



Fuses and Fuse Blocks

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Time Delay • Type CCMR Rejection Type • 2/10 - 60 Amp

2/10 - 30 Amp = 13/32 x 1 1/2"
35 - 60 Amp = 0.85 x 1.88"

- 200K Amp Interrupting Rating
- 600 VAC, 250 - 500 VDC
- Protects Motor Circuits
- Protects Branch Circuits
- Compact Size
- Interchanges with Bussman LP-CC and Gould ATDR

Fast Acting • Type KLK-R Rejection Type • 2/10 - 30 Amp

2/10 - 30 Amp = 13/32 x 1 1/2"

- 200K Amp Interrupting Rating
- Rated 600 VAC
- Compact Size
- Protects Branch Circuits
- Ideal for use in OEM Equipment and Control Panels
- Solid State and Electronic Equipment require Fast Acting Fuses
- Interchanges w/ Bussman KTKR & Gould ATMR

FUSE Amps	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
1/10	118748	0.1	\$13.00
1/4	118749	0.1	\$13.10
1/2	118750	0.1	\$10.25
3/4	118751	0.1	\$11.25
1	118752	0.1	\$9.80
1 1/2	118753	0.1	\$9.80
2	118754	0.1	\$9.80
2 1/2	118755	0.1	\$13.00
3	118756	0.1	\$9.80
3 1/2	118757	0.1	\$13.10
4	118758	0.1	\$10.25
5	118759	0.1	\$9.80
6	118760	0.1	\$10.25
7	118761	0.1	\$11.85
8	118762	0.1	\$10.42
9	118763	0.1	\$13.10
10	118764	0.1	\$9.80
12	118765	0.1	\$10.73
15	118766	0.1	\$9.80
20	118767	0.1	\$9.80
25	118768	0.1	\$10.42
30	118769	0.1	\$9.80

FUSE Amps	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
2/10	118740	0.1	\$11.75
1/4	107594	0.1	\$11.75
3/10	118741	0.1	\$11.75
1/2	107593	0.1	\$11.20
6/10	118742	0.1	\$12.00
8/10	107615	0.1	\$11.20
1	107589	0.1	\$11.20
1 1/4	107591	0.1	\$12.00
1 4/10	118743	0.1	\$12.00
1 1/2	107590	0.1	\$12.00
1 6/10	118744	0.1	\$12.00
1 8/10	107592	0.1	\$12.00
2	107598	0.1	\$11.20
2 1/4	115469	0.1	\$12.00
2 1/2	107599	0.1	\$11.20
2 8/10	118745	0.1	\$12.00
3	107602	0.1	\$11.20
3 2/10	118746	0.1	\$12.00
3 1/2	107603	0.1	\$11.20
4	107605	0.1	\$11.20
4 1/2	107606	0.1	\$12.00
5	107608	0.1	\$11.20
5 6/10	107609	0.1	\$12.00
6	107610	0.1	\$12.00
6 1/4	107611	0.1	\$12.00
7	107612	0.1	\$12.00
7 1/2	107613	0.1	\$12.00
8	107614	0.1	\$12.00
9	107616	0.1	\$12.00
10	107595	0.1	\$11.20
12	107596	0.1	\$12.00
15	107597	0.1	\$11.20
17 1/2	118747	0.1	\$11.75
20	107600	0.1	\$11.20
25	107601	0.1	\$12.00
30	107604	0.1	\$11.20
35	114847	0.2	\$18.25
40	114848	0.2	\$18.25
45	114849	0.2	\$18.25
50	114850	0.2	\$18.25
60	114852	0.2	\$18.25

Note: Fuses are sold in package quantities of 10, List Price is for single fuse.



**Time Delay • Type FLM
1/4 - 30 Amp**

1/4 - 30 Amp = 13/32 x 1 1/2"

- 10K Amp Interrupting Rating
- 250 VAC
- Protects Motor Circuits
- Protects Machine Tool Transformers, Indoor / Outdoor Lighting Circuits, Solenoids, Control Circuits and Supplemental Protection of Small Motors
- Interchanges with Bussman FNM and Gould TRM

