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Technical  
Note



# POWR-BLOKS™

**Distribution Blocks with High  
Short-Circuit Current Ratings (SCCR)**

## POWR-BLOKS

POWR-BLOK™ DESCRIPTION					HIGH SCCR REQUIREMENTS								
Littelfuse Catalog Number	Poles	Amps	Rated Wire Range (openings) kcmil/AWG		Conductor Size Required (kcmil/AWG) <sup>(2)</sup>		Overcurrent Protection Fuse Required Class / Littelfuse Series / Max Amp Rating <sup>(3)</sup>						SCCR, in RMS Sym Amps <sup>(1)</sup>
			Line	Load	Line	Load	J	T	RK1	RK5	G	CC	
							JTD_ID	JLLN or JLLS	LLNRK or LLSRK_ID	FLNR_ID or FLRSR_ID	SLC	CCMR, KLDR or KLKR	
LS1300-1	1	115	(1) 2 - 14	(1) 2 - 14	2 - 6	2 - 6	200	200	200	100	60	30	100,000
LS1300-2	2				8 - 10	8 - 10	100	100	100	-	60	30	100,000
LS1300-3	3						100	100	100	-	60	30	100,000
LS1300-4	4				100	100	100	-	60	30	100,000		
LD1400-1	1	115	(1) 2 - 14	(4) 10 - 16	2 - 6 10 - 8	10 - 14 10 - 14	200 100	200 100	200 100	100 -	60 60	30 30	100,000 100,000
LD1400-2	2	115	(1) 2 - 14	(4) 10 - 16	2 - 6 10 - 8	10 - 14 10 - 14	200 100	200 100	200 100	100 -	60 60	30 30	100,000 100,000
LFD14003	3	115	(1) 2 - 14	(4) 10 - 18	2-10 2-14	10 10-14	200 30	200 30	200 30	60 30	60 (100 kA) 60 (100 kA)	30 30	200,000 200,000
LD1400-4	4	115	(1) 2 - 14	(4) 10 - 16	2 - 6 10 - 8	10 - 14 10 - 14	200 100	200 100	200 100	100 -	60 60	30 30	100,000 100,000
LD2570-1DIN	1	175	(1) 2/0 - 14	(4) 4 - 14	2/0 - 6	4 - 14	200	200	200	100	60	30	100,000
LD2570-2DIN	2												
LD2570-3DIN	3												
LS2572-1DIN	1	175	(1) 2/0 - 14	(1) 2/0 - 14	2/0 - 6	2/0 - 6	200	200	200	100	60	30	100,000
LS2572-2DIN	2												
LS2572-3DIN	3												
LD2580-1DIN	1	175	(1) 2/0 - 14	(6) 4 - 14	2/0 - 6	4 - 14	200	200	200	100	60	30	100,000
LD2580-2DIN	2												
LD2580-3DIN	3												
LD2970-1DIN	1	175	(1) 2/0 - 14	(4) 4 - 14	2/0 - 6	4 - 14	200	200	200	100	60	30	100,000
LD2970-2DIN	2												
LD2970-3DIN	3												
LD0401-2	2	175	(1) 2/0 - 14	(6) 4 - 14	2/0 - 6	4 - 14	200	200	200	100	-	30	200,000
LFD04013	3	175	(1) 2/0 - 14	(6) 4 - 14	2/0 - 10 str. 2/0 - 14 str. 10 - 14 sol.	4 - 10 str. 4 - 14 str. 10 - 14 sol.	200 30 30	200 30 30	200 30 30	100 30 30	- 60 (100 kA) 60 (100 kA)	30 30 30	200,000 200,000 200,000
LD0402-2	2	175	(1) 2/0 - 14	(4) 4 - 14	2/0 - 6	4 - 14	200	200	200	100	60	30	100,000
LD0402-3	3												
LD2570-1	1	175	(1) 2/0 - 14	(4) 4 - 14	2/0 - 6	4 - 14	200	200	200	100	60	30	100,000
LFD25702	2	175	(1) 2/0 - 14	(4) 4 - 14	2/0-10 2/0-14	4 - 10 4 - 14	200 30	200 30	200 30	100 30	60 (100 kA) 60 (100 kA)	30 30	200,000 200,000
LFD25703	3	175	(1) 2/0 - 14	(4) 4 - 14	2/0-10 2/0-14	4 - 10 4 - 14	200 30	200 30	200 30	100 30	- 60 (100 kA)	30 30	200,000 200,000
LD2970-1	1	175	(1) 2/0 - 14	(4) 4 - 14	2/0 - 6	4 - 14	200	200	200	100	60	30	100,000
LD2970-2	2												
LD2970-3	3												
LS2972-1DIN	1	175	(1) 2/0 - 14	(1) 2/0 - 14	2/0 - 6	2/0 - 6	300	300	200	100	60	30	100,000
LS2972-2DIN	2												
LS2972-3DIN	3												
LD0404-2	2	310	(1) 350 - 6	(6) 4 - 14	350 - 3/0	4 - 8	400	400	400	200	-	30	200,000
							600	-	-	-	60	-	100,000
LD0404-3	3						200	200	200	100	-	30	200,000
		-	-	-	-	60	-	100,000					
LD3552-1	1	335	(1) 400 - 6	(4) 2 - 14	400 - 3/0	2 - 8	400	400	400	100	60	30	100,000
LD3552-2	2				200	200	200	100	60	30	100,000		
LFD35523	3	380	(1) 500 - 6	(4) 2 - 14	500-4 500-6	2 2 - 14	400 30	400 30	400 30	200 30	60 (100KA) 60 (100KA)	60 30	200,000 200,000
LD3553-1	1	335	(1) 400 - 6	(6) 2 - 14	400 - 3/0	2 - 8	400	400	400	200	-	30	200,000
							600	-	-	-	60	-	100,000
LD3553-2	2						200	200	200	100	-	30	200,000
		-	-	-	-	60	-	100,000					
LFD35533	3	380	(1) 500 - 6	(6) 2 - 14	500-4 500-6	2 2 - 14	400 30	400 30	400 30	200 30	60 (100 kA) 60 (100 kA)	30 30	200,000 200,000

