	2/0 - #14	6	7	LD5579-2
			380	3	500mcm - #4	1	2/0 - #14	6	7	LD5579-3
AL			760	1	500mcm - #4	2	2/0 - #14	8	7	LD5586-1
			760	2	500mcm - #4	2	2/0 - #14	8	7	LD5586-2
			760	3	500mcm - #4	2	2/0 - #14	8	7	LD5586-3
AL			665	1	500mcm - #4	1	2/0 - #14	4	7	LD5587-1
				350mcm - #6	1	2/0 - #14	4	7	LD5587-1	
			665	2	500mcm - #4	1	2/0 - #14	4	7	LD5587-2
				350mcm - #6	1	2/0 - #14	4	7	LD5587-2	
665	3	500mcm - #4	1	2/0 - #14	4	7	LD5587-3			
		350mcm - #6	1	2/0 - #14	4	7	LD5587-3			

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Distribution/Splicer Blocks and Covers



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.

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.

Specifications

Voltage Rating: 600V
Amperage: Based on NEC Table 310.16, using 75°C copper wire
Material: Phenolic rated at 150°C and Thermoplastic rated at 125°C (LD1400 and LS1300 series only)

Connectors

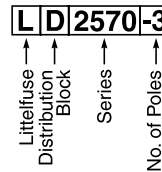
Box lug connectors are designed for use with a single, solid or class B or C stranded conductor. Use of more than one conductor per connector opening or use of extra-flexible, fine stranded conductors, such as welding cable, voids the UL Listing, and may cause overheating. Manufacturers of cable terminations can furnish crimp-on sleeves for fine stranded conductors which permit these conductors to be used with box lugs.

Ampere Ratings

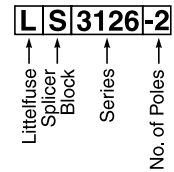
The ampere rating per pole for power distribution blocks is based on the line ampacity of 75°C insulated conductors per NEC Table 310.16. If 60°C insulated conductors are used, load must not exceed the ampacity of 60°C conductors. Use of conductors rated in excess of 75°C is permitted (for example 90°C),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

Ordering Information

Distribution Block
Example Part No.



Splicer Block
Example Part No.



Note: Aluminum blocks can use copper or aluminum wire; copper blocks can only use copper wire.

Connector: Standard: Highly conductive aluminum, tin plated
 Copper: Highly conductive copper, tin plated
Flammability Rating: 94V-0
Approvals: UL Recognized (File No. E171395)
 CSA Certified (File No. LR700111)