FUSE Amps	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
1/4	118771	0.1	\$5.50
1/2	118772	0.1	\$4.38
6/10	107220	0.1	\$4.38
8/10	118773	0.1	\$4.38
1	107013	0.1	\$4.14
1 1/4	107221	0.1	\$4.90
1 4/10	118774	0.1	\$5.30
1 1/2	118775	0.1	\$4.63
1 6/10	118776	0.1	\$4.63
2	107014	0.1	\$3.80
2 1/4	118777	0.1	\$4.80
2 1/2	118778	0.1	\$4.30
2 8/10	118779	0.1	\$5.10
3	107018	0.1	\$3.98
3 2/10	118780	0.1	\$4.08
3 1/2	118781	0.1	\$4.08
4	106810	0.1	\$3.98
4 1/2	118782	0.1	\$5.08
5	118783	0.1	\$3.80
5 6/10	118784	0.1	\$5.10
6	118285	0.1	\$4.30
6 1/4	118785	0.1	\$4.08
7	118786	0.1	\$4.08
8	118787	0.1	\$3.98
9	118788	0.1	\$5.10
10	118789	0.1	\$3.80
12	118790	0.1	\$4.30
15	118791	0.1	\$3.80
20	118792	0.1	\$3.98
25	118793	0.1	\$4.52
30	118794	0.1	\$3.98

**Time Delay • Type FLQ
1/10 - 30 Amp**

1/10 - 30 Amp = 13/32 x 1 1/2"

- 10K Amp Interrupting Rating
- Protects Machine Tool Transformers, Solenoids, Circuits with High Inrush Currents and Supplemental Protection for Small Motors
- Rated 500 VAC
- Interchanges with Bussman FNQ and Gould A4BQ

FUSE Amps	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
1/10	118795	0.1	\$13.30
1/8	118796	0.1	\$14.10
2/10	118797	0.1	\$14.10
1/4	118798	0.1	\$12.40
3/10	118799	0.1	\$14.10
4/10	118800	0.1	\$14.10
1/2	118801	0.1	\$11.46
6/10	118802	0.1	\$12.38
8/10	118803	0.1	\$12.38
1	118804	0.1	\$10.95
1 1/4	118805	0.1	\$13.30
1 1/2	118806	0.1	\$11.46
1 6/10	118807	0.1	\$11.46
2	118808	0.1	\$10.95
2 1/4	118809	0.1	\$14.08
2 1/2	118810	0.1	\$11.46
3	118811	0.1	\$10.95
3 2/10	118812	0.1	\$11.46
3 1/2	118813	0.1	\$12.38
4	118814	0.1	\$10.95
4 1/2	118815	0.1	\$13.30
5	118816	0.1	\$10.95
5 6/10	118817	0.1	\$13.30
6	118818	0.1	\$10.95
6 1/4	118819	0.1	\$14.08
7	118820	0.1	\$11.46
8	118821	0.1	\$10.95
9	118822	0.1	\$14.08
10	118823	0.1	\$10.95
12	118824	0.1	\$10.95
14	118825	0.1	\$14.70
15	118826	0.1	\$10.95
20	118827	0.1	\$10.95
25	118828	0.1	\$10.95
30	118829	0.1	\$10.95

Note: Fuses are sold in package quantities of 10, List Price is for single fuse.

Fast Acting • Type KLK • 1/10 - 30 Amp

1/10 - 30 Amp = 13/32 x 1 1/2"

- 100K Amp Interrupting Rating
- Rated 600 VAC
- Protects Control Circuits, Street Lighting, H.I.D. Lighting, Computers and other Low Inrush Current Applications
- Interchanges with Bussman KTK and Gould ATM



FUSE Amps	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
1/10	118830	0.1	\$11.38
1/8	118831	0.1	\$11.88
1/4	118832	0.1	\$10.03
1/2	118833	0.1	\$9.86
3/4	118834	0.1	\$10.78
1	106994	0.1	\$8.86
1 1/2	118835	0.1	\$10.03
2	118836	0.1	\$8.86
2 1/2	118837	0.1	\$11.38
3	118838	0.1	\$8.86
3 1/2	118839	0.1	\$11.88
4	118840	0.1	\$9.32
5	118841	0.1	\$8.86
6	118842	0.1	\$8.86
7	118843	0.1	\$10.78
8	118844	0.1	\$9.32
9	118845	0.1	\$11.88
10	118846	0.1	\$8.86
12	118847	0.1	\$10.73
15	106946	0.1	\$8.86
20	106947	0.1	\$9.17
25	106948	0.1	\$9.17
30	106812	0.1	\$9.17

Note: Fuses are sold in package quantities of 10, **List Price** is for single fuse.

