Midget Fuses Supplementary Overcurrent Protection

1/2 Littelfuse POWR-GARD[™] Products

10



KLK Fuses FAST-ACTING = 600 VAC

Fast-acting, high-interrupting capacity, current-limiting type fuse. Especially suited for control circuits, street lighting, H.I.D. lighting, computers, and other applications without high inrush currents.

Voltage Rating: 600 Volts AC 500 Volts DC

0.000 In ar

terrupting Rating: UL Listed	100
nperes rms symmetrical	
anable of 200,000 amperes)	

FAST-ACTING = 600 VAC/DC Fast-acting, high-interrupting capacity,

Voltage Rating: 600 Volts AC/DC

TIME-DELAY = 250 VAC Use FLM 250 volt time-delay fuses to

Voltage Rating: 250 Volts AC

Interrupting Rating: AC: 10,000 amperes

protect control circuit transformers, solenoids, and other circuits with high inrush currents. Excellent for supplemental protection of small motors. For motor branch-circuit protection, See Class

current-limiting type fuse. Especially suited for DC control circuits, street lighting, H.I.D. lighting, computers, and other applications.

Interrupting Rating: AC: 100,000 amperes rms symmetrical; DC: 10,000 amperes

(Capable of 200,000 amperes)

KLKD Fuses

FLM Fuses

CC fuses.

rms symmetrical.

	3		
1/10	1	4	
1/8	1½	5	

Ampere Ratings:

1/8	1½	5	12
⅔0	2	6	15
1/4	2½	7	20
3/10	3	8	25
1/2	3½	9	30
3/4			
Approvals:	Stand	lard 248-14	
	ULLi	sted 3/10-30A	

(File No: E10480) CSA Certified 3/10-30A (File No: LR29862) Versions available to meet MIL-F-5160/60, QPL F60C: Contact Factory. Dimensions: 13/32" x 1-1/2"

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

Ampere R	atings:		
1/10	1	4	10
1/8	1½	5	12
‱%	2	6	15
1/4	2½	7	20
3/10	3	8	25
1/2	3½	9	30
3/4			
Approvals	: Standa	rd 248-14	Ļ
	UL List	ed 3/10-3	0A
		o: E10480	
	CSA C	ertified 3/	10-30A
	(File N	o: LR2986	62)
Dimensior	1s: 13/32	" x 1-1/2"	
Example part	t number (s	eries & amp	erage): KLKD 30
	- 11		

Ampere Ra	tinas:		
1/10	1%	3	7
15/100	1¼	3%10	8
% 10	1 ⁴ /10	3½	9
1/4	1½	4	10
3/10	1 %	4½	12
1/10	1 %o	5	15
1/2	2	5%	20
%10	2¼	6	25
8/10	2½	6¼	30
1	2 ⁸ /10		
Approvals:		(File No: E ified	10480)
Dimensions	s: 13/32" x	1-1/2" ´	
Evample part	numbar (sari	se & amnora	ap): ELM 15

FLQ Fuses TIME-DELAY = 500 VAC

These 500 volt time-delay fuses provide excellent supplemental protection of control power transformers, solenoids, and circuits with high inrush currents. UL and CSA 500 volt ratings permit use on 480 volt circuits. FLQ fuses also provide supplemental protection to small motors. For motor branch-circuit protection, see Class CC fuses.

Voltage Rating: 500 Volts AC

Interrupting Rating: 10,000 amperes rms symmetrical

RECOMMENDED FUSE BLOCKS

Ampere Ratings:

8/10

1

1/10

1/8

L60030M series. Refer to Fuse Block section of this catalog for additional information.

Midget & Electronic

Fuses

Example part number (series & amperage): FLM 15

3%

3½

8

9

15/100 1% 4 10 ⅔6 11/4 4½ 12 ⅔0 1½ 5 14 1/4 1% 5% 15 ⅔10 2 6 20 4/10 2¼ 25 61/4 1/2 21/2 7 30 %10 3 Standard 248-14 Approvals: UL Listed (File No: E10480) CSA Certified (File No: LR29862) Dimensions: 13/32" x 1-1/2" Example part number (series & amperage): FLQ 1/2

Midget Fuses Supplementary Overcurrent Protection

1/2 Littelfuse

POWR-GARD[™] Products



uses

BLN Fuses FAST-ACTING = 250 VAC

Fiber tube, 250 volt BLN fuses provide lowcost protection for military applications and control circuits.

