

Type GDA -- 5 mm X 20 mm European Standard, Fast Acting

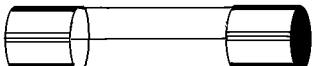
Miniature ceramic fuses, designed to IEC (Sheet 1). Interrupting rating -- 1500 AIC. GDA fuses mount in Buss HTB and PC board fuseholders. Type GDA-V with axial leads available on special order. GDA fuses are rated at 250 V. 5 per pkg.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GDA-50 mA	3.09	GDA-630 mA	2.87
GDA-63 mA	3.09	GDA-800 mA	2.87
GDA-80 mA	3.09	GDA-1 A	2.87
GDA-100 mA	3.09	GDA-1.25 A	2.87
GDA-125 mA	3.09	GDA-1.6 A	2.87
GDA-160 mA	3.09	GDA-2 A	2.87
GDA-200 mA	3.09	GDA-2.5 A	2.87
GDA-250 mA	3.09	GDA-3.15 A	2.87
GDA-315 mA	3.09	GDA-4 A	2.87
GDA-400 mA	3.09	GDA-5 A	2.87
GDA-500 mA	2.87	GDA-6.3 A	2.87

Type GDB -- 5 mm X 20 mm European Standard, Fast Acting

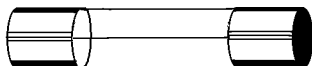
Miniature glass fuses, designed to IEC (Sheet 2). Interrupting rating -- 35 AIC, or 10 times the amp rating (whichever is larger). GDB fuses mount in Buss HTB and PC board fuseholders. Type GDB-V with axial leads available on special order. GDB fuses are rated at 250 V. 5 per pkg.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GDB-32 mA	3.73	GDB-630 mA	2.71
GDB-40 mA	3.73	GDB-800 mA	2.71
GDB-50 mA	3.73	GDB-1 A	2.71
GDB-63 mA	3.73	GDB-1.25 A	2.71
GDB-80 mA	3.73	GDB-1.6 A	2.71
GDB-100 mA	3.73	GDB-2 A	2.71
GDB-125 mA	2.71	GDB-2.5 A	2.71
GDB-160 mA	2.71	GDB-3.15 A	2.71
GDB-200 mA	2.71	GDB-4 A	2.71
GDB-250 mA	2.71	GDB-5 A	2.71
GDB-315 mA	2.71	GDB-6.3 A	2.71
GDB-400 mA	2.71	GDB-8 A	2.71
GDB-500 mA	2.71	GDB-10 A	2.71

Type GDC -- 5 mm X 20 mm Time Lag - Time Delay

Miniature glass fuses, designed to IEC (Sheet 3). Interrupting rating -- 35 AIC, or 10 times the amp rating (whichever is larger). GDC fuses mount in Buss HTB and PC board fuseholders. Type GDC-V with axial leads available on special order. GDC fuses are rated at 250 V. 5 per pkg.

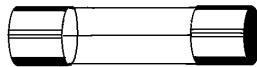


Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GDC-32 mA	4.63	GDB-500 mA	2.87
GDC-40 mA	4.63	GDB-630 mA	2.87
GDC-50 mA	4.63	GDB-800 mA	2.87
GDC-63 mA	4.63	GDB-1 A	2.87
GDC-80 mA	4.63	GDB-1.25 A	2.87
GDC-100 mA	4.45	GDB-1.6 A	2.87
GDC-125 mA	4.63	GDB-2 A	2.87
GDC-160 mA	4.45	GDB-2.5 A	2.87
GDC-200 mA	4.45	GDB-3.15 A	2.87
GDC-250 mA	4.45	GDB-4 A	2.87
GDC-315 mA	4.45	GDB-5 A	2.87
GDC-400 mA	4.45	GDB-6.3 A	2.87

Type GMA -- 5 mm X 20 mm Fast Acting

Miniature glass fuses, U.L. Recognized, CSA listed. GMA fuses mount in Buss HTB and PC board fuseholders. Type GMA-V with axial leads available on special order.

GMA fuses are rated at 250 V. up through 3 A. 3.5 A and larger are rated 125 V. 5 per pkg.

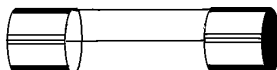


Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GMA-63 mA	2.36	GMA-1.6 A	1.45
GMA-100 mA	2.36	GMA-2 A	1.45
GMA-125 mA	2.36	GMA-2.5 A	1.45
GMA-200 mA	1.45	GMA-3 A	1.45
GMA-250 mA	1.45	GMA-3.5 A	1.45
GMA-300 mA	1.45	GMA-4 A	1.45
GMA-500 mA	1.45	GMA-5 A	1.45
GMA-750 mA	1.45	GMA-6 A	1.45
GMA-800 mA	1.45	GMA-7 A	1.45
GMA-1 A	1.45	GMA-8 A	1.45
GMA-1.5 A	1.45	GMA-10 A	1.45
		GMA-15 A	1.45

Type GMC -- 5 mm X 20 mm Time Delay

Miniature glass fuses, U.L. Recognized, CSA listed. GMC fuses mount in Buss HTB and PC board fuseholders. Type GMC-V with axial leads available on special order.

GMC fuses are rated at 250 V. up through 3 A. 3.5 A and larger are rated 125 V. 5 per pkg.

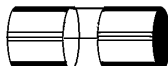


Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GMC-63 mA	3.82	GMC-1.6 A	2.30
GMC-100 mA	3.64	GMC-2 A	2.30
GMC-125 mA	3.64	GMC-2.5 A	2.30
GMC-200 mA	3.64	GMC-3 A	2.30
GMC-250 mA	3.64	GMC-3.5 A	2.30
GMC-300 mA	3.64	GMC-4 A	2.30
GMC-500 mA	2.30	GMC-5 A	2.30
GMC-750 mA	2.30	GMC-6 A	2.30
GMC-800 mA	2.30	GMC-7 A	2.30
GMC-1 A	2.30	GMC-8 A	2.30
GMC-1.5 A	2.30	GMC-10 A	2.30

Type AGA -- ¼" X ⅝" (6.4 mm X 15.9 mm). Fast Acting

Glass, formerly type 1AG. U.L. Recognized. AGA fuses mount in Buss HAF, HIF, & HRK in-line fuseholders.

