Semiconductor Fuses

150/250/500/600/700 VAC ▪ Very Fast-Acting ▪ 1 – 1000 Amperes

Littelfuse® POWR-GARD™ Products

SPECIFICATIONS

Voltage Ratings:

L15S:	150 V AC/DC (1 – 60A) 150 VAC (70 – 1000A) 100 VDC (70 – 1000A)
L25S:	250 V AC/DC (1 – 200A) 250 VAC (225 – 800A) 200 VDC (225 – 800A)
L50S:	500 VAC/450VDC
L60S:	600 VAC
KLC:	600 VAC
L70S:	700VAC/650VDC

Interrupting Rating: AC: 200,000 rms amperes (L15S series 100,000 amperes)
DC: 20,000 amperes

Ampere Range: 1 – 1000 amperes
See Rating Table for ratings available in each series.

Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program.
UL File No: E71611
CSA File No: LR29862

L15S and L25S series fuses are Littelfuse Certified for DC ratings shown in Rating Table.

AMPERE RATINGS

See Rating Table.

RECOMMENDED FUSE BLOCKS

LSCR series: Refer to Fuse Block section of this catalog for additional information.

Designed to protect today's equipment and systems, Littelfuse semiconductor fuses are manufactured with Littelfuse-developed technology that sets tomorrow's standards for accuracy, consistent quality, reliability, and predictable performance. By using advanced metallurgical, polymer, and materials research; mathematical modeling, and computerized statistical analysis; Littelfuse engineers have redefined "State-of-the-Art."

APPLICATIONS

Designed specifically for supplementary protection of semiconducting devices such as silicon controlled rectifiers (SCR's), diodes, thyristors, triacs, transistors, and similar solid-state devices. These devices are used in power equipment including variable speed drives, power rectifiers, UPS systems, DC power supplies, and in a wide range of electronic equipment.

May be used wherever extremely fast-acting, current-limiting fuses with no time delay are required.

SAFETY

- 200,000 A.I.R. — Reliable interruption of all overcurrents up to 200,000 amperes . . . meets present and future system requirements. (Note: L15S series has 100,000 A.I.R.)
- Extremely Current Limiting — Low I^2t and peak let-through currents meet most semiconductor requirements.
- UL Recognized — Littelfuse semiconductor fuses are recognized under the components program of Underwriters Laboratories, Inc., and carry the ®ЯU mark. UL Recognized semiconductor fuses may be used to provide supplementary protection in UL listed equipment.

LONGER EQUIPMENT LIFE

- Low Watt Losses — Means less heating and power consumption in circuit.
- Controlled Transient Overvoltages — All circuits are subject to transient overvoltages during fault current interruption. These transient overvoltages (arc voltages) start when fuse links melt or circuit breaker contacts part, and subside when circuit is interrupted. Semiconductors are very sensitive to overvoltages. Littelfuse semiconductor fuse designs keep transient overvoltages to low levels and help reduce semiconductor failure.