Voltage Rating: 250 Volts AC

BLF Fuses

Interrupting Rating: 10,000 amperes rms symmetrical

Ampere Ratings:

1	5	10	20
2	6	12	25
3	8	15	30
4			

Approvals: Standard 248-14 UL Listed (File No: E10480) CSA Certified (File No: LR29862) Versions available to meet MIL-F-15160/9, QPL F09A: Contact Factory Dimensions: 13/32" x 1-1/2' Example part number (series & amperage): BLN 30

Ampere Ratings:

1/2	3	7	15
1	4	8	20
1½	5	9	25
2	6	10	30
2½	6¼	12	

Approvals: Standard 248-14 UL Listed (File No: E10480) CSA Certified (File No: LR29862) Dimensions: 13/32" x 1-1/2"

BLS Fuses FAST-ACTING = 250/600 VAC

BLS fuses are 1-3/8" long in contrast to other midget fuses which are 1-1/2". They provide space-saving, low-cost, protection to street lighting, metering, control and electronic circuits.

Voltage Rating: 600 Volts AC: 2/10 - 5 amperes; 250 Volts AC: 6 - 10 amperes

Interrupting Rating: 10,000 amperes rms symmetrical

FLA fuses are 125 volt, pin-indicating timedelay fuses for protection of control circuit transformers, solenoids, and other circuits with high inrush currents. Metal indicating pin "pops-out" when fuse opens. Pin gives visual indication of open fuse. Use FLA fuses in conjunction with special fuseblocks to operate mechanical signal switches or energize alarm circuits. Fuses rated 12 amperes and above

Interrupting Rating: 10,000 amperes rms

TIME-DELAY = 125 VAC

have dual-tube construction.

symmetrical

Voltage Rating: 125 Volts AC

FLA Fuses

Ampere Ratings:

⅔10	1	2	6
1∕10	1½	3	7
1/2	1 %	4	8
3/4	1%10	5	10
8/10			

Approvals: Standard 248-14 UL Listed 1/2-5 Amps (File No: E10480) CSA Certified 1/2 - 5 Amps (File No: LR29862) Dimensions: 13/32" x 1-3/8" Example part number (series & amperage): BLS 10

Ampere Ratings:

1/10	1%	2 [%] 10	6¼
15/100	1¼	3	7
⅔10	1 ⁴ /10	3%10	8
1/4	1½	3½	10
3/10	1%	4	12 *
1∕10	1 %	4½	15 *
1/2	2	5	20 *
%10	21/4	5%	25 *
8/10	2½	6	30 *
1			

Approvals: Standard 248-14 UL Listed (File No: E10480) CSA Certification Pending Dimensions: 13/32" x 1-1/2' * Note: Dual tube construction Example part number (series & amperage): FLA 15

RECOMMENDED FUSE BLOCKS

L60030M series. Refer to Fuse Block section of this catalog for additional information.

FAST-ACTING = 125/250 VAC Laminated tube BLF fuses are the lowest price midget fuse. They are suitable for control circuit and instrument protection in dry locations. Voltage Ratings: 250 Volts AC: 1/2 – 15

amperes; 125 Volts AC: 20 - 30 amperes Interrupting Rating: 10,000 amperes rms symmetrical

Example part number (series & amperage): BLF 5

Midget Fuses

Supplementary Overcurrent Protection



Midget & Electronic

Fuses



KLQ Series Fuses

The Littelfuse KLQ series is designed to protect gaseous vapor fixtures, HID ballasts, and other electronic and lighting circuits. The KLQ is the same physical size as the Littelfuse BLS, but has more time delay to handle transient and inrush currents.