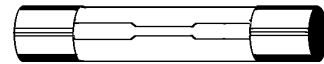
AGA fuses are rated at 125 V. up through 1-1/2 A. 2 A and larger are rated 32 V. 5 per pkg.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
AGA-⅛	3.61	GMC-3	1.07
AGA-⅜	3.61	GMC-5	.82
AGA-⅝	1.64	GMC-6	.82
AGA-¾	1.64	GMC-7	.82
AGA-1	1.64	GMC-7½	.82
AGA-1 ⅜	1.64	GMC-10	.82
AGA-1 ½	1.07	GMC-15	.82
AGA-2	1.07	GMC-20	.82
AGA-2 ½	1.07	GMC-25	.82
		GMC-30	.82

Type AGC -- ¼" X 1-½" (6.4 mm X 31.8 mm) Fast Acting

Glass, formerly 3AG. For instruments, electronic and small appliance circuits. U.L. recognized and CSA listed. AGC fuses mount in Buss HTB panel mounted and HHB, & HFB, in-line fuseholders. AGC fuses are rated at 250 V. except items marked (*) are rated 32 V. 5 per pkg.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
AGC-1200	14.80	AGC-1 8/10	.73
AGC-1/100	7.49	AGC-2	.45
AGC-1/16	2.33	AGC-2 1/4	.73
AGC-1/10	2.17	AGC-2 1/2	.54
AGC-1/8	2.17	AGC-3	.45
AGC-2/10	2.33	AGC-3 2/10*	.73
AGC-3/16	2.33	AGC-4	.56
AGC-1/4	1.17	AGC-5	.56
AGC-3/10	1.28	AGC-6	.56
AGC-3/8	1.36	AGC-6 1/4 *	.88
AGC-4/10	1.26	AGC-7	.66
AGC-1/2	.56	AGC-7 1/2 *	.54
AGC-6/10	.88	AGC-8	.45
AGC-3/4	.66	AGC-9 *	.73
AGC-8/10	.73	AGC-10 *	.45
AGC-1	.45	AGC-12 *	.73
AGC-1 1/4	.73	AGC-15 *	.45
AGC-1 1/2	.73	AGC-20 *	.45
AGC-1 6/10	.73	AGC-25 *	.45
		AGC-30 *	.45

Type ABC ¼" x 1-½" (6.4mm x 31.8mm) Fast Acting

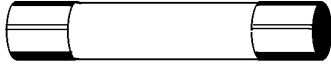
Ceramic Formerly designated 3AB. Mount in Buss HTB panel-mounted and HB Series PC board fuseholders. HHB and HFB in-line fuseholders, and Series 8000 fuseblocks. U.L. Recognized CSA File 47233; Class 1422-01, ABC fuses are rated at 250V up to 20 A. & 125V 25 A and larger.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
ABC-1/4	1.76	ABC-6	1.20
ABC-1/2	1.76	ABC-7	1.58
ABC-3/4	1.76	ABC-8	.97
ABC-1	1.32	ABC-10	.97
ABC-1 1/2	1.76	ABC-12	.67
ABC-2	1.06	ABC-15	.97
ABC-2 1/2	1.76	ABC-20	1.55
ABC-3	1.06	ABC-25	1.91
ABC-4	1.32	ABC-30	1.55
ABC-5	.97		

Type GBB ¼" x 1-¼" (6.4mm x 31.8mm) Very Fast Acting

Ceramic Formerly designated 3AB. Mount in Buss HTB panel-mounted fuse holders, HHB and HFB in-line fuse-holders, and Series 8000 fuseblocks. U.L. File 5642; Guide JFHR2. GBB Fuses are rated at 60 V unless otherwise noted by * which are 250VAC.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GBB-1	9.05	GBB-8	9.05
GBB-½	8.07	GBB-9	8.07
GBB-2*	8.02	GBB-10*	6.15
GBB-3*	9.05	GBB-12	8.07
GBB-4	8.41	GBB-15	8.67
GBB-5	8.82	GBB-20	8.41
GBB-6	9.05	GBB-25	8.07
GBB-7	8.41	GBB-30	8.41

Type MDQ ¼" x 1-¼" (6.4mm x 31.8mm) Dual-Element Time-Delay

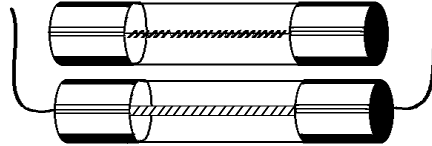
Glass. Formerly designated 3AG. Mount in Buss HTB panel-mounted HB Series PC board fuseholders, HHB and HFB in-line fuseholders, and series 8000 fuse-blocks. MDQ fuses are rated at 250 V to 7A, and 32 V 7-1/2 - 30 A. U.L. File E19180; Guide JDYX. CSA File 47233; Class 1422-01.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
MDQ-½	4.83	MDQ-1 ½	2.71
MDQ-¾	4.83	MDQ-1 ¾	2.71
MDQ-1 ¼	5.26	MDQ-2	2.71
MDQ-1 ½	4.89	MDQ-2 ½	2.71
MDQ-1 ¾	5.17	MDQ-2 ¾	2.71
MDQ-2	5.26	MDQ-3	2.71
MDQ-2 ½	3.76	MDQ-3 ½	2.71
MDQ-2 ¾	3.76	MDQ-4	2.71
MDQ-3	3.76	MDQ-5	2.71
MDQ-3 ½	3.76	MDQ-6	2.71
MDQ-4	2.71	MDQ-6 ¾	2.71
MDQ-4 ½	2.71	MDQ-7	2.71
MDQ-4 ¾	2.71	MDQ-7 ½	2.71
MDQ-5	2.71	MDQ-9	3.70
MDQ-6	2.71	MDQ-10	3.24
MDQ-6 ¾	2.71	MDQ-12	3.27
MDQ-7	2.71	MDQ-15	3.27
MDQ-7 ½	2.71		
MDQ-9	2.71		
MDQ-10	2.71		
MDQ-12	2.71		
MDQ-15	2.71		

Type MDL/MDV ¼" x 1-¼" (6.4mm x 31.8mm) Time Delay

Glass Formerly designated 3AG. MDV has axial leads. Mount in Buss HTB panel-mounted and HB Series PC board fuseholders, HHB and HFB in-line fuseholders, and Series 8000 fuseblocks. U.L. File E19180; Guide JDYX. CSAFile 47233; Class 1422-01. MDL/MDV are rated at 250V.

