

POWR-BLOKS™



GUIDE TO DISTRIBUTION BLOCKS WITH HIGH SHORT-CIRCUIT CURRENT RATINGS (SCCR)



Littelfuse®

Expertise Applied | Answers Delivered

POWR-BLOK™ DESCRIPTION							HIGH SCCR REQUIREMENTS								
LITTELFUSE CATALOG NUMBER	POLES	AMPS	RATED WIRE RANGE (OPENINGS) kcmil/AWG		CONDUCTOR SIZE REQUIRED (Kcmil/AWG) ⁽²⁾		OVERCURRENT PROTECTION FUSE REQUIRED CLASS / LITTELFUSE SERIES / MAX AMP RATING ⁽³⁾						SCCR, IN RMS SYM AMPS ⁽¹⁾		
			LINE	LOAD	LINE	LOAD	J	T	RK1	RK5	G	CC			
							JTD_ID	JLLN or JLLS	LLNRK or LLSRK_ID	FLNR_ID or FLSR_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	200	200	200	100	60	30	100,000		
LS1300-3	3														
LS1300-4	4														
LD1400-1	1	115	(1) 2 - 14	(4) 10 - 16	2 - 6	10 - 14	200	200	200	100	60	30	100,000		
	10 - 8				100		100	100	-						
LD1400-2	2				(1) 2 - 14	(4) 10 - 16	2 - 6	10 - 14	200	200	200	100	60	30	100,000
	10 - 8						100		100	100	-				
LFD14003	3		(1) 2 - 14	(4) 10 - 18	2-10	10	200	200	200	60	60 (100 kA)	30	200,000		
	2-14				10-14	30	30	30	30	60 (100 kA)					
LD1400-4	4		(1) 2 - 14	(4) 10 - 16	2 - 6	10 - 14	200	200	200	100	60	30	100,000		
	10 - 8				100		100	100	-						
LD14401	1	115	2 - 14	10 - 18	2 - 6	10 - 18	200	200	200	60	60	30	100,000		
LD14402	2														
LD14404	4														
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.	4 - 10 str.	200	200	200	100	-				
					2/0 - 14 str.	4 - 14 str.	30	30	30	30	60 (100 kA)				
					10 - 14 sol.	10 - 14 sol.									
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	4 - 10	200	200	200	100	60 (100 kA)	30	200,000		
					2/0-14	4 - 14	30	30	30	30					
LFD25703	3	175	(1) 2/0 - 14	(4) 4 - 14	2/0-10	4 - 10	200	200	200	100	-	30	200,000		
					2/0-14	4 - 14	30	30	30	30	60 (100 kA)				
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				2/0 - 6	4 - 14	200	200	200	100	-	30	200,000		
					-	-	-	-	60	-	100,000				
LD335543	3	310	350kcmil - 6	2/0 - 14	350 - 3/0	2/0-1	500	500	400	200	60	30	100,000		
					350 - 6	2/0-10	200	200	200	100					
					250 - 1/0 (Class G, H, I, K)	1 - 10 (Class G, H, I, K)	150	150	100	30					
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				2/0 - 6	2 - 14	200	200	200						
LFD35523	3	380	(1) 500 - 6	(4) 2 - 14	500-4	2	400	400	400	200	60 (100KA)	60	200,000		
					500-6	2 - 14	30	30	30	30		30			