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			Line	Load	Line	Load	J	T	RK1	RK5	G	CC	
							JTD_ID	JLLN or JLLS	LLNRK or LLSRK_ID	FLNR_ID or FLRSR_ID	SLC	CCMR, KLDR or KLKR	
LD4560-1	1				400 - 3/0	2 - 8	400	400	400	200	60	30	100,000
LD4560-2	2	335	(1) 400 - 6	(8) 2 - 14									
LD4560-3	3				2/0 - 6	2 - 14	200	200	200	100	60	30	100,000
LD3555-1	1				2/0 - 2	4 - 8	400	400	400	100	60	30	100,000
LD3555-2	2	350	(2) 2/0 - 14	(6) 4 - 14	4 - 6	10 - 14	200	200	200	100	60	30	100,000
LFD35553	3	350	(2) 2/0 - 14	(6) 4 - 14	2/0 - 4	2 - 4	400	400	400	200	60 (100 kA)	30	200,000
					2/0 - 14	4 - 14	30	30	30	30	60 (100 kA)	30	200,000
LD3955-1	1				2/0 - 2	4 - 8	400	400	400	100	60	30	100,000
LD3955-2	2	350	(2) 2/0 - 14	(6) 4 - 14									
LD3955-3	3				4 - 6	10 - 14	200	200	200	100	60	30	100,000
LD3953-1	1				500 - 3/0	2 - 10	600	600	600	-	-	-	50,000
LD3953-2	2	380	(1) 500 - 4	(6) 2 - 14			400	400	400	200	60	30	100,000
LD3953-3	3				500 - 3/0	2 - 8	400	400	400	200	60	30	100,000
					2/0 - 4	2 - 14	200	200	200	100	60	30	100,000
LD4551-1	1				500 - 3/0	2 - 8	600	600	400	200	60	30	100,000
LD4551-2	2	380	(1) 500 - 4	(6) 2 - 14									
LD4551-3	3				2/0 - 4	2 - 14	200	200	200	100	60	30	100,000
LD5552-1	1				500 - 3/0	2 - 8	400	400	400	200	60	30	100,000
LD5552-2	2	380	(1) 500 - 4	(12) 2 - 14	2/0 - 4	2 - 14	200	200	200	100	60	30	100,000
LFD5552-3	3	380	(1) 500 - 4	(12) 2 - 14	500 - 4	2 - 4	600	600	400	200	60	30	100,000
					500 - 4	2 - 14	30	30	30	30	60 (100 kA)	30	200,000
LD5579-1	1				500 - 3/0	2/0 - 6	400	400	400	100	60	30	100,000
LD5579-2	2	380	(1) 500 - 4	(6) 2/0 - 14	2/0 - 4	8 - 14	200	200	200	100	60	30	100,000
LFD5579-3	3	380	(1) 500 - 4	(6) 2/0 - 14	500 - 4	2/0 - 4	400	400	400	200	60 (100 kA)	30	200,000
					500 - 4	2/0 - 14	30	30	30	30	60 (100 kA)	30	200,000
LD5594-1	1				500 - 3/0	2 - 8	600	600	400	200	60	30	100,000
LD5594-2	2	380	(1) 500 - 4	(8) 2 - 14									
LD5594-3	3				2/0 - 4	2 - 14	200	200	200	100	60	30	100,000
LS4557-1	1				600 - 2	600 - 2	600	600	-	-	-	-	50,000
LS4557-2	2	420	(1) 600 - 4	(1) 600 - 4									
LS4557-3	3						400	400	400	200	60	30	100,000
LD5586-1	1				500-250	2/0 - 4	600	600	400	200	60	30	100,000
LD5586-2	2	760	(2) 500 - 4	(8) 2/0 - 14	4/0 - 4	2/0 - 10	600	600	-	-	-	-	50,000
							400	400	400	200	60	30	100,000
LFD5586-3	3	760	(2) 500 - 4	(8) 2/0 - 14	(2) 500 - 4	2/0 - 4	600	600	400	200	60	30	100,000
					2 - 4	2 - 14	30	30	30	30	60 (100 kA)	30	200,000
LD5592-1	1				500 - 250	4 - 8	600	600	600	-	-	-	50,000
LD5592-2	2	760	(2) 500 - 4	(12) 4 - 14			400	400	400	200	60	30	100,000
					4/0 - 4	4 - 14	600	600	-	-	-	-	50,000
							400	400	400	200	60	30	100,000
LFD5592-3	3	760	(2) 500 - 4	(12) 4 - 14	(2) 500 - 4	4	600	600	400	200	60	30	100,000
					2 - 4	4 - 14	30	30	30	30	60 (100 kA)	30	200,000
LD5986-1	1				500 - 250	2/0 - 4	600	600	400	200	60	30	100,000
LD5986-2	2	760	(2) 500 - 4	(8) 2/0 - 14			600	600	-	-	-	-	50,000
LD5986-3	3				4/0 - 4	2/0 - 6	400	400	400	200	60	30	100,000
LD5992-1	1				500 - 250	2 - 8	600	600	600	-	-	-	50,000
LD5992-2	2	760	(2) 500 - 4	(12) 2 - 14			400	400	400	200	60	30	100,000
LD5992-3	3				4/0 - 4	2 - 14	600	600	-	-	-	-	50,000
							400	400	400	200	60	30	100,000