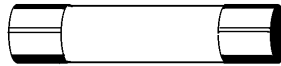


Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
MDL-½	4.34	MDL-1-6/10	1.80
MDL-1/32	4.34	MDL-1-8/10	1.80
MDL-1/16	3.41	MDL-2	1.35
MDL-1/10	3.41	MDL-2-1/4	1.80
MDL-1/8	2.54	MDL-2-1/2	1.80
MDL-15/100	3.41	MDL-2-8/10	1.80
MDL-175/1000	3.41	MDL-3	1.35
MDL-2/10	3.41	MDL-3-2/10	1.80
MDL-3/16	3.41	MDL-4	1.35
MDL-1/4	1.65	MDL-5	1.35
MDL-3/10	2.21	MDL-6	1.35
MDL-3/8	2.21	MDL-6-1/4	1.80
MDL-4/10	2.21	MDL-7	1.80
MDL-1/2	1.50	MDL-7-1/2	1.80
MDL-6/10*	1.99	MDL-8	1.35
MDL-3/4	1.99	MDL-9	2.36
MDL-8/10	1.99	MDL-10	1.78
MDL-1	1.50	MDL-15	1.78
MDL-1-2/10	1.80	MDL-20	1.76
MDL-1-1/4	1.35	MDL-25	2.36
MDL-1-1/2	1.35	MDL-30	2.36

* Also MDL7/10

Type MDA/MDV ¼" x 1-¼" (6.4mm x 31.8mm) Time Delay

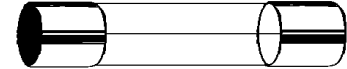
Ceramic. Formerly designated 3AB. Mount in Buss HTB panel-mounted and HB Series PC board fuseholders, HFB and HHB in-line fuseholders, and Series 8000 fuseblocks; U.L. File E19180; Guide JDYX2. CSA Class 1426-01; File 47233. Rated at 250 V to 20 A and 125V, 25-30 A.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
MDA-1/32	6.42	MDA-2	2.74
MDA-1/16	6.42	MDA-2-1/2	2.98
MDA-1/10	6.42	MDA-2-8/10	3.04
MDA-1/8	6.42	MDA-3	2.06
MDA-15/100	6.42	MDA-3-2/10	3.09
MDA-2/10	6.42	MDA-4	2.06
MDA-1/4	4.11	MDA-5	2.06
MDA-3/10	3.79	MDA-6	3.09
MDA-3/8	3.79	MDA-6-1/4	3.09
MDA-4/10	3.79	MDA-7	3.09
MDA-1/2	4.16	MDA-8	2.06
MDA-6/10	3.79	MDA-10	2.06
MDA-3/4	4.11	MDA-12	2.06
MDA-8/10	3.79	MDA-15	2.06
MDA-1	2.74	MDA-20	2.06
MDA-1-1/4	4.16	MDA-25	3.09
MDA-1-1/2	4.16	MDA-30	2.06
MDA-1-6/10	3.73		

Type AGU 1 ½" x 1-½" (10.3mm x 38.1mm) Non-Time-Delay

Glass formerly 5AG. Mount in Buss fuseholders, and clips. U.L. File E19180; Guide JDYX. rated 250 V to 3 A and 32 V, 4-30 A.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
AGU-1	2.39	AGU-10	2.39
AGU-2	2.39	AGU-15	2.39
AGU-3	2.39	AGU-20	2.21
AGU-4	2.39	AGU-25	2.21
AGU-5	2.39	AGU-30	1.99
AGU-8	2.39		

Type BBS 13/32" x 1-3/8" (10.3mm x 34.9mm) Non-Time-Delay

For control, gaseous vapor fixture, and HID ballasts; electronic circuits. Fibre cartridge. Mount in Buss panel-mount fuseholders HPC-L and HPS-L, fuseblock 3845, or 13/32" clips. U.L. File E 19180; Guide JDYX. CSAFile 47233; Class 142201. Rated at 600V up to 5 A, 250 V 6-10 A and 48 V 15-30 A.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
BBS-2/10	6.50	BBS-3	34.36
BBS-4/10	6.50	BBS-4	5.81
BBS-1/2	6.50	BBS-5	4.36
BBS-6/10	6.50	BBS-6	6.50
BBS-3/4	6.50	BBS-7	6.50
BBS-8/10	6.50	BBS-8	6.50
BBS-1	3.53	BBS-10	6.14
BBS-1-1/2	6.50	BBS-15	6.50
BBS-1-6/10	6.50	BBS-20	6.50
BBS-1-8/10	6.50	BBS-25	6.50
BBS-2	4.36	BBS-30	6.50

Type BAF 13/32" x 1-1/2" (10.3mm x 38.1mm) Non-Time-Delay

Laminated. Mount in Buss fuseholders. fuseblocks, and clips. U.L. File E19180; Guide JDYX, CSA File 53787; Class 1422-01. Rated at 250 V to 15 A, and 125 V 20 - 30 A.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
BAF-1/2	3.53	BAF-7	2.87
BAF-1	2.34	BAF-8	2.87
BAF-1-1/2	3.53	BAF-9	2.87
BAF-2	2.34	BAF-10	1.91
BAF-2-1/2	3.53	BAF-12	2.87
BAF-3	2.34	BAF-15	2.17
BAF-4	3.53	BAF-20	1.91
BAF-5	2.34	BAF-25	2.77
BAF-6	2.34	BAF-30	1.91
BAF-6-1/4	3.61		

Type BAN 13/32" x 1-1/2" (10.3 mm x 38.1 mm) Non-Time-Delay

Fibre. Formerly 5AB. Mounts in Buss fuseholders, fuseblocks, and clips. Rated at 250V.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
BAN-1	3.53	BAN-10	3.38
BAN-2	3.53	BAN-12	3.53
BAN-3	3.53	BAN-15	3.38
BAN-4	3.53	BAN-20	3.38
BAN-5	3.53	BAN-25	3.53
BAN-6	3.53	BAN-30	2.90
BAN-8	3.53		

Type KTK-R 13/32 x 1-1/2" (10.3mm x 38.1mm) Non-Time-Delay

A Limitron fast acting fuse Melamine. U.L. Listed for branch circuit protection. Class CC. Rejection type; for both standard holders or those which reject other type fuses. Mount in Buss Class CC fuseblocks and Buss fuseholders HPS-RR (thru 30 amps). interrupting rating - 200,000AIC. Current limiting. U.L. File 4273A; Guide JDDZ. CSA File 53787; Class 12422-01. rated at 600 V.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
KTK-R-1/10	16.71	KTK-R-4	11.65
KTK-R-1/8	17.46	KTK-R-5	9.41
KTK-R-2/10	17.46	KTK-R-6	11.43
KTK-R-1/4	17.46	KTK-R-7	14.39
KTK-R-3/10	17.46	KTK-R-8	11.65
KTK-R-4/10	16.71	KTK-R-9	17.46
KTK-R-1/2	11.43	KTK-R-10	9.41
KTK-R-3/4	12.55	KTK-R-12	9.57
KTK-R-1	9.41	KTK-R-15	9.41
KTK-R-1-1/12	9.41	KTK-R-20	9.41
KTK-R-2	9.41	KTK-R-25	11.65
KTK-R-3	9.41	KTK-R-30	9.41