Semiconductor Fuses

150/250/500/600/700 VAC ▪ Very Fast-Acting ▪ 1 – 1000 Amperes

Littelfuse POWR-GARD™ Products

RATING TABLE

Ampere Ratings	Series & Voltage					
	L15S 150V AC 150V DC (1 – 60A) 100V DC (70 – 1000A)	**L25S** 250V AC 250V DC (1 – 200A) 200V DC (225 – 800A)	**L50S** 500V AC 450V DC	**L60S** 600V AC	**KLC‡** 600V AC	**L70S** 700V AC 650V DC
1	L15S 1	L25S 1		L60S 1	KLC 1	
2	L15S 2	L25S 2		L60S 2	KLC 2	
3	L15S 3	L25S 3		L60S 3	KLC 3	
4	L15S 4	L25S 4		L60S 4	KLC 4	
5	L15S 5	L25S 5		L60S 5	KLC 5	
6	L15S 6	L25S 6		L60S 6	KLC 6	
7	L15S 7				KLC 7	
8	L15S 8	L25S 8		L60S 8	KLC 8	
9	L15S 9					
10	L15S 10	L25S 10	L50S 10	L60S 10	KLC 10	L70S 10
12	L15S 12	L25S 12	L50S 12	L60S 12	KLC 12	
15	L15S 15	L25S 15	L50S 15	L60S 15	KLC 15	L70S 15
17½				L60S 17½	KLC 17½	
20	L15S 20	L25S 20	L50S 20	L60S 20	KLC 20	L70S 20
25	L15S 25	L25S 25	L50S 25	L60S 25	KLC 25	L70S 25
30	L15S 30	L25S 30	L50S 30	L60S 30	KLC 30	L70S 30
35	L15S 35	L25S 35	L50S 35	L60S 35	KLC 35	L70S 35
40	L15S 40	L25S 40	L50S 40	L60S 40	KLC 40	L70S 40
45	L15S 45	L25S 45		L60S 45	KLC 45	
50	L15S 50	L25S 50	L50S 50	L60S 50	KLC 50	L70S 50
60	L15S 60	L25S 60	L50S 60	L60S 60	KLC 60	L70S 60
70	L15S 70	L25S 70	L50S 70	L60S 70	KLC 70	L70S 70
80	L15S 80	L25S 80	L50S 80	L60S 80	KLC 80	L70S 80
90	L15S 90	L25S 90	L50S 90	L60S 90	KLC 90	L70S 90
100	L15S 100	L25S 100	L50S 100	L60S 100	KLC 100	L70S 100
110					KLC 110	
125	L15S 125	L25S 125	L50S 125	L60S 125	KLC 125	L70S 125
150	L15S 150	L25S 150	L50S 150	L60S 150	KLC 150	L70S 150
175		L25S 175	L50S 175	L60S 175	KLC 175	L70S 175
200	L15S 200	L25S 200	L50S 200	L60S 200	KLC 200	L70S 200
225		L25S 225	L50S 225	L60S 225	KLC 225	L70S 225
250	L15S 250	L25S 250	L50S 250	L60S 250	KLC 250	L70S 250
275		L25S 275	L50S 275			
300	L15S 300	L25S 300	L50S 300	L60S 300	KLC 300	L70S 300
350	L15S 350	L25S 350	L50S 350	L60S 350	KLC 350	L70S 350
400	L15S 400	L25S 400	L50S 400	L60S 400	KLC 400	L70S 400
450	L15S 450	L25S 450	L50S 450	L60S 450	KLC 450	L70S 450
500	L15S 500	L25S 500	L50S 500	L60S 500	KLC 500	L70S 500
550			L50S 550			
600	L15S 600	L25S 600	L50S 600	L60S 600	KLC 600	L70S 600
700		L25S 700	L50S 700	L60S 700	KLC 700	L70S 700
800	L15S 800	L25S 800	L50S 800	L60S 800	KLC 800	L70S 800
900						
1000	L15S 1000					

‡ KLC series fuses are recommended for replacement use only.

Special Purpose Fuses

Semiconductor Fuses

150/250/500/600/700 VAC ■ Very Fast-Acting ■ 1 – 1000 Amperes

Littelfuse POWR-GARD™ Products

L15S SERIES, 150* VOLTS AC
(Replaces KLA, KLW, L13S)

AMPERE RATING	FIG. NO.	DIMENSIONS IN INCHES (mm in parentheses)							
		A	B	C	D	E	F	G	H
1 – 30	1	1-1/2 (38.1)	—	3/8 (9.5)	13/32 (10.3)	—	—	—	—
31 – 60	1	2 (50.8)	—	5/8 (15.9)	13/16 (20.6)	—	—	—	—
61 – 450	3	1-5/32 (29.4)	1-7/8 (47.6)	2-3/16 (55.6)	2-21/32 (67.5)	1 (25.4)	43/64 (17.1)	5/16 (7.9)	3/16 (4.8)
451 – 1000	3	1-1/4 (31.8)	1-15/16 (49.2)	2-9/16 (65.1)	3-1/2 (88.9)	1-1/2 (38.1)	1 (25.4)	13/32 (10.3)	1/4 (6.4)

L25S SERIES, 250 VOLTS AC
(Replaces KLB)