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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 FLSR_ID	SLC	CCMR, KLDR or KLKR	
LD3553-1	1	335	(1) 400 - 6	(6) 2 - 14	400 - 3/0	2 - 8	400	400	400	200	-	30	200,000
LD3553-2	2				2/0 - 6	2 - 14	600	-	-	-	60	-	100,000
							200	200	200	100	-	30	200,000
LFD35533	3	380	(1) 500 - 6	(6) 2 - 14	500-4	2	400	400	400	200	60 (100 kA)	30	200,000
					500-6	2 - 14	30	30	30	30			
LD4560-1	1	335	(1) 400 - 6	(8) 2 - 14	400 - 3/0	2 - 8	400	400	400	200	60	30	100,000
LD4560-2	2				2/0 - 6	2 - 14	200	200	200	100	60	30	100,000
LD4560-3	3												
LD3555-1	1	350	(2) 2/0 - 14	(6) 4 - 14	2/0 - 2	4 - 8	400	400	400	100	60	30	100,000
LD3555-2	2				4 - 6	10 - 14	200	200	200				
LFD35553	3				350	(2) 2/0 - 14	(6) 4 - 14	2/0 - 4	2 - 4	400	400	400	200
LD3955-1 LD3955-2 LD3955-3	1 2 3	350	(2) 2/0 - 14	(6) 4 - 14	2/0 - 14	4 - 14	30	30	30	30			
					2/0 - 2	4 - 8	400	400	400	100	60	30	100,000
					4 - 6	10 - 14	200	200	200				
LD3953-1	1	380	(1) 500 - 4	(6) 2 - 14	500 - 3/0	2 - 10	600	600	600	-	-	-	50,000
LD3953-2	2				500 - 3/0	2 - 8	400	400	400	200	60	30	100,000
LD3953-3	3				2/0 - 4	2 - 14	200	200	200	100			
LD4551-1	1	380	(1) 500 - 4	(6) 2 - 14	500 - 3/0	2 - 8	600	600	400	200	60	30	100,000
LD4551-2	2				2/0 - 4	2 - 14	200	200	200	100			
LD4551-3	3												
LD5552-1	1	380	(1) 500 - 4	(12) 2 - 14	500 - 3/0	2 - 8	400	400	400	200	60	30	100,000
LD5552-2	2				2/0 - 4	2 - 14	200	200	200	100			
LFD5552-3	3				380	(1) 500 - 4	(12) 2 - 14	500 - 4	2 - 4	600			
					2 - 14	30	30	30	30				
LD5579-1	1	380	(1) 500 - 4	(6) 2/0 - 14	500 - 3/0	2/0 - 6	400	400	400	100	60	30	100,000
LD5579-2	2				2/0 - 4	8 - 14	200	200	200				
LFD5579-3	3	380	(1) 500 - 4	(6) 2/0 - 14	500 - 4	2/0 - 4	400	400	400	200	60 (100 kA)		200,000
						2/0 - 14	30	30	30	30			
LD5594-1	1	380	(1) 500 - 4	(8) 2 - 14	500 - 3/0	2 - 8	600	600	400	200	60	30	100,000
LD5594-2	2				2/0 - 4	2 - 14	200	200	200	100			
LD5594-3	3												
LS4557-1	1	420	(1) 600 - 4	(1) 600 - 4	600 - 2	600 - 2	600	600	-	-	-	-	50,000
LS4557-2	2						400	400	400	200	60	30	100,000
LS4557-3	3												
LD35881 LD35883	1, 3	420	600kcmil- 2	1/0 - 14 large hole, 2 - 14 small hole	600kcmil - 3/0	1/0 - 8	600	600	400	200	60	30	100,000
					600 - 2	1/0 - 10	200	200	200	100			
					350 - 2 (Class G, H, I, K)	1 - 8	500	500	400	200			
					350 - 2 (Class G, H, I, K)	1 - 10	200	200	200	100			
LD35951 LD35952	1, 2	420	600kcmil- 2	4 - 14	600 - 3/0	4 - 8	500	500	400	200	60	30	100,000
					600 - 2	4 - 10	200	200	200	100			
					350 - 2 (Class G, H, I, K)	6 - 10 (Class G, H, I, K)	150	150	100	30			
LD35961 LD35962 LD35963	1 2 3	510	250kcmil - 6	4 - 14	250 - 1/0	4 - 10	450	450	400	100	60	30	100,000
					3/0 - 1/0 (Class G, H, I, K)	6 - 14 (Class G, H, I, K)	150	150	100	30			
LD5586-1	1	760	(2) 500 - 4	(8) 2/0 - 14	500-250	2/0 - 4	600	600	400	200	60	30	100,000
LD5586-2	2				4/0 - 4	2/0 - 10	600	600	-	-	-	-	50,000
LFD5586-3	3				(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	760	(2) 500 - 4	(12) 4 - 14	500 - 250	4 - 8	600	600	600	-	-	-	50,000
LD5592-2	2				4/0 - 4	4 - 14	400	400	400	200	60	30	100,000
							600	600	-	-	-	-	50,000
							400	400	400	200	60	30	100,000
LFD5592-3	3				(2) 500 - 4	4	600	600	400	200	60	30	200,000
					2 - 4	4 - 14	30	30	30	30	60 (100 kA)	30	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 FLSR_ID	SLC	CCMR, KLDR or KLKR		
LD5986-1	1	760	(2) 500 - 4	(8) 2/0 - 14	500 - 250	2/0 - 4	600	600	400	200	60	30	100,000	
LD5986-2	2				4/0 - 4	2/0 - 6	600	600	-	-	-	-	50,000	
LD5986-3	3				400	400	400	200	60	30	100,000			
LD5992-1	1	760	(2) 500 - 4	(12) 2 - 14	500 - 250	2 - 8	600	600	600	-	-	-	50,000	
LD5992-2	2				400	400	400	200	60	30	100,000			
LD5992-3	3				600	600	-	-	-	-	50,000			
					4/0 - 4	2 - 14	400	400	400	200	60	30	100,000	
LD54083	3	760	500kcmil - 4	2 - 14	500-250 Cu	4-8	400	400	200	100	60	30	100,000	
					500-4 Cu	4-10	350	350						
					(2) 350-250 (Class G, H, I, K)	6-8 (Class G, H, I, K)	400	400						
					(2) 350-4 (Class G, H, I, K)	6-10 (Class G, H, I, K)	350	350						
LD54113	1	840	600kcmil - 2	3/0 - 6 large hole, 4 - 14 small hole	600kcmil - 2	3/0 - 6 Large hole	600	600	600	100	60	30	100,000	
						2 - 6 Small hole	250	250	200	60				
						3/0 - 10								
						2 - 10 Small hole								
LD57041	1, 3	950	750kcmil - 1/0	2/0 - 14	750 - 1/0	2/0 - 2	600	700	600	200	60	30	100,000	
LD57043						2/0 - 6	300	300	200	100				
LD57051	1,3	950	750kcmil - 1/0	250kcmil - 6 large hole, 2 - 14 small hole	750 - 1/0	250 - 2	600	700	600	200	60	30	100,000	
LD57053						250 - 6	300	300	200	100				
						2 - 6	300	300	200	100				
LD57071	1,3	950	750kcmil - 1/0	3/0 - 6 large hole, 2 - 14 small hole	750 - 1/0	3/0 - 2	600	700	600	200	60	30	100,000	
						3/0 - 6	300	300	200	100				
						2 - 6	300	300	200	100				