SPECIFICATIONS

Voltage Rating: 600VAC Interrupting Rating: 10,000 amperes Ampere Range: 1 – 6 amperes Approvals: Standard 248-14 UL Listed (File No: E10480) Dimensions: 13/32" x 1-3/8"

AMPERE RATINGS

1	2	4	6
1-6/10	3	5	

RECOMMENDED FUSE BLOCKS

L60030M Series. Refer to Fuse Block section of this catalog for additional information.

ORDERING INFORMATION

Example catalog number: KLQ005 Example system number: 0KLQ005.T

CROSS REFERENCE

Littelfuse	Buss	Ferraz-Shawmut
KLQ	KTQ	_



SPECIFICATIONS

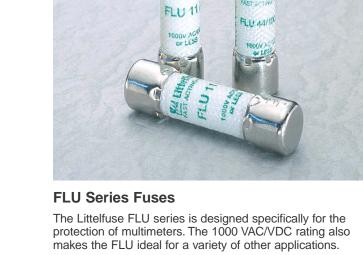
Voltage Rating: 1000 VAC/VDC Interrupting Rating: 44/100A: 10kA 11A: 20kA Ampere Range: 44/100 and 11 amperes Approvals: UL Recognized under the components program. (File No: E10480) CSA Certified (File No: LR29862) Dimensions: 44/100A: 13/32" x 1-3/8" 11A: 13/32" x 1-1/2"

ORDERING INFORMATION

Example catalog number: FLU011 Example system number: 0FLU011.T

CROSS REFERENCE

Littelfuse	Buss	Ferraz-Shawmut
FLU	DMM	—



Midget Fuses

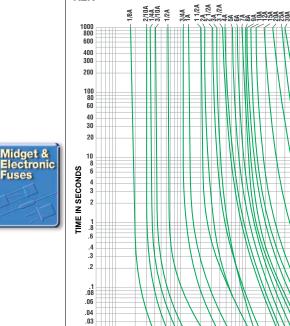
KLK

.02

.01

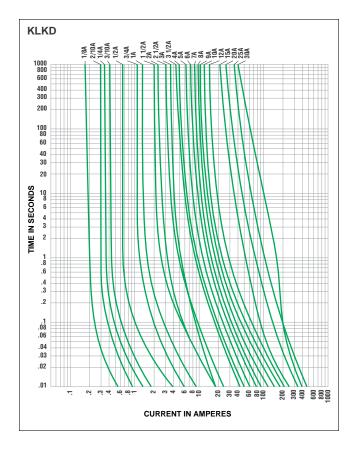
Supplementary Overcurrent Protection

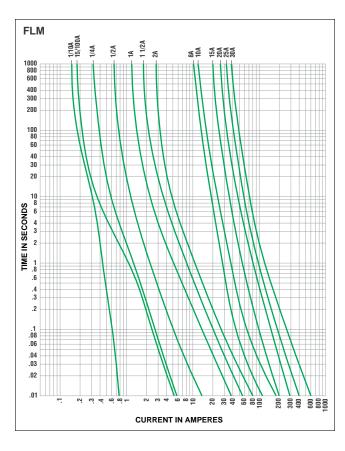
Littelfuse POWR-GARD[™] Products

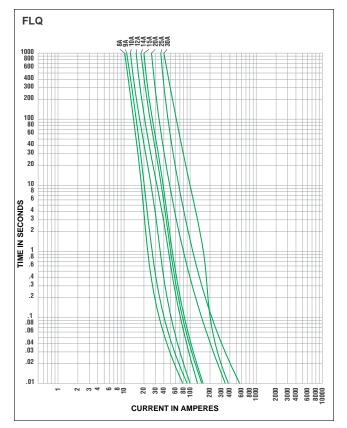


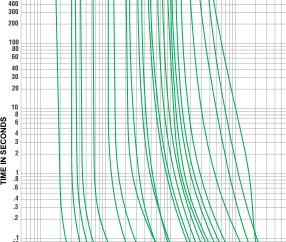
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20 20 60 100 80 100 100 100

유무

CURRENT IN AMPERES

3AG/3AB Type









312/318 Series 3AG FAST-ACTING FUSE

Fast-acting protection of electronic equipment and appliances. The "standard" fast-acting, glass tube fuse.