AMPERE RATING	FIG. NO.	DIMENSIONS IN INCHES (mm in parentheses)							
		A	B	C	D	E	F	G	H
1 – 30	1	2 (50.8)	—	1/2 (12.7)	9/16 (14.3)	—	—	—	—
31 – 60	2	1-5/8 (41.3)	2-1/4 (57.2)	2-1/2 (63.5)	3-3/16 (81.0)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 – 200	3	1-5/8 (41.3)	2-5/16 (58.7)	2-7/16 (61.9)	3-1/8 (79.4)	1-7/32 (31.0)	1 (25.4)	5/16 (7.9)	3/16 (4.8)
201 – 700	3	1-19/32 (40.5)	2-9/32 (57.9)	2-29/32 (73.8)	3-27/32 (97.6)	1-1/2 (38.1)	1 (25.4)	13/32 (10.3)	1/4 (6.4)
701 – 800	3	1-19/32 (40.5)	2-9/32 (57.9)	2-29/32 (73.8)	3-27/32 (97.6)	2 (50.8)	1-1/2 (38.1)	13/32 (10.3)	1/4 (6.4)

L50S SERIES, 500 VOLTS AC / 450 VOLTS DC
(Replaces KLH)

AMPERE RATING	FIG. NO.	DIMENSIONS IN INCHES (mm in parentheses)							
		A	B	C	D	E	F	G	H
10 – 30	1	2 (50.8)	—	1/2 (12.7)	9/16 (14.3)	—	—	—	—
31 – 60	2	1-5/8 (41.3)	2-1/4 (57.2)	2-1/2 (63.5)	3-3/16 (81.0)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 – 100	3	2-1/8 (54.0)	2-11/16 (68.3)	3-1/32 (77.0)	3-5/8 (92.1)	1 (25.4)	3/4 (19.1)	11/32 (8.7)	1/8 (3.2)
101 – 200	3	2-1/8 (54.0)	2-13/16 (71.4)	2-15/16 (74.6)	3-5/8 (92.1)	1-7/32 (31.0)	1 (25.4)	5/16 (7.9)	3/16 (4.8)
201 – 400	3	2-3/32 (53.2)	2-25/32 (70.6)	3-13/32 (86.5)	4-11/32 (110.3)	1-1/2 (38.1)	1 (25.4)	13/32 (10.3)	1/4 (6.4)
401 – 600	3	2-7/32 (56.4)	2-29/32 (73.8)	3-17/32 (89.7)	4-15/32 (113.5)	2 (50.8)	1-1/2 (38.1)	13/32 (10.3)	1/4 (6.4)
601 – 800	3	2-7/32 (56.4)	4-9/32 (108.7)	4-5/8 (117.5)	6-15/32 (164.3)	2-1/2 (63.5)	2 (50.8)	17/32 (13.5)	3/8 (9.5)

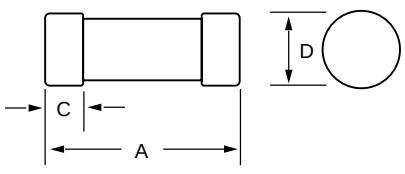
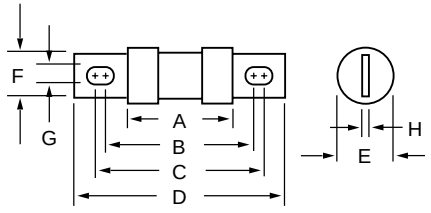


Fig. 1



Fig, 2

Special Purpose Fuses

Semiconductor Fuses

150/250/500/600/700 VAC ■ Very Fast-Acting ■ 1 – 1000 Amperes

Littelfuse POWR-GARD™ Products

L60S SERIES, 600 VOLTS AC

AMPERE RATING	FIG. NO.	DIMENSIONS IN INCHES (mm in parentheses)							
		A	B	C	D	E	F	G	H
1 – 30	1	5 (127.0)	—	5/8 (15.9)	13/16 (20.6)	—	—	—	—
31 – 60	2	2-25/32 (70.6)	3-7/16 (87.3)	3-11/16 (93.7)	4-3/8 (111.1)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 – 100	2	2-29/32 (73.8)	3-17/32 (89.7)	3-25/32 (96.0)	4-15/32 (113.5)	1-1/16 (27.0)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
101 – 200	2	2-29/32 (73.8)	3-9/16 (90.5)	3-3/4 (95.3)	4-13/32 (111.9)	1-5/16 (33.3)	1 (25.4)	5/16 (7.9)	3/16 (4.8)
201 – 400	2	2-29/32 (73.8)	3-31/32 (100.8)	4-5/32 (105.6)	5-1/8 (130.2)	1-37/64 (40.1)	1 (25.4)	13/32 (10.3)	1/4 (6.4)
401 – 600	2	2-7/8 (73.0)	3-31/32 (100.8)	4-9/64 (105.2)	5-1/8 (130.2)	2-1/16 (52.8)	1-1/2 (38.1)	13/32 (10.3)	1/4 (6.4)
601 – 800	2	3-1/32 (77.0)	5-5/32 (133.4)	5-11/32 (135.7)	7-1/4 (184.2)	2-1/2 (63.5)	2 (50.8)	17/32 (13.5)	3/8 (9.5)