Type KTK 13/32" x 1-1/2" (10.3mm x 38.1mm) Non-Time-Delay

A Limitron fast acting fuse Melamine. Interrupting rating 100,000 AIC. Mount in Buss fuseholders, fuseblocks, and clips. U.L. File E 19180; Guide JDYX CSA File 53787; Class 1422-01. Rated at 600V.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
KTK-1/10	15.18	KTK-4	10.41
KTK-1/8	15.84	KTK-5	8.55
KTK-2/10	15.84	KTK-6	8.55
KTK-1/4	12.17	KTK-7	13.10
KTK-3/10	15.84	KTK-8	10.41
KTK-1/2	11.96	KTK-9	15.84
KTK-3/4	13.10	KTK-10	8.55
KTK-1	8.55	KTK-12	13.04
KTK-1-1/2	12.17	KTK-15	8.55
KTK-2	8.55	KTK-20	8.84
KTK-2-1/2	15.18	KTK-25	8.84
KTK-3	8.55	KTK-30	8.84
KTK-3-1/2	15.84		

Type FNM 13/32" x 1-1/2" (10.3mm x 38.1mm) Time Delay

Fibre. Formerly designed 5AB. A Dual element Fusetron fuse. For circuits with high inrush currents. Mount in Buss fuseholders, fuseblocks, and clips. U.L. File E19180; guide JDYX. CSA File 53787; Class 1422-01. Rated at 250 V to 10 A, 125V, 12-15 A and 32 V, 20-30A.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
FNM-1/10	7.31	FNM-2-8/10	6.79
FNM-15/100	7.31	FNM-3	4.43
FNM-2/10	7.31	FNM-3-2/10	4.55
FNM-1/4	7.31	FNM-3-1/2	4.55
FNM-3/10	7.31	FNM-4	4.43
FNM-4/10	7.31	FNM-4-1/2	6.79
FNM-1/2	4.89	FNM-5	3.66
FNM-6/10	4.89	FNM-5-6/10	6.79
FNM-8/10	4.89	FNM-6	5.22
FNM-1	3.97	FNM-6-1/4	4.55
FNM-1 1/8	7.31	FNM-7	4.55
FNM-1 1/4	6.53	FNM-8	4.43
FNM-1 4/10	7.05	FNM-9	6.79
FNM-1 1/2	5.64	FNM-10	3.66
FNM-1 6/10	5.64	FNM-12	5.22
FNM-1 8/10	6.79	FNM-15	3.66
FNM-2	3.66	FNM-20	4.43
FNM-2 1/4	6.50	FNM-25	6.04
FNM-2 1/2	5.22	FNM-30	4.43

Type FNQ 13/32" x 1-1/2" (10.3mm x 38.1mm) Time-Delay

Fibre. Interrupting rating - 10,000AIC. Mount in Buss fuseholders, fuseblocks, and clips. U.L. File E19180; Guide JDYX. CSA File 53787; Class 1422-01. Rated at 500 V.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
FNQ-1/10	16.18	FNQ-3-2/10	12.81
FNQ-1/8	18.76	FNQ-3-1/2	15.05
FNQ-15/100	19.57	FNQ-4	10.55
FNQ-2/10	18.76	FNQ-4-1/2	16.8
FNQ-1/4	15.05	FNQ-5	10.55
FNQ-3/10	18.76	FNQ-5-6/10	16.18
FNQ-4/10	18.76	FNQ-6	10.55
FNQ-1/2	12.81	FNQ-6-1/4	18.76
FNQ-6/10	15.05	FNQ-7	12.81
FNQ-8/10	15.05	FNQ-8	10.55
FNQ-1	10.55	FNQ-9	18.76
FNQ-1-1/8	19.57	FNQ-10	10.55
FNQ-1-1/4	16.18	FNQ-12	10.55
FNQ-1-1/2	12.81	FNQ-14	19.57
FNQ-1-6/10	12.81	FNQ-15	10.55
FNQ-2	10.55	FNQ-20	10.55
FNQ-2-1/4	18.76	FNQ-25	10.55
FNQ-2-1/2	12.81	FNQ-30	10.55
FNQ-3	10.55		

Character is what you
are in the dark.

Type FNW 13/32" x 1-1/2" (10.3mm x 38.1mm) Time-Delay

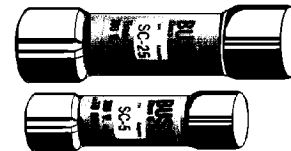
Melamine. Interrupting rating - 10,000AIC. Mount in Buss fuseholders, fuseblocks, and clips. U.L. File E19180; Guide JDYX. Rated at 250 V.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
FNW-12	6.68	FNW-25	6.68
FNW-15	5.56	FNW-30	5.56
FNW-20	5.56		

Type SC 13/32" x 1-5/16" (to2-1/4") Time Delay (Except SC-1/2 to SC -6)

Highly compact branch circuit fuses; U.L. Class G. Applicable in 120/208, 120/240, and 277/480 volt circuits. Interrupting rating - 100,000AIC. Current limiting. Mount in type HPF fuseholders; also Buss Class G fuseblocks. Size varies with amp rating; prevent oversizing. For full information please call any of the toll free numbers on the back of this catalog and request Buss Catalog FLC. U.L. File E4273A; Guide JDDZ. Rated at 300 V.

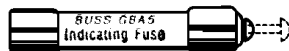


Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
SC-1/2	7.49	SC-15	3.36
SC-1	6.74	SC-20	4.09
SC-2	6.74	SC-25	11.16
SC-3	6.74	SC-30	6.29
SC-4	6.59	SC-35	9.41
SC-5	5.77	SC-40	8.80
SC-6	5.77	SC-45	10.9
SC-8	7.49	SC-50	10.93
SC-10	5.77	SC-60	8.62

Pin Indicating, Telecommunications & PC Board Fuses

Type GBA/GLD 1/4" x 1-1/4" (6.6mm x 31.8mm) Non-Time-Delay

Use in power electronic circuits in which fuse opening must be apparent. Type GBA has a "red" pin for high visibility. Type GLD has an Albaloy-plated pin for positive, electrical signal circuit activation. Use Buss fuseblocks for "visual" indicating. For new equipment designs, the Buss Series 8000 is recommended. For visual indicating use Buss panel-mounted fuseholder HDL (15A maximum); for lamp indicating, HKA (15A maximum). 20, 25, and 30 amp GLD fuses have dual-tube construction. U.L. File E19180; Guide JDYX. CSAFile 11873; Class 1422. Rated at 125V.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GBA-1/2	8.24	GBA-4	7.78
GBA-3/4	8.12	GBA-5	8.76
GBA-1	8.76	GBA-8	10.23
GBA-1-1/2	7.78	GBA-10	10.70
GBA-2	8.76	GBA-15	10.70
GBA-3	8.76		

Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GBA-1/2	6.30	GBA-4	6.39
GBA-3/4	6.30	GBA-5	6.39
GBA-1	6.07	GBA-8	7.31
GBA-1-1/2	6.07	GBA-10	7.31
GBA-2	5.64	GBA-12	7.31
GBA-3	6.39	GBA-15	7.31

Type MIC/MIN 13/32" x 1-1/2" (10.3mm x 38.1mm) Non-Time-Delay

Use in power electronic circuits in which fuse opening must be quickly apparent. Opening of fuse results in ejection of end pin for high visibility. Type MIN has a red pin for high visibility. Type MIC has a silver-plated pin for positive, electrical signal activation. Use Buss fuseblocks for visual indication. Use Buss HPF-C panel-mounted fuseholders for visual indication and signal block 3839 for signal activation. Rated at 250V thru 15 A and 32V thru 20 - 30 A.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
MIC-1	7.49	MIC-15	7.49
MIC-2	7.49	MIC-20	7.49
MIC-3	7.49	MIC-25	7.49
MIC-5	7.49	MIC-30	7.49
MIC-10	7.49		

Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
MIN-1	6.88	MIN-15	7.23
MIN-2	6.88	MIN-20	7.23
MIN-3	6.88	MIN-25	7.23
MIN-5	6.74	MIN-30	7.23
MIN-10	6.88		

Type FNA 13/32" x 1-1/2" (10.3 x 38.1mm) Dual-Element Time-Delay

Use in power electronic circuits where there are high inrush currents and fuse opening must be quickly apparent. Has silver-plated pin for positive electrical signal activation. FNA's larger than 10 amperes have dual tube construction. Mount in HPF-C panel-mounted fuseholder for visual indication; in Buss signal-block 3839 for signal indication. U.L. File E19180; guide JDYX. CSAFile 53787; Class 1422-01. Rated at 250 V 1/10 thru 8/10 A, 125 V 1 thru 15 A, and 32 V 20 thru 30A.

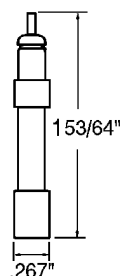
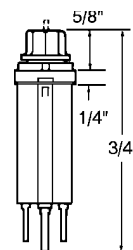


Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
FNA-1/10	9.42	FNA-2-8/10	13.73
FNA-15/100	9.42	FNA-3	9.16
FNA-2/10	9.03	FNA-3-2/10	13.73
FNA-1/4	9.42	FNA-3-1/2	13.73
FNA-3/10	9.42	FNA-4	13.18
FNA-4/10	9.42	FNA-4-1/2	13.73
FNA-1/2	7.37	FNA-5	9.01
FNA-6/10	9.03	FNA-5-6/10	13.73
FNA-8/10	8.40	FNA-6	13.18
FNA-1-1/8	7.37	FNA-6-1/4	13.73
FNA-1-1/4	9.03	FNA-7	13.18
FNA-1-4/10	9.42	FNA-8	13.18
FNA-1-1/2	9.03	FNA-10	9.01
FNA-1-6/10	8.40	FNA-12	13.73
FNA-1-8/10	9.03	FNA-15	13.18
FNA-2	7.13	FNA-20	13.73
FNA-2-1/4	10.49	FNA-25	17.73
FNA-2-1/2	10.05	FNA-30	13.73

Telecommunications Type 70 Series Non-Time Delay

Pin indicating and "fuse-open" alert circuit activation. Pin is projected thru center hole of fuseholder should fuse open. Glass tube design. Fuses mount in complementary 15 ampere fuse holders, Type HWG. Metal shoulder plate with two threaded screw holes permit rear or front panel mounting (maximum panel thickness 1/16" for rear mounting). Two #3-48 screws supplied. Terminals of holder may be solders or wire wrapped. Fuse color coded for ampere rating. Rated at 300 V.

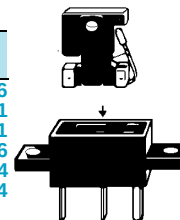
Mfr.'s Type & Amp Rating	Color Code	Price	Mfr.'s Type & Amp Rating	Color Code	Price
70P-1/10	Gray & Wh	6.79	70A-1-1/3	White	6.36
70R-15/100	Red & Wh	9.02	70B-2	Orange	6.79
70E-18/100	Yel	9.02	70C-3	Blue	6.79
70X-2/10	Blk	9.02	70D-5	Green	6.88
70F-1/4	Vio	5.96	70M-8	Tan & Wh	7.83
70K-1/4	Vio & Wh	10.84	70N-10	Purple & Yel	6.79
70G-1/2	Red	5.06			
70H-3/4	Brown	7.23			
70I-1	Pink	8.64			



Telecommunications Type GMT Non-Time-Delay

For Telecommunications, computer, or control circuits. visual spring indicating and alarm circuit indicating. Color coded flags designate ampere rating. Fuses easily replaced without use of insulated tools. When mounted on minimum centers, fuses can be removed with wire hook. Fuse holders provide a wide variety of mounting and terminal configurations. U.L. File 56412; Guide JFHR2.

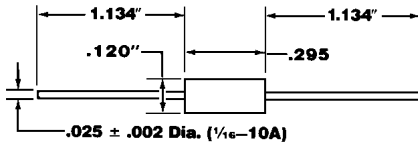
Mfr.'s Type & Amp Rating	Color Code	Price	Mfr.'s Type & Amp Rating	Color Code	Price
GMT-18/100	Yellow	4.34	GMT-3	Blue	3.56
GMT-1/4	Violet	4.13	GMT-3-1/2	Hh & Blu	4.51
GMT-1/2	Red	3.56	GMT-4	Wh & Brn	4.51
GMT-65/100	Black	4.51	GMT-5	Green	3.56
GMT-3/4	Brown	4.34	GMT-7-1/2	Blk & Wh	4.34
GMT-1	Gray	3.74	GMT-10	Red & Wh	3.74
GMT-1-1/3	White	3.56			
GMT-1-1/2	Wh & Yel	4.51			
GMT-2	Orange	4.13	HLT-Holder		