Voltage Rating: 250V: 1/100 – 10A. **32V:** 12 – 35A.

Ampere Ratings: 1/100 0.175 1/2 1% 4 1/32 5 3/16 8/10 1¾ 1/16 ⅔10 3/4 2 6 1/10 1/4 1 21/4 7 1/8 ⅔10 11/4 2½ 8 15/100 3/2 1½ 3 10

12

15

20

25

30

35

Approvals: Standard 248-14, UL Listed 1/100-10 Amps and UL Listed 12 – 30 Amps per Standard UL 275. CSA Certified through 30 Amps.

Dimensions: 1/4" x 1-1/4" (6.4 x 31.8mm) For fuses with axial leads, request 318 series. Order 312 series without leads.

Example part number (series & amperage): 312.375

314/324 Series 3AB FAST-ACTING FUSE

Similar to 312 series, but ceramic tube permits additional ampere ratings: 250 volt ratings through 20 amps, and 125 volts through 30 amps. **Voltage Rating: 250V:** 1/8 – 20A. **125V:** 25 – 30A.

Ampere Ratings

Amper	e Rating	s:			
1/8	3/4	3	6	10	20
1/4	1	4	7	12	25
3/8	2	5	8	15	30
1/2					

Approvals: Standard 248-14, UL Listed and CSA Certified 1/8 – 15 Amps. UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program 20 – 30 Amps. Approved by MITI from 10 – 30 Amps. Dimensions: 1/4" x 1-1/4" (6.4 x 31.8mm) For fuses with axial leads, request 324 series. Order 314 series without leads.

Example part number (series & amperage): 324.375

313/315 Series 3AG SLO-BLO[®] FUSE

313 and 315 series fuses have time-delay in the overload range, which provides superior protection for inductive loads such as motors, transformers, and solenoids.

Voltage Rating: 250V: 1/100 – 8A. 32V: 10 – 30A. Ampere Ratings:

	5				
1/100	0.175	1/2	1¼	21/10	8
1/32	3/16	%10	1½	3	10
4/100	⅔0	74o	1%	3 ² /10	12
1/16	1/4	3/4	1%	4	15
1/10	3/10	‱%10	2	5	20
1/8	3/8	1	2¼	6¼	25
¹⁵ /100	⁴∕ 10	1 %	2½	7	30

Approvals: Standard 248-14, UL Listed and CSA Certified 1/100-8 Amps. UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program 10 – 30 Amps. MITI approved 1 – 5 Amps. Dimensions: 1/4" x 1-1/4" (6.4 x 31.8mm)

For fuses with axial leads, request 315 series. Order 313 series without leads.

Example part number (series & amperage): 313.500

326/325 Series 3AB SLO-BLO® FUSE

The 326 series fuse has time-delay similar to the 313 series, but the ceramic body permits higher voltage ratings for the 8 - 30 ampere sizes and faster opening of short circuits.

Voltage Rating: 250V: 1/100 – 20A. **125V**: 25 – 30A.

mpere l	Rating	s:			
1/100	3/16	%10	1½	4	15
1/32	⅔10	7/10	1%	5	20
1/16	1/4	3/4	2	6¼	25
1/10	3/10	%10	2½	7	30
1/8	3/8	1	21/10	8	
15/100	1/10	1%	3	10	
0.175	1/2	1¼	3%	12	

Approvals: Standard 248-14, UL Listed 1/4 – 10 Amps. UL Recognized under the Components Program 12-30 Amps. CSA Certified 1/4 – 30 Amps.

Dimensions: 1/4" x 1-1/4" (6.4 x 31.8mm) For fuses with axial leads, request 325 series. Order 326 series without leads.

Example part number (series & amperage): **326012**



Indicating Types









ask-for atol





2AG SLO-BLO® INDICATING FUSE

2AG indicating fuses instantly identify themselves upon opening by showing a discoloration of their glass bodies. Guesswork and timeconsuming circuit testing is eliminated. This unique design offers the same quality performance characteristics as the standard 2AG fuse design.