L70S SERIES, 700 VOLTS AC / 650 VOLTS DC

AMPERE RATING	FIG. NO.	DIMENSIONS IN INCHES (mm in parentheses)								
		A	B	C	D	E	F	G	H	J
10 – 30	1	2 (50.8)	—	1/2 (12.7)	9/16 (14.3)	—	—	—	—	—
31 – 60	3	2-7/8 (73.0)	3-7/16 (87.3)	3-25/32 (96.0)	4-3/8 (111.1)	1 (25.4)	43/64 (17.1)	11/32 (8.7)	1/8 (3.2)	—
61 – 100	3	2-7/8 (73.0)	3-9/16 (90.5)	3-11/16 (93.7)	4-3/8 (111.1)	1-7/32 (31.0)	29/32 (22.9)	5/16 (7.9)	3/16 (4.8)	—
101 – 200	3	2-27/32 (72.2)	3-17/32 (89.7)	4-5/32 (105.6)	5-3/32 (129.4)	1-1/2 (38.1)	1 (25.4)	13/32 (10.3)	1/4 (6.4)	—
201 – 400	3	2-27/32 (72.2)	3-17/32 (89.7)	4-5/32 (105.6)	5-3/32 (129.4)	2 (50.8)	1-1/2 (38.1)	13/32 (10.3)	1/4 (6.4)	—
401 – 600	3	2-27/32 (72.2)	4-29/32 (124.6)	5-1/4 (133.4)	7-3/32 (180.2)	2-1/2 (63.5)	2 (50.8)	17/32 (13.5)	3/8 (9.5)	—
601 – 800	4	3-5/16 (84.1)	5-5/16 (134.9)	6-13/16 (173.0)	—	2-7/8 (73.0)	2 (50.8)	5/8 (15.9)	3/8 (9.5)	5/16 (7.9)

KLC SERIES, 600 VOLTS AC

AMPERE RATING	FIG. NO.	DIMENSIONS IN INCHES (mm in parentheses)							
		A	B	C	D	E	F	G	H
1 – 30	2	1-7/8 (47.6)	2-1/2 (63.5)	—	2-7/8 (73.0)	9/16 (14.3)	13/32 (10.3)	1/4 (6.4)	3/64 (1.2)
31 – 60	2	2-3/4 (69.9)	3-3/8 (85.7)	3-5/8 (92.1)	4-5/16 (109.5)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 – 100	3	2-7/8 (73.0)	3-21/32 (92.9)	4-1/16 (103.2)	5 (127.0)	1 (25.4)	3/4 (19.1)	13/32 (10.3)	1/8 (3.2)
101 – 200	3	2-27/32 (72.2)	3-17/32 (89.7)	4-3/8 (111.1)	5-3/32 (129.4)	1-1/2 (38.1)	1 (25.4)	13/32 (10.3)	1/4 (6.4)
201 – 400	3	2-27/32 (72.2)	4-21/32 (118.3)	4-27/32 (123.0)	6-1/4 (158.8)	2 (50.8)	1-5/8 (41.3)	9/16 (14.3)	1/4 (6.4)
401 – 800	3	2-27/32 (72.2)	4-21/32 (118.3)	5-11/32 (135.7)	6-1/4 (158.8)	2-1/2 (63.5)	2 (50.8)	9/16 (14.3)	3/8 (9.5)