GBD Series

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LITTELFUSE CATALOG NUMBER	POLES	AMPS	RATED WIRE RANGE (OPENINGS) kcmil/AWG		CONDUCTOR SIZE REQUIRED (kcmil/AWG) ⁽²⁾		OVERCURRENT PROTECTION FUSE REQUIRED CLASS / LITTELFUSE SERIES / MAX AMP RATING ⁽³⁾						SCCR, in RMS Sym Amps ⁽¹⁾
			LINE	LOAD	LINE	LOAD	J	T	RK1	RK5	G	CC	
							JTD_ID	JLLN or JLLS	LLNRK or LLSRK_ID	FLNR_ID or FLSR_ID	SLC	CCMR, KLDR or KLKR	
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	(6) 14 - 4	8 - 2	14-4 sol/str	125	-	-	-	-	-	100,000
			1x 10 - 6	(6) 14 - 4		14-4 sol/str		-	-	-	-	-	
GDB61153Z	3	115	(1) 8 - 2	(6) 14 - 4	8 - 2	14-4 sol/str	125	-	-	-	-	-	100,000
GDBAD211Z	1	115	(1) 14 - 2	(1) 14 - 2	14 - 2	14 - 2	175	225	100	60	60	30	100,000
GDBAD241Z	1	115	(1) 10 - 2	(4) 14 - 10	10 - 2	14 - 10	125	200	100	30	60	30	65,000
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
GDBAD421Z	1	200	(1) 8 - 3/0	(1) 8 - 3/0	8 - 3/0	8 - 3/0	225	225	200	60	60	30	100,000
GDBAP421Z	1	200	(1) 8 - 3/0	(1) 8 - 3/0	8 - 3/0	8 - 3/0	225	225	200	60	60	30	100,000
GDBAD451Z	1	200	(1) 8 - 3/0	(4) 8 - 2	8 - 3/0	8 - 2	225	225	200	60	60	30	100,000
			(1) 8 - 3/0	(4) 14 - 8	8 - 3/0	14 - 8	100	110	100	30			
GDBAP451Z	1	200	(1) 8 - 3/0	(4) 8 - 2	8 - 3/0	8 - 2	225	225	200	60	60	30	100,000
			(1) 8 - 3/0	(4) 14 - 8	8 - 3/0	14 - 8	100	110	100	30			
GDB63101Z	1	310	(1) 3/0 - 350	(11) 2x 14 - 2	3/0 - 350	14 - 6 (Top)	350	-	-	-	-	-	100,000
				5x 14 - 6		14 - 8 (Mid)		-	-	-	-	-	
				4x 14 - 8		14 - 2 (Bot)		-	-	-	-	-	
GDBAD741Z	1	335	(1) 6 - 400 kcmil	(8) 14 - 2	6 - 400 kcmil	14 - 2	-	-	-	-	-	-	10,000
			(1) 14 - 3/0	(8) 14 - 2	14 - 3/0	14 - 2	-	-	-	-	-	-	

NOTE: The connectors were tested and approved at 90oC per UL 486 A/B - ampacity reflect 90oC 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