Voltage Rating: 250V: ¼ – 3½A; 125V: 4 – 7A Ampere Ratings:

1/4	%10	1	2	3	5
.350	3/4	1¼	21⁄4	3½	6
3/8	8/10	1½	2½	4	7
1/2					

Approvals: Standard 248-14, UL Listed and CSA Certified $1/4 - 3 \cdot 1/2$ Amps. UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program 4 - 7 Amps.

Dimensions: .177" x .57" (4.5 x 14.5mm) For fuses with axial leads, request 230___S series. Order 229___S series without leads. *Example part number (series & amperage):* **22902.5S**

313 Series 3AG SLO-BLO[®] INDICATING FUSE

3AG indicating fuses instantly identify themselves upon opening by showing a discoloration of their glass bodies. Guesswork and timeconsuming circuit testing is eliminated. This unique design offers the same quality performance characteristics as the standard 3AG

fuse design. Voltage Rating: 250V: ½ – 8A. 32V: 10A. Ampere Ratings:

	•				
1/2	1½	3	5	7	10
1	2	4	6¼	8	

Approvals: Standard 248-14, UL Listed and CSA Certified 1/2 – 8 Amps. The 10 Amp is UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program.

Dimensions: 1/4" x 1-1/4": (6.4 x 31.8mm) Example part number (series plus amperage, followed by "ID"): 313007 ID

334 Series 3AB FAST-ACTING PIN INDICATING 3AB Pin Indicating fuses provide visual indication

and may be used to activate an alarm circuit. Indicating Pin extends a minimum of 3/16" from the end of the fuse when the fuse is blown.

Voltage Rating: 125V: [%] –6A.								
Amper	e Ratings	s:						
3/4	1½	3	5					
1	2	4	6					

Approvals: Standard 248-14, UL Listed: 3/4 – 5 Amps.
Dimensions: 1/4" x 1-1/4"
Order 334 series for silver indicating pin.
Example part number (series & amperage): 334004



481 Series

FAST-ACTING INDICATING/ALARM FUSE

For telecommunications equipment and similar applications. Color-coded indicator flags indicate ampere rating. Body is constructed of black polyphenylene sulfide with UL 94V0 flammability rating, contacts are of bright alloy-plated beryllium copper.

Voltage Rating: 125V AC, DC

Ampere	Ratings	5:			
¹⁸ /100	⁶⁵ /100	1½	3	5	12
1/4	3/4	1½	3½	7½	15
1/2	1	2	4	10	

Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program. Example part number (series & amperage): 481005 Recommended Fuse Blocks:

Part Number 482001.

54

5 x 20mm IEC Type



215 Series (Type T) 5 X 20MM SLO-BLO® FUSE

Time-delay protection of electronic equipment and appliances when fuses to International Standards are required. Replacement fuses for foreign equipment.

Voltage Rating: 250V AC

Ampere	Ratings:				
.200	.400	.800	1.6	3.16	6.3
.250	.500	1	2	4	8*
.315	.630	1.25	2.5	5	10*
*Available	e but not i	nclude	d in Inter	national	

Standards

Interrupting Capacity: 1500A

Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program. SEMKO, VDE, and BSI approved 1 - 6.3 Amps. MITI approved 1 - 10 Amps.

🖊 Littelfuse

POWR-GARD[™] Products

Design Standards: Meets IEC 60127-2, Sheet 5 Specification for Time Lag fuses.

Dimensions: 5mm x 20mm (.2 x .79 in.) Example part number (series & amperage): 215.315





Fast-acting protection of electronic equipment and appliances when fuses to International Standards are required. Replacement fuse for foreign equipment.

Voltage Rating: 250V AC no Dotin Δ

217 Series (Type F)

for foreign equipment.

Voltage Rating: 250V AC

mpere	Ratings				
.050	.125	.315	.800	2	5
.063	.160	.400	1	2.5	6.3
.080	.200	.500	1.25	3.15	8*
.100	.250	.630	1.6	4	10*

*Available but not included in International Standards.