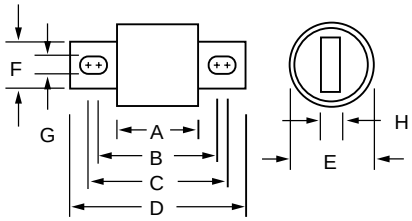


Fig. 3

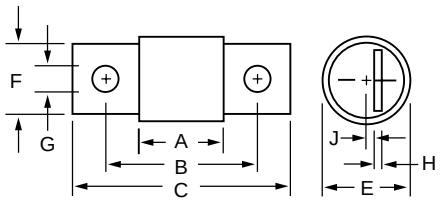


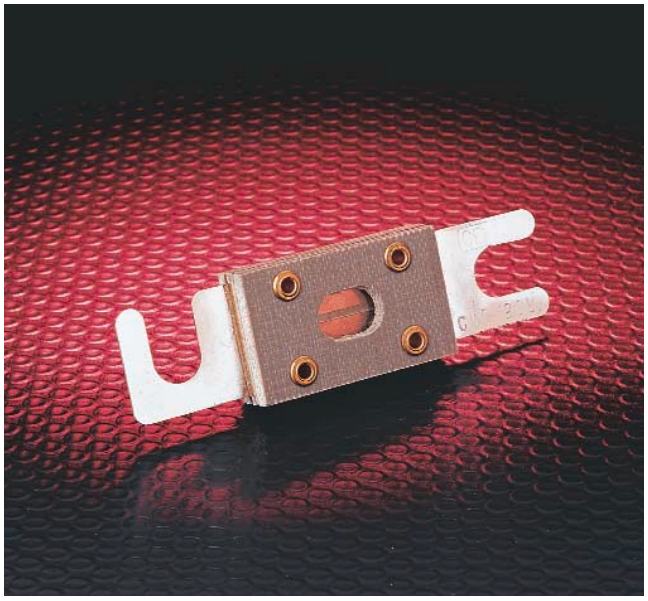
Fig. 4

Special Purpose Fuses

Fork-Lift and Stud-Mounted Fuses

32 – 130 Volts DC ▪ Fast-Acting and Time-Delay

Littelfuse POWR-GARD™ Products



CNL/CNN Limiter Fuses

CNL fast-acting and CNN very fast-acting fuses are recommended for use on battery-operated lift-trucks and other low voltage battery-operated equipment.

SPECIFICATIONS

Voltage Ratings: CNL: 32 Volts DC
CNN: 48 Volts DC, 75 Volts AC

Interrupting Rating: 2,500 amperes

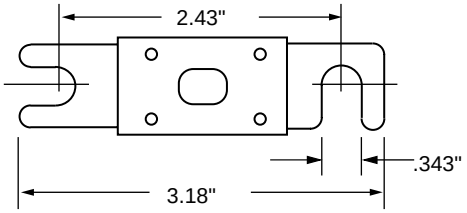
Ampere Range: 10 – 800 amperes

Recommended Fuse Block: LFFB001

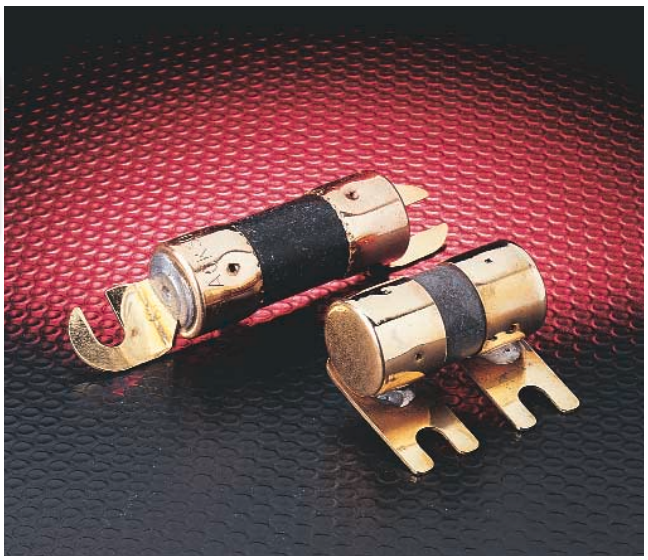
AMPERE RATINGS

CNL	35	80	150	250	350
	40	100	175	275	400
	50	125	200	300	500
	60	130	225	325	
CNN	10	80	175	300	500
	35	90	200	325	600
	40	100	225	350	700
	50	125	250	400	800
	60	150	275		

Example part number (series & amperage): CNN 700



Special Purpose Fuses



CBO/CCK/CCL Lift-Truck Fuses

CBO fast-acting, CCK and CCL dual-element time-delay fuses are recommended for fork-lift trucks and other similar battery-operated equipment.