Fuse Sizing Guide for Disconnect Switches, Combination Starters and Pump Panels

Please Note:

- This is a basic **guide** for sizing fuses. Specific installations may require different sizes
- ALL information shown is for standard duty, low inertia motors
- ALL fusing is to be installed in accordance with NEC and local codes
- ALL information contained in this document is derived from fuse manufacturer's information and industry practice
- Advance Controls, Inc. makes no claim concerning the accuracy or completeness of this Guide

Class CC Fuse – Time Delay

1. Determine the Full Load Amps (FLA) from the motor nameplate
2. Multiply the FLA by 2
3. Round to the nearest offered fuse size
4. Choose ACI Catalog Number for the fuse

Example:

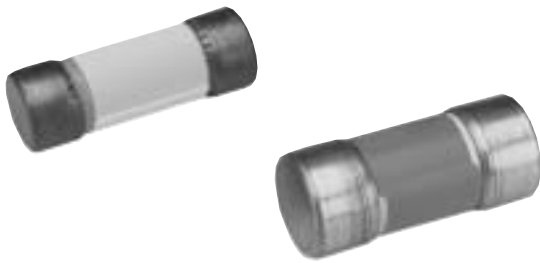
1. Motor = 5 HP @ 480 VAC - Motor FLA = 7.6
2. FLA @ 7.6 Amps x 2 = 15.2 Amps
3. Round fuse size down to 15 Amps
4. Use ACI Catalog Number 107597
15 Amp Class CC Time Delay

Class J Fuse – Time Delay

1. Determine the Full Load Amps (FLA) from the motor nameplate
2. Multiply the FLA by 1.5
3. Round to the nearest offered fuse size
4. Choose ACI Catalog Number for the fuse

Example:

1. Motor = 5 HP @ 480 VAC - Motor FLA = 7.6
2. FLA @ 7.6 Amps x 1.5 = 11.4 Amps
3. Round fuse size up to 12 Amps (11 Amp n/a)
4. Use ACI Catalog Number 118866
12 Amp Class J Time Delay



**Fast Acting • Type JLS
3 - 600 Amp**

- Protects Capacitors, Circuit Breakers, Load Centers, Panel Boards, Switch Boards and Bus Ducts
- Interchanges with Bussman JKS and Gould A4J

FUSE Amps	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
3	118888	0.1	\$17.00
6	118889	0.1	\$16.05
10	118890	0.1	\$14.95
15	118891	0.1	\$14.95
20	118892	0.1	\$14.95
25	118893	0.1	\$17.00
30	118894	0.1	\$13.85
35	118895	0.1	\$27.60
40	118896	0.1	\$24.35
45	118897	0.1	\$27.65
50	118898	0.1	\$24.35
60	118899	0.1	\$22.55
70	118901	0.1	\$39.70
80	118902	0.1	\$42.00
90	118903	0.1	\$44.00
100	118904	0.1	\$34.25
110	118905	0.9	\$81.00
125	118906	0.8	\$77.50
150	118907	0.8	\$74.00
175	118908	0.8	\$77.50
200	118909	0.8	\$64.50
225	118910	1.9	\$176.60
250	118911	1.9	\$176.60
300	118912	1.9	\$152.00
400	118913	1.9	\$145.00

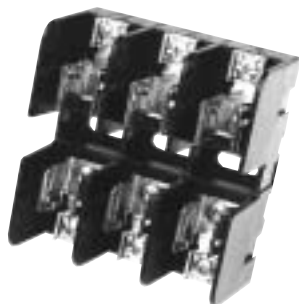
Time Delay • Type JTD • 1 - 600 Amp

- Use with IEC and NEMA Controls
- Protects Service Entrance Equipment, Feeder Circuits and Branch Circuits for both Motor and Non-Motor Loads
- 200 K Amp Interrupting Rating
- 600 VAC Rated
- 1 - 60 Amp Ferrule Type; 70 - 400 Amp Knife Blade Type
- Rejection Feature Prevents Substitution of Incorrect Fuses
- High Current Limitation allows protection of Circuit Breakers, Panel Boards, Switch Boards and Bus Ducts
- Approximately Half the Space of Class RK1 and RK5 Fuses
- Interchanges with Bussman LPJ and Gould AJT