5 X 20MM FAST-ACTING FUSE Fast-acting protection of electronic equipment

and appliances when fuses to International

Standards are required. Replacement fuse

.315

.400

.500

.630

.800

1.25

1.6

1

2

4

2.5

3.15

5

6.3

10*

15

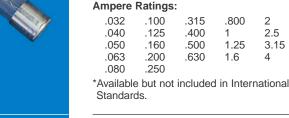
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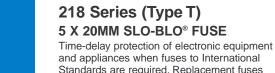
Interrupting Capacity: 1500A

Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program. SEMKO and VDE approved through 6.3 Amps. BSI approved 1 - 6.3 Amps.

Design Standards: Meets IEC 60127-2, Sheet 1 Specification for Fast-Acting Fuses. Dimensions: 5mm x 20mm (.2 x .79 in.) Example part number (series & amperage): 216.200







Standards are required. Replacement fuses for foreign equipment. Voltage Rating: 250V AC

An

mpere	Ratings				
.032	.100	.315	.800	2	5
.040	.125	.400	1	2.5	6.3
.050	.160	.500	1.25	3.15	8*
.063	.200	.630	1.6	4	10*
.080	.250				15*
wailable	but not	includes	l in Intor	antional	

*Available but not included in International Standards.

Interrupting Capacity: 35A or 10x rated current, whichever is greater. Approvals: UL Recognized under the

Components Program and CSA Recognized under the Component Acceptance Program. SEMKO and VDE approved through 6.3 Amps. BSI approved 0.4 - 6.3 Amps.

Design Standards: Meets IEC 60127-2, Sheet 2 Specification for Fast-Acting Fuses.

Dimensions: 5mm x 20mm (.2 x .79 in.) Example part number (series & amperage): 217.050

Interrupting Capacity: 35A or 10X rated current, whichever is greater. Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program. SEMKO and VDE approved through 6.3 Amps. BSI approved 0.8 - 6.3 Amps. Design Standards: Meets IEC 60127-2, Sheet 3 Specification for Time Lag Fuses. Dimensions: 5mm x 20mm (.2 x .79 in.)

Example part number (series & amperage): 218.630

218 Series (Type T) 5 X 20MM SLO-BLO® FUSE

Downloaded from Elcodis.com electronic components distributor

5 x 20mm and 2AG Type







uses





235/236 Series **5 X 20MM FAST-ACTING FUSE**

5 x 20mm fuses designed to UL and CSA standards. Fast-Acting protection of electronic equipment appliances.

Voltage	Rating	250V: 1/	₀ – 3A. 1	25V: 4 –	6A.
Ampere	Rating	s:			
1/10	3/10	%10	1	2	4

/10	/10	/10		~	4
1/8	4∕10	7/10	1¼	2½	5
⅔0	1/2	8/10	1%	3	6
1/4					

Approvals: Standard 248-14. UL Listed and CSA Certified. MITI approved 1 - 5 Amps. Dimensions: 5mm x 20mm (.2 x .79 in.) For fuses with axial leads, request 236 series. Order 235 series without leads. Example part number (series & amperage): 235.600

239/238 Series

5 X 20MM SLO-BLO® FUSE

5 x 20mm fuses designed to UL and CSA standards. For protection of electronic equipment and appliances.

Voltage Rating: 250V: % - 3A. 125V: 4A. Ampere Ratings:

⅔0	4∕10	7/10	1	2	4
1/4	1/2	3/4	1¼	2½	5
3/10	%10	8/10	1 %	3	

Approvals: Standard 248-14, UL Listed and CSA Certified. MITI approved 1 – 5 Amps. Dimensions: 5mm x 20mm (.2 x .79 in.) For fuses with axial leads, request 238 series. Order 239 series without leads. Example part number (series & amperage): 239.400

225/224 Series **2AG FAST-ACTING FUSE**

Fast-acting performance of the 312, 3AG fuses in less than one-third the space. For protection of electronic equipment and appliances.