PART NO.	A	B	C
CCK 1-15A	2.810	2.204	.510
CCK 20-30A	3.060	2.454	.510
CCK 35-60A	3.629		.750
CCK 70-120A	4.129	3.454	1.00
CCK 140-200A	4.362	3.579	1.00
CCK 225-300A	4.612	3.829	1.00
CCL 30-60A	3.060	2.454	.510
CCL 80-120A	3.38	2.70	.75

SPECIFICATIONS

Voltage Ratings: CBO: 32 Volts DC
CCK: 130 Volts DC (1-100A)
72 Volts DC (120-200A)
48 Volts DC (225-300A)
CCL: 125 Volts DC

Interrupting Rating: CBO, CCK & CCL: 10,000A

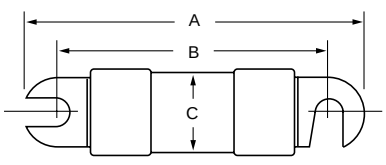
Ampere Range: 1 – 300 amperes

For operating characteristics contact factory

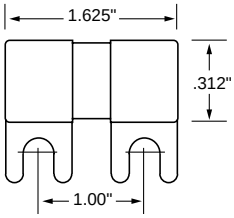
AMPERE RATINGS

CBO Fast-Acting	10	25	40	70	100
	12	30	50	75	125
	15	35	60	80	150
	20				
CCK Time-Delay	1	20	50	90	160
	2	25	60	100	175
	5	30	70	120	200
	10	35	75	140	225
	15	40	80	150	250
					300
CCL Time-Delay	30	40	60	100	
	35	50	80	120	

Example part number (series & amperage): CCK 150



CCK/CCL



CBO

Cable Limiters

600 Volts AC

Littelfuse POWR-GARD™ Products

Cable limiters are fusible devices that provide very fast short-circuit protection, primarily to faulted cables, but also to other conductors such as busway. Cable limiters do not have an ampere rating, and cannot be used to provide overload protection. Cable limiters are selected by cable size; for example, a 500 kcmil cable requires a 500 kcmil cable limiter. Their main use is to isolate faulted cables in circuits containing three or more parallel conductors per phase. They may be installed on the line side of the main service to provide short-circuit protection to the service conductors. This is especially important when service conductors are tapped from large low-voltage networks or from large low impedance transformers.

Cable limiters have terminals which permit them to be installed in a variety of equipment. The most common configuration is the offset blade on one end and the crimp terminal on the other end. This permits the limiter to replace a cable terminal (lug).

APPLICATIONS

Service entrance conductors

Between transformer or network bus and busway terminal boxes

Large feeders with three or more conductors per phase

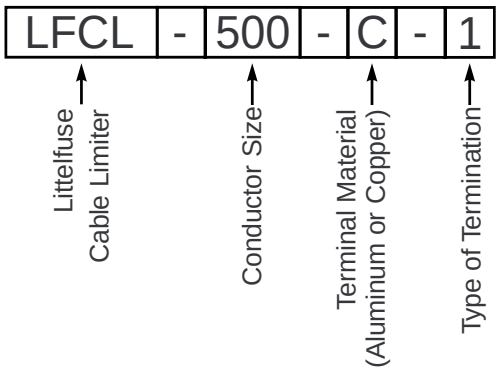
FEATURES

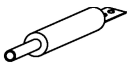
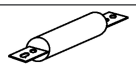
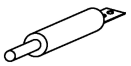
- Current-limiting characteristics provide protection to conductor insulation and reduce damage when faults occur.
- Properly applied cable limiters may permit the use of equipment with reduced withstand ratings
- Wide variety of terminations and cable ratings permit use in almost every situation.

SPECIFICATIONS

Voltage Rating: 600 volts AC
Interrupting Rating: 200,000 Amperes
Cable Size Range: 4/0 – 750MCM Copper or Aluminum
Minimum Operating Temperature: 80°C

ORDERING INFORMATION



DESCRIPTION			CATALOG NUMBER	
			Cable Type	
Type	Termination	Cable Size	COPPER	ALUMINUM
1	 Cable to Cable	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C1 LFCL250C1 LFCL350C1 LFCL500C1 LFCL750C1	LFCL4/0A1 LFCL250A1 LFCL350A1 LFCL500A1 LFCL750A1
3	 Cable to Offset Bus	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C3 LFCL250C3 LFCL350C3 LFCL500C3 LFCL750C3	LFCL4/0A3 LFCL250A3 LFCL350A3 LFCL500A3 LFCL750A3
5	 Straight Bus to Offset Bus	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C5 LFCL250C5 LFCL350C5 LFCL500C5 LFCL750C5	
6	 Mole to Cable	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C6 LFCL250C6 LFCL350C6 LFCL500C6 LFCL750C6	LFCL4/0A6 LFCL250A6 LFCL350A6 LFCL500A6 LFCL750A6
8	 Mole to Offset Bus	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C8 LFCL250C8 LFCL350C8 LFCL500C8 LFCL750C8	

Contact factory for shrink tubing availability.