GMTwith
HLT Holder

P.C. Board Fuses - Microtron

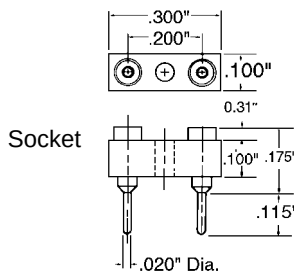
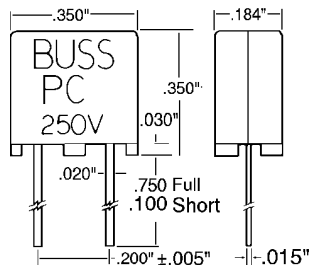
The MICROTRON subminiature fuse is designed to safely interrupt 50 amperes at 125V AC at power factors as low as 97%. The MICROTRON is capable of interrupting 300 ampere fault at 125V DC. The .0295" x 1020 diameter, high temperature, plastic body fits the same mounting footprint as existing sub-miniature fuse (.4" centerline-to-centerline holes). U.L. recognition and CSA Certification. 10 per carton



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
MCR-1/16	3.06	MCR-2	2.36
MCR-1/8	3.06	MCR-2-1/2	2.36
MCR-1/4	3.06	MCR-3	2.36
MCR-3/8	3.06	MCR-3-1/2	2.36
MCR-1/2	3.06	MCR-4	2.36
MCR-3/4	2.36	MCR-5	2.36
MCR-1	2.36	MCR-7	2.36
MCR-1-1/2	2.36	MCR-10	2.36

P.C. Board Fuses - PC-Tron

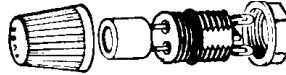
The PC-Tron subminiature fuse offers short circuit performance which until now could only be found in much larger size glass tube fuses. Due to its unique construction the PC-Tron limits the I²t (energy let thru) to very low levels. .02" lead spacing. Auto insertable. Standard wave soldering technique will not affect performance. Optional socket available. Surface mount fuse version available. Long lead .75" or Short lead .10" length. Carton qty. 5.



Mfr.'s Type & Amp Rating	Lead Length	Price	Mfr.'s Type & Amp Rating	Lead Length	Price
PCB-1/2	.75"	4.05	PCC-3	.10"	4.05
PCB-3/4	.75"	4.05	PCD-5	.75"	4.05
PCB-1	.75"	4.05	PCE-5	.10"	4.05
PCB-1-1/2	.75"	4.05	PCH-1/2		5.58
PCB-2	.75"	4.05	PCH-1		5.58
PCB-3	.75"	4.05	PCH-1-1/2	Surface Mount	5.58
PCC-1/2	.10"	4.05	PCH-2		5.58
PCC-3/4	.10"	4.05	PCH-3		5.58
PCC-1	.10"	4.05	PCL-5		5.58
PCC-1-1/2	.10"	4.05	PCS	Socket	Call For Price
PCC-2	.10"	4.05			

Pin Type GMW and Fuseholder HWA

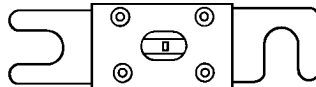
0.270" x 0.25" Non-Time-Delay. Sub-miniature pin-base fuses for limited space applications. Can be soldered direct into circuit or mounted in HWA holder which can be soldered into circuit. Transparent window in fuse for visual inspection of element. Holder type HWA-AF includes waterproof cap (knob). Rated 125 volts, UL recognized.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GMW-1/100	11.80	GMW-1/2	7.39
GMW-1/64	11.80	GMW-3/4	7.39
GMW-1/32	11.80	GMW-1	7.39
GMW-1/16	9.57	GMW-1-1/2	7.39
GMW-1/10	7.31	GMW-2	7.39
GMW-2/10	7.31	GMW-3	7.39
GMW-1/4	7.05	GMW-4	7.39
GMW-3/10	7.31	GMW-5	7.39
GMW-4/10	7.31		

Type ANL Low Voltage Limiters

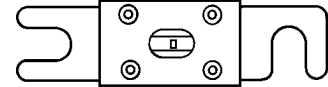
Non-Time-Delay. Silver-plated copper link is visible thru mica window. Rated 32 volts.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
ANL-35	26.54	ANL-200	18.55
ANL-40	26.54	ANL-225	26.54
ANL-50	26.54	ANL-250	22.87
ANL-60	26.54	ANL-275	22.87
ANL-80	22.87	ANL-300	27.70
ANL-100	21.34	ANL-325	22.87
ANL-130	26.54	ANL-350	27.70
ANL-150	21.34	ANL-400	26.54
ANL-175	21.34	ANL-500	22.87

Type ANN, Very Fast Acting

High speed responses to short-circuit currents. Element is visible thru a mica window. UL Recognized. Rated 125 volts.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
ANN-10	27.70	ANN-225	26.54
ANN-35	27.70	ANN-250	22.87
ANN-40	27.70	ANN-275	27.70
ANN-50	23.87	ANN-300	22.87
ANN-60	26.54	ANN-325	39.17
ANN-80	22.87	ANN-350	40.91
ANN-90	23.06	ANN-400	33.75
ANN-100	17.77	ANN-500	33.75
ANN-125	19.04	ANN-600	39.17
ANN-150	17.77	ANN-700	40.91
ANN-175	19.88	ANN-800	39.17
ANN-200	12.70		

Types GLR and GLQ In-Line Fuses and Holder Combinations

Non-Time-Delay. Fuse and fuseholder knob are an integral one piece unit. Type GLR mounts in the single size holder type HLR. GLQ fuses vary in size with ampere ratings, as does the HLQ holder. Rated 300 volts. UL listed, CSA certified.



Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GLR-3/16		GLR-5	2.17
GLR-1/2	4.16	GLR-6	2.27
GLR-1	2.21	GLR-7	2.27
GLR-1-1/2	2.17	GLR-8	2.27
GLR-1-6/10	2.27	GLR-9	2.27
GLR-2	2.17	GLR-10	2.27
GLR-3	2.17	GLR-12	2.74
GLR-4	2.17	GLR-15	2.74

All GLR fuses use Holder HLR \$2.20 Each

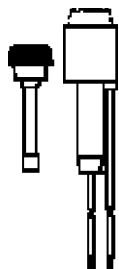
Mfr.'s Type & Amp Rating	Price	Holder	Price
GLQ-1	2.14	HLQ-1-6/10	4.51
GLQ-1-1/2	2.14	HLQ-1-6/10	4.51
GLQ-1-6/10	2.14	HLQ-1-6/10	4.51
GLQ-3	2.14	HLQ-3-2/10	4.51
GLQ-5	2.14	HLQ-5	4.51
GLQ-9	2.14	HLQ-10	4.51
GLQ-10	2.14	HLQ-10	4.51

Types GMF and GMQ In-Line Fuses and Holder Combinations

Dual-Element Time-Delay. Fuse and fuseholder knob are an integral one piece unit. All GMF fuses mount in holder HLR. Size of GMQ fuses vary with ampere ratings, as do the HLQ holders. HLR and HLQ holder leads are 6" of #18 insulated solid copper wire.

Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
GMF-1/2	6.33	GMF-2	6.01
GMF-6/10	6.33	GMF-2-1/2	6.33
GMF-8/10	6.33	GMF-2-8/10	6.33
GMF-1	6.01	GMF-3	6.33
GMF-1-1/4	6.33	GMF-3-2/10	6.33
GMF-1-6/10	6.01	GMF-4	6.33

All GMF fuses use Holder HLR \$2.64 Each



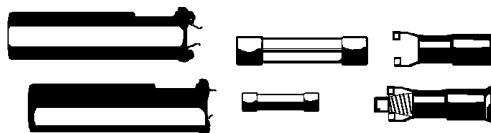
Mfr.'s Type & Amp Rating	Price	Holder	Mfr.'s Type & Amp Rating	Price	Holder
GMQ-1/2	6.33	HLQ-1/2	GMQ-2	6.01	HLQ-3-2/10
GMQ-6/10	6.33	HLQ-1-6/10	GMQ-2-1/2	6.33	HLQ-3-2/10
GMQ-8/10	6.33	HLQ-1-6/10	GMQ-3	6.33	HLQ-3-2/10
GMQ-1	6.33	HLQ-1-6/10	GMQ-3-2/10	6.33	HLQ-3-2/10
GMQ-1-1/4	6.33	HLQ-1-6/10	GMQ-4	6.33	HLQ-3-2/10
GMQ-1-6/10	6.33	HLQ-1-6/10	GMQ-5	6.33	HLQ-5

All HLQ fuses use Holder HLR \$2.48 Each

Fuseholders

PC Board Fuseholders

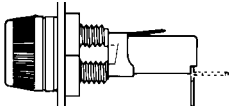
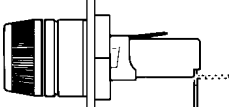
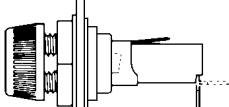
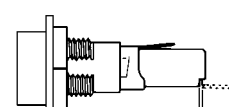
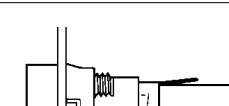
HBH Horizontal version; HBV (with stability pins) and HBW vertical models. All take 1/4" x 1-1/4" or 5 x 20 mm fuses. Designed to UL, CSA, SEMKO and VDE standards



Mfr.'s Type & Amp Rating	Description	Price
HBH-I	Horizontal	5.35
HBH-M	Horizontal	5.64
HBV-I	Vertical w/stability pins	6.39
HBV-M	Vertical w/stability pins	6.62
HBW-I	Vertical	6.62
HBW-M	Vertical	6.62

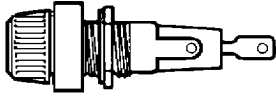
HTB International, Universal Fuseholder

The HTB fuseholders offer complete design flexibility. Designed to UL, CSA, SEMKO and VDE standards.

	Terminal Options				Carrier Options			
	Solder / 3/16" Quick-Connect	1/4" Quick-Connect	1/4" Quick-Connect	1/4" Quick-Connect	For 1/4" x 1-1/4" Fuses	For 5 mm x 20 mm Fuses	For 1/4" x 1-1/4" Fuses	For 5 mm x 20 mm Fuses
	In-Line 4.57 Ea. 	Rt. Angle 4.57 Ea. 	In-Line 5.12 Ea. 	Rt. Angle 5.12 Ea. 	Knob 	Screwdriver 	Knob 	Screwdriver 
	HTB-22I HTB-22M	HTB-24I HTB-24M	HTB-26I HTB-26M	HTB-28I HTB-28M	X		X	
	HTB-42I HTB-42M	HTB-44I HTB-44M	HTB-46I HTB-46M	HTB-48I HTB-48M	X		X	
	HTB-62I HTB-62M	HTB-64I HTB-64M	HTB-66I HTB-66M	HTB-68I HTB-68M	X		X	
	HTB-32I HTB-32M	HTB-34I HTB-34M	HTB-36I HTB-36M	HTB-38I HTB-38M		X		X
	HTB-52I HTB-52M	HTB-54I HTB-54M	HTB-56I HTB-56M	HTB-58I HTB-58M		X		X
	HTB-92I HTB-92M	HTB-94I HTB-94M	HTB-96I HTB-96M	HTB-98I HTB-98M		X		X

HJM Series -- Standard For 1/4 " x 1 " Fuses

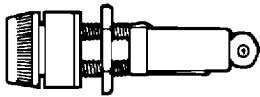
Rated 5 amps, 125 volts. ULRecognized, CSAcertified.



Mfr.'s Type	Terminals	Price
HJM	Solder	5.57
HJM-HH	1/4 " quick-connect	5.72

HKP Series -- Standard For 1/4 " x 1 1/4 " Fuses

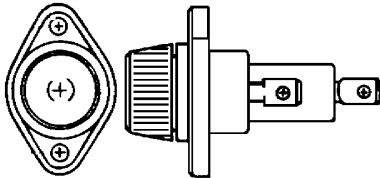
ULRecognized, CSAcertified. Rated 30 amps, 250 volts. (HKP-HH rated 15 amps).



Mfr.'s Type	Features	Price
HKP	Solder terminals	2.61
HKP-CC	3/32 " shorter behind panel	5.00
HKP-HH	1/4 " quick-connect	3.18

HPF Series -- Standard For 13/32 " X 1-5/16 " to 1-1/2 " and Types KTK-R and SC Fuses

ULRecognized



Mfr.'s Type	Amp	Volts	Fuse	Price
HPF	30	600	1 1/2"	6.59
HPF-L	5	600	1 3/8"	10.15
HPF-EE	15	300	SC to 15	9.41
HPF-JJ	20	300	SC 20	10.93
HPF-FF	30	300	SC 25 & 30	11.39
HPF-RR	30	600	KTK-R	13.36

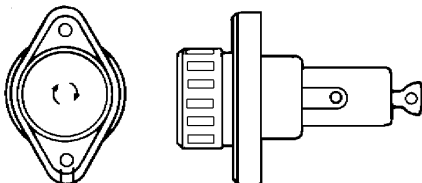
HPM -- Standard For 13/32 " x 1-1/2 " Fuses

ULRecognized, CSAListed

Mfr.'s Type	Amp	Volts	Terminals	Price
HPM	30	600	1/4 " Quick-connect	21.29

HPC-D -- Water-proof For 13/32 " x 1-1/2 " Fuses

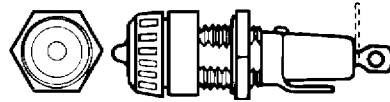
ULRecognized



Mfr.'s Type	Amp	Volts	Features	Price
HPC-D	30	600	Waterproof	24.28

HLD Series -- Pin Indicating For 1/4 " x 1-1/4 " Fuses

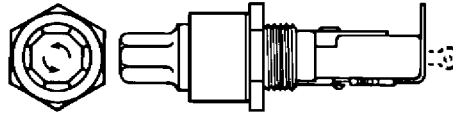
ULListed



Mfr.'s Type	Amp	Volts	Terminals	Price
HLD	15	250	Solder	5.72
HLD-HH	15	250	1/4 " quick-connect	6.62