Voltage Rating: 250V: 1/10 - 31/2A. 125V: 4 - 10A Ampere Ratings:

1/10	3/8	1	2½	4	7
1/8	1/2	1½	3	5	8
1⁄4	3/4	2	3½	6	10

Approvals: Standard 248–14, UL Listed and CSA Certified. 224 series approved by MITI 1 - 5 Amps. Dimensions: 2AG Fuse .177" x .57" (4.5 x 14.5mm)

For fuses with axial leads, request series number 224. Order 225 series without leads.

Example part number (series & amperage): 224.500



229/230 Series **2AG SLO-BLO® FUSE**

229 series 2AG fuses have time-delay of 313 series 3AG fuses in less than one-third the space. They provide superior protection for inductive loads such as motors, transformers, and solenoids. Use whenever time-delay fuses are indicated.

Voltage Rating: 250V: ¼ – 3½A. 125V: 4 – 7A. Ampere Ratings:

1/4	%0	1½	2½	4	6
3⁄8	3/4	2	3	5	7
1/2	1	21⁄4	3½		

Approvals: Standard 248-14, UL Listed and CSA Certified 1/4 – 3-1/2 Amps. UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program 4 – 7 Amps.

Example part number (series & amperage): 229.375

56

Subminiature Type





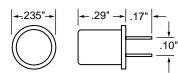
272/278 Series FAST-ACTING MICROFUSE

Fast-acting Microfuses for protection of printed circuit boards and similar equipment. Voltage Rating: 125V AC

voltage	Rating. 1200	
Ampere	Ratings:	

unpoi e	, i ca i i i g	0.			
1/500	1/32	1/8	4/10	3/4	2
1/200	1/20	2/10	1/2	8/10	3
1/100	1/16	1/4	%10	1	4
1/64	1/10	3/10	7/10	1½	5

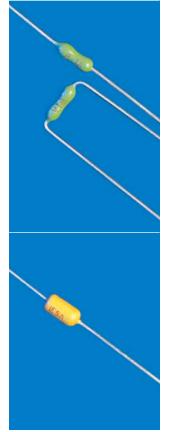
Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program. For data on 262 and 268 series High Reliability (Hi-Rel) microfuses, request Electronic Catalog.



Note: 278 series has 1" leads Example part number (series & amperage): 27201.5







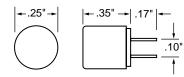
273/279 Series FAST-ACTING MICROFUSE

Similar to 272 and 278 series, except has transparent cap for visual indication of fuse status. **Voltage Rating:** 125V AC

Ampere Ratings:

, itaning	J.			
1/32	1/8	⁴ / ₁₀	3/4	2
1/20	² / ₁₀	1/2	⁸ / ₁₀	3
1/16	1/4	°/10	1	4
1/10	3/10	⁷ / ₁₀	1½	5
	1/32 1/20 1/16 1/	1_{20} 2_{10} 1_{16} 1_{4} 1_{1} 3_{1}	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program.



Note: 279 series has 1" leads Example part number (series & amperage): 273002

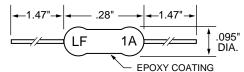
251/252 Series FAST-ACTING PICO®II FUSE

Subminiature fuse for soldered mounting on printed circuit boards. Available on tape and reel for automatic insertion.

Voltage Rating: 125V: $\frac{1}{16}$ – 10A. **32V:** 12 – 15A. **Ampere Ratings:**

	5				
1/16 1/8 1/4	3/8	1	$2\frac{1}{2}$	4	10 12 15
1/8	1/2 3/4	1½	3	5	12
1/4	3/4	2	3½	7	15

Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program. Example part number (series & amperage): 251.125.



Order 252 series for radial leads. To order PICO II fuses with ampere ratings color-coded, order 255 series for axial leads and 256 for radial leads.

For data on 265 and 266 series High Reliability (Hi-Rel) Picofuses, request Electronic Catalog. For information on PICO II 250V fast-acting fuses, contact factory.