British Dimension HRCII-C Fuses

600 Volts AC ■ 2 – 600 Amperes

Littelfuse POWR-GARD™ Products

HRCII-C fuses are stud-mounted fuses designed to British standard dimensions. They are generally used for motor short circuit protection in dead-front holders, and are normally required to be used in conjunction with a motor running overload device.

SPECIFICATIONS

Voltage Rating: 600 Volts AC, 250 Volts DC

Interrupting Rating: 200,000 amperes rms symmetrical AC
80,000 amperes rms symmetrical DC

Ampere Range: 2 – 600 amperes

Approvals: CSA Certified to Standard C22.2 No. 106-M90 (File No. LR90341)

AMPERE RATINGS

2CO	2	10	25	50	80
	4	15	30	60	100
	6	20	40		
2CC	125	200	300	400	500
	150	250	350	450	600
2CM	80	125	200	300	400
	100	150	250	350	

Example part number (series & amperage): 2CM 150

RECOMMENDED FUSE BLOCKS

DF30 (F, B, FB) — Fits 2 – 30 amps
DF60 (F, B, FB) — Fits 40 – 60 amps
DF100 (F, B, FB) — Fits 80 – 100 amps

For additional information on HRCII-C fuse holders, contact factory.

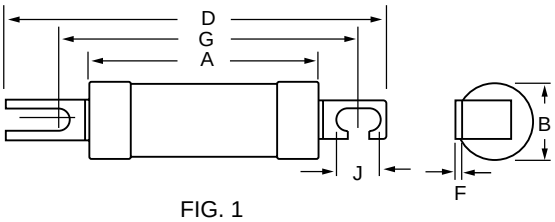


FIG. 1

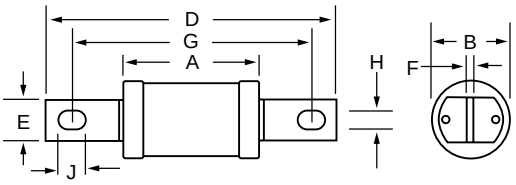


FIG. 2

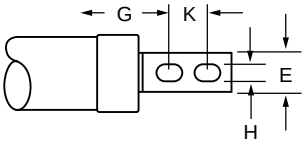


FIG. 3

CAT. NO.	OLD LF PART NO.	REFER TO FIG. NO.	DIMENSIONS IN MM (Inches in parentheses)									
			A	B	C	D	E	F	G	H	J	K
2CO 2-30	FII	1	56 (2.2)	21 (0.83)	—	85 (3.3)	9 (0.35)	1 (0.04)	73 (2.87)	5.5 (0.21)	7.5 (0.29)	—
2CO 40-60	FII	1	57 (2.24)	26 (1.02)	—	88 (3.45)	13 (0.51)	1.6 (0.06)	73 (2.87)	5.5 (0.21)	7.5 (0.29)	—
2CO 80-100	FII	1	68 (2.88)	36 (1.42)	—	110 (4.33)	19 (0.75)	2.4 (0.09)	94 (3.7)	8.7 (0.34)	—	—
2CC 125-200	FIIC	2	76 (3)	41 (1.61)	—	137 (5.39)	19 (0.75)	3.6 (0.14)	111 (4.37)	8.7 (0.34)	16 (0.63)	—
2CC 250-400	FIIC	3	81 (3.19)	58 (2.28)	—	210 (8.27)	26 (1.02)	6.5 (0.26)	133 (5.24)	10.3 (0.4)	16 (0.63)	25.4 (1)
2CC 450-600	FIIC	3	83 (3.27)	74 (2.91)	—	210 (8.27)	26 (1.02)	6.5 (0.25)	133 (5.24)	10.3 (0.4)	16 (0.63)	25.4 (1)
2CM 80-100	FIIM	2	66 (2.6)	31 (1.22)	—	135 (5.31)	19 (0.75)	3.6 (0.14)	111 (4.37)	8.7 (0.34)	16 (0.63	—
2CM 125-200	FIIM	1	77 (3.03)	41 (1.81)	—	110 (4.33)	19 (0.75)	2.4 (0.09)	94 (3.7)	8.7 (0.34)	10.3 (0.4)	—
2CM 250-400	FIIM	2	81 (3.19)	58 (2.25)	—	136 (5.35)	26 (1.02)	5.2 (0.2)	111 (4.37)	8.7 (0.34)	16 (0.63)	—