## GDB Series

GDB60801Z	1	80	(1) 8 - 4	(6) 8 - 4	8 - 4	14-10 sol/str	80	-	-	-	-	-	100,000
GDB61151Z	1	115	(2) 1x 8 - 2 1x 10 - 6	(6) 14 - 4	8 - 2	14-4 sol/str	125	-	-	-	-	-	100,000
GDB61153Z	3	115	(1) 8 - 2	(6) 14 - 4	8 - 2	14-4 sol/str	125	-	-	-	-	-	100,000
GDB61601Z	1	160	(1) 8 - 2/0	(6) 14 - 4	8 - 2/0	14-4 sol/str	175	-	-	-	-	-	100,000
GDB61753Z	3	175	(1) 8 - 2/0	(6) 14 - 4	8 - 2/0	14-4 sol/str	175	-	-	-	-	-	100,000
GDB63101Z	1	310	(1) 3/0 - 350	(11) 2x 14 - 2 5x 14 - 6 4x 14 - 8	3/0 - 350	14 - 6 (Top) 14 - 8 (Mid) 14 - 2 (Bot)	350	-	-	-	-	-	100,000

NOTE: The connectors were tested and approved at 90°C per UL 486 A/B - ampacity reflect 90°C column in Table 310-16 of NEC.

- (1) Short-circuit current ratings may be marked on the block or instructions provided with the terminal block
- (2) Size range of conductors necessary to maintain noted SCCR
- (3) Maximum size of line side overcurrent protection to provide noted SCCR

For more information, visit  
[littelfuse.com/PowrBlocs](http://littelfuse.com/PowrBlocs)

Additional technical information and application data for Littelfuse fuses, protection relays and other circuit protection and safety products can be found on [littelfuse.com](http://littelfuse.com). For questions, contact our Technical Support Group (**800-TEC-FUSE**). Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to changes without notice.