HK Series -- Lamp Indicating For 1/4 " x 1-1/4 " Fuses

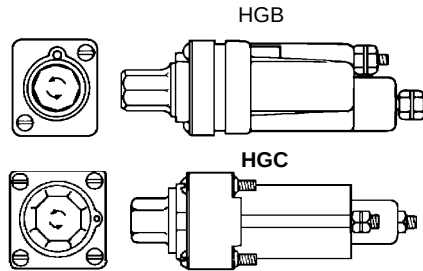
HKLis ULand CSAListed



Mfr.'s Type	Amp	Lamp Volts & Type	Price
HKL	15	90 to 250 -- Neon	13.78

HG Series -- Lamp Indicating For 1/4 " x 1-1/4 " and 13/32 " x 1-1/2 " Fuses

Current rating - 30 amps. Two-pole units are available on special order.



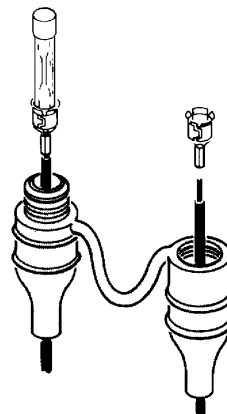
Mfr.'s Type	Lamp Volts & Type	Amp	Price
HGB	90 to 250 -- Neon	120 K	65.68
HGC	90 to 250 -- Neon	330 K	79.07

HGB accepts fuses 1/4 " x 1-1/4 "

HGC accepts fuses 13/32 " x 1-1/2 "

In-Line -- HFB Waterproof For 1/4 " x 1-1/4 " Fuses

Rated 30 amps, 32 volts. Accepts #12 to #18 wire leads (not provided). One piece molded thermo-plastic in high-visibility yellow color.

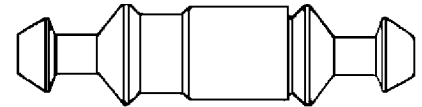


Mfr.'s Type HFB8.17 each

In-Line -- HHB Universal For 1/4 " Dia. Fuses

Rated 30 amps, 32 volts. Accepts #12 to #18 wire leads (not provided).

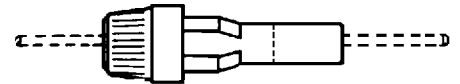
Accepts Fuse sizes: 1/4 " x 7/8 " (AGW)
1/4 " x 1 " (AGX)
1/4 " x 1-1/4 " (AGC, MSL, etc)



Mfr.'s Type HHB2.14 each

Type HRK -- Universal In-Line For 1/4 " x 5/8 " to 1-1/4 " Fuses

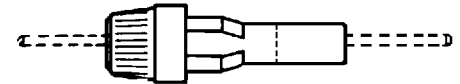
Three springs furnished afford acceptance of 1/4" fuses of different lengths. Wire leads are staked to the contacts of the fuseholder. Leads are #14 AWG, 8 " long. Rated 15 amps, 32 volts.



Mfr.'s Type HRK3.22 each

In-Line Fuseholders For Type SFE and 1/4 " Diameter Fuses

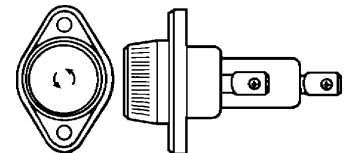
Rated 20 amps, 32 Volts



Mfr.'s Type	Description	Price
HRJ	Assembly with SFE-20 fuse, 19" # 14 Wire.	3.90
HHJ-A	Same, Knob has metal ears.	3.04
HHJ-B	Same, Knob has metal ears.	3.09

HPS Series -- Standard For 13/32 " X 1-5/16 " to 1-1/2 " and Types KTK-R and SC Fuses

ULRecognized. CSAListed . For New Designs see HPF.

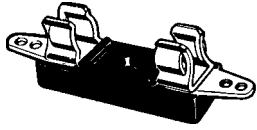


Mfr.'s Type	Amp	Volts	Fuse	Price
HPS-L	5	600	1-3/8"	13.27
HPS	30	600	1-1/2"	9.03
HPS-EE	15	300	SC 0-15(1-5/16")	14.28
HPS-JJ	20	300	SC 20(1-13-32")	14.25
HPS-FF	30	300	SC 25 & 30(1-5/8")	14.28
HPS-RR	30	600	KTK-R	17.49

FUSE BLOCKS AND CLIPS

Single Pole Fuseblock For 1/4 " x 1-1/4 " Fuses

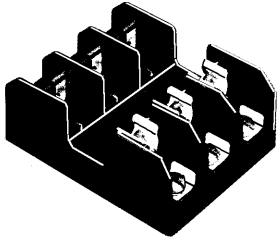
Rated 30 amps, 250 volts.



Mfr.'s Type 4405 3.35

One, Two and Three Pole Fuseblocks For 13/32 " x 1-1/2 " KTK-R and FNQ-R Fuses

Rated 600 volts, 1/10 to 30 amps. UL listed, CSA certified.



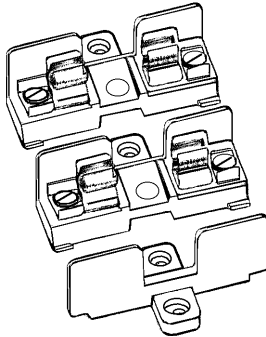
Mfr.'s Type & Amp Rating	Terminals	Price
BC6031SQ	1 Pole, Quick-connect with screw	7.23
BC6031S	1 Pole, screw terminal	5.78
BC6032SQ	2 Pole, Quick-connect with screw	9.31
BC6032S	2 Pole, screw terminal	8.99
BC6033SQ	3 Pole, Quick-connect with screw	12.43
BC6033S	3 Pole, screw terminal	12.43

Same as Above With Supplementary (Type M) For Use With KTK, KLM, FNM, FNQ, BAF and BAN Fuses

BM6031SQ	1 Pole, Quick-connect with screw	2.80
BM6031B	1 Pole, Box Lug	7.27
BM6032SQ	2 Pole, Quick-connect with screw	4.89
BM6032B	2 Pole, Box Lug	14.29
BM6033SQ	3 Pole, Quick-connect with screw	6.44
BM6033B	3 Pole, Box Lug	21.65

13/32 " x 1-1/2 " Add On's