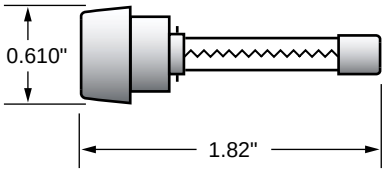
*Hole diameter to accept insulated stud (types C and D) mm min

LGR/LMF In-Line Fuses
LHR Holder

LGR Fuses

Fast Acting ■ 300 VAC

Used as in-line protection for fluorescent fixtures, this fast acting fuse is ideal for increasing the safety and reliability of lighting fixtures.



SPECIFICATIONS

Voltage Rating: 300 volts AC

Maximum Interrupting Rating: 10,000A

Approvals: Standard 248-14,
UL Listed (File No: E10480)
CSA Certified (File No: LR29862)

AMPERE RATINGS

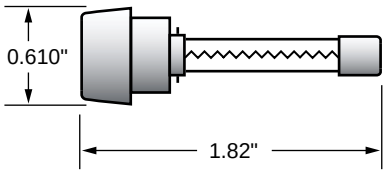
½	2	5	9
1	2½	6	10
1½	3	7	12
1 9/10	4	8	15

Example part number (series & amperage): LGR 1-1/2

LMF Fuses

Time-Delay ■ 300 VAC

Perfect for use in lighting systems, this 300 VAC time-delay fuse is designed to handle ballast transformer inrush currents.



SPECIFICATIONS

Voltage Rating: 300 volts AC

Maximum Interrupting Rating: 10,000A

Approvals: Standard 248-14,
UL Listed (File No: E10480)
CSA Certified (File No: LR29862)

AMPERE RATINGS

3/10	9/10	1 6/10	2 9/10	4	7
½	1	2	3	5	8
6/10	1¼	2½	3 2/10	6¼	10

Example part number (series & amperage): LMF 2-1/2

Special Purpose Fuses

LHR Fuse Holder

Used as in-line protection for fluorescent fixtures, the Littelfuse LGR and LMF series fuses and LHR holder offer increased safety and reliability to lighting systems. On a 277 volt system, a fault occurring in an un-fused fixture could take out the entire branch circuit affecting up to 100 fixtures. This could cause safety problems as well as shut down operations.

By individually fusing fixtures, these problems will be avoided. The added benefits of this is the ability to quickly identify the problem fixture and reduce the repair time.

Fuse holders are rated up to 10 amperes at 300 volts and are equipped with 7" 18 AWG leads. Order part number LHR 000 for two leads, and part number LHR 001 for one lead and one terminal for insertion of 18 AWG ballast lead.

SPECIFICATIONS

Voltage Rating: 300 volts AC

Ampere Rating: LHR 000: 10A
LHR 001: 10A

Approvals: UL Recognized

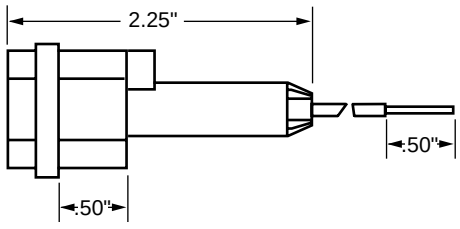
Flammability Rating: 94VO

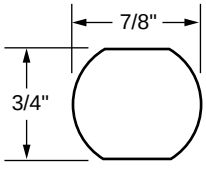
Example part number: LHR 000

MOUNTING INFORMATION

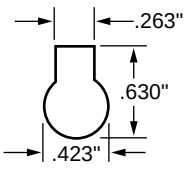
LHR 001/LHR 000 will fit keyhole punch or .875" knock-out hole. Anti-rotation feature is provided when used with keyhole punch.

A "U-shaped" clip is available for panel mounting (packaged 10 clips per bag): Order part number LHR OCA.





Knock-out Hole



Keyhole Punch