FUSE Amps	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
8/10	118848	0.1	\$13.30
1	118849	0.1	\$13.05
1 1/4	118850	0.1	\$13.05
1 1/2	118851	0.1	\$13.30
1 6/10	118852	0.1	\$13.70
1 8/10	118853	0.1	\$13.70
2	118854	0.1	\$13.05
2 1/4	118855	0.1	\$13.70
2 1/2	118856	0.1	\$13.05
2 6/10	118857	0.1	\$13.70
3	118858	0.1	\$13.05
3 2/10	118859	0.1	\$13.70
3 1/2	118860	0.1	\$13.70
4	118861	0.1	\$13.70
5	118862	0.1	\$13.05
6	118863	0.1	\$13.05
8	118864	0.1	\$13.70
10	118865	0.1	\$13.05
12	118866	0.1	\$13.70
15	118867	0.1	\$13.05
17 1/2	118868	0.1	\$13.70
20	117045	0.1	\$13.05
25	118869	0.1	\$13.05
30	107096	0.1	\$13.05
35	118870	0.1	\$22.40
40	107098	0.1	\$22.40
45	118871	0.1	\$22.40
50	118872	0.1	\$22.40
60	117044	0.1	\$22.40
70	107104	0.4	\$46.00
80	118873	0.4	\$46.00
90	118874	0.4	\$48.50
100	118875	0.4	\$46.00
110	118876	0.8	\$96.60
125	118877	0.8	\$92.05
150	118878	0.8	\$92.05
175	118879	0.8	\$96.60
200	107244	0.8	\$92.05
225	118880	1.9	\$194.00
250	118881	1.9	\$185.20
300	118882	1.9	\$185.20
350	118883	1.9	\$194.00
400	118884	1.9	\$184.75
450	118885	3.2	\$294.00
500	118886	3.2	\$294.00
600	118887	3.2	\$278.00

Note: Fuses are sold in package quantities of 10, **List Price** is for single fuse.

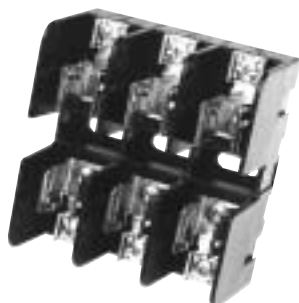
For Class CC (Rejection) Type Fuses



MAX Amps	NO. OF POLES	CONNECTOR TYPE	WIRE RANGE	DIMENSIONS (inches) L x W x H	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
30	1	SCREW with	#14 - 10	3.00 x 0.78 x 1.25	118918	0.1	\$7.00
30	2	PRESSURE PLATE	#14 - 10	3.00 x 1.44 x 1.25	114853	0.2	\$11.00
30	3	with Q.C. TERMINAL	#14 - 10	3.00 x 2.25 x 1.25	114854	0.3	\$14.30
60	1	BOX LUG	#14 - 6	3.35 x 0.78 x 1.25	118921	0.2	\$13.50
60	2	BOX LUG	#14 - 6	3.35 x 1.44 x 1.25	114855	0.4	\$24.50
60	3	BOX LUG	#14 - 6	3.35 x 2.25 x 1.25	114856	0.5	\$35.20



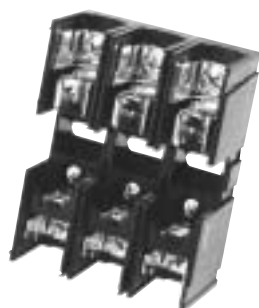
For Midget Type Fuses



MAX Amps	NO. OF POLES	CONNECTOR TYPE	WIRE RANGE	DIMENSIONS (inches) L x W x H	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
30	1	SCREW with	#14 - 10	3.00 x 0.78 x 1.25	118924	0.1	\$4.90
30	2	PRESSURE PLATE	#14 - 10	3.00 x 1.44 x 1.25	118925	0.2	\$8.30
30	3	with Q.C. TERMINAL	#14 - 10	3.00 x 2.25 x 1.25	118926	0.3	\$10.65



For Class J Type Fuses



MAX Amps	NO. OF POLES	CONNECTOR TYPE	WIRE RANGE	DIMENSIONS (inches) L x W x H	CATALOG NUMBER	WT Lbs	LIST PRICE EACH
30	1	BOX LUG	#14 - 2	3.38 x 1.16 x 1.95	118927	0.3	\$12.65
30	2	BOX LUG	#14 - 2	3.38 x 2.20 x 1.95	118928	0.5	\$23.25
30	3	BOX LUG	#14 - 2	3.38 x 3.25 x 1.95	118929	0.7	\$36.00
60	1	BOX LUG	#14 - 2	4.07 x 1.67 x 2.09	118930	0.3	\$17.65
60	2	BOX LUG	#14 - 2	4.07 x 3.20 x 2.09	118931	0.5	\$28.65
60	3	BOX LUG	#14 - 2	4.07 x 4.72 x 2.09	118932	0.7	\$36.85
100	1	BOX LUG	#6 - 2/0	5.06 x 2.25 x 2.06	118933	0.7	\$27.50
100	3	BOX LUG	#6 - 2/0	5.06 x 4.87 x 2.06	118934	1.7	\$67.00
200	1	BOX LUG	#6 - 250	6.13 x 3.00 x 2.67	118935	1.2	\$117.00

Note: List Price is for single fuse block.