473 Series SLO-BLO® PICO®II FUSE

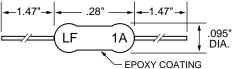
Subminiature time-delay fuse for soldered mounting on printed circuit boards. Available on tape and reel for automatic insertion. Request bulletin PB-1027 for further information. **Voltage Rating:** 125V AC

Ampere Ratings

Ampere	e Ratings	s:			
3/8	1	2	2 ¹ / ₂	3½	5
1/2	1½	2¼	3	4	7
3/4					

Approvals: UL Recognized under the Components Program and CSA Recognized under the Component Acceptance Program. MITI approved 1 - 5 Amp.





Automotive Fuses

SFE and Blade Type





307/SFE Series FAST-ACTING FUSE

Low-voltage fuse for automotive and electronic applications.

Voltage Rating: 32V AC/DC

Ampere Ratings/Dimensions:

Ampere Rating	Length	Diameter
4	5/"	1/4"
6	3/4"	1/4"
7 ¹ / ₂	7/8"	1/4"
9	7/8"	1/4"
14	1 ¹ / ₁₆ "	1/4"
20	1¼"	1/4"
30	1 ⁷ / ₁₆ "	1/4"

Approvals: UL Listed under UL Standard #275. Society of Automotive Engineers (SAE) J554. Example part number (series & amperage): 307006

ATO[®]/257 Series FAST-ACTING FUSE

The 257 series ATO fuse is a low-voltage blade type fuse for automotive and electronic applications. Designed, originated and patented by Littelfuse, it has become the standard for OEM circuit protection on foreign and domestic autos and trucks. They are color-coded and readily identifiable and may be specified for a variety of low voltage applications.

Voltage Rating: 32V AC/DC

Approvals: UL Listed. CSA Certified 3 – 30 A. Society of Automotive Engineers (SAE) J1284. Example part number (series & amperage): ATO015

Catalog No.	Amp. Rating	Volt. Rating	Color Code
ATO 001	1	32	Black
ATO 002	2	32	Grey
ATO 003	3	32	Violet
ATO 004	4	32	Pink
ATO 005	5	32	Tan
ATO 07.5	7 1/2	32	Brown
ATO 010	10	32	Red
ATO 015	15	32	Blue
ATO 020	20	32	Yellow
ATO 025	25	32	Natural
ATO 030	30	32	Green
ATO 040	40	32	Orange

MIN/297 Series MINI® FAST-ACTING FUSE

The MINI[®] fuse is smaller than its predecessor, the ATO[®] fuse, which permits using more fuses in the same amount of space. More fuses in the same space satisfies the requirement that more circuits be individually fused in newer automobiles. Patented by Littelfuse.

Approvals: UL Listed. Society of Automotive

Example part number (series & amperage): MIN025

Catalog No.	Amp. Rating	Volt. Rating	Color Code
MIN 002	2	32	Grey
MIN 003	3	32	Violet
MIN 004	4	32	Pink
MIN 005	5	32	Tan
MIN 07.5	7 1/2	32	Brown
MIN 010	10	32	Red
MIN 015	15	32	Blue
MIN 020	20	32	Yellow
MIN 025	25	32	Natural
MIN 030	30	32	Green



MAX/299 Series MAXI™ SLO-BLO[®] FUSE

Voltage Rating: 32V AC/DC

Engineers (SAE) J2077.

The patented MAXITM Fuse is available in a higher range of amperage ratings (20 - 80 amperes) than the ATO[®] or MINI[®] fuses, and is physically larger in size. It is color-coded for easy identification. A typical MAXI Fuse application in today's more sophisticated automobile circuits is protection of the wiring harness by replacing the fusible wire or fusible link, which is often a plain piece of small wire.

Voltage Rating: 32V AC/DC

Approvals: UL Listed. Society of Automotive Engineers (SAE) J1888. Example part number (series & amperage): MAX070

Catalog No.	Amp. Rating	Volt. Rating	Color Code
MAX 020	20	32	Yellow
MAX 030	30	32	Green
MAX 040	40	32	Orange
MAX 050	50	32	Red
MAX 060	60	32	Blue
MAX 070	70	32	Tan
MAX 080	80	32	Natural

Midget & Electronic Fuses





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In addition to POWR-GARD Products, Littelfuse manufactures a wide range of state-of-the-art electronic and automotive products. For more detailed information on electronic and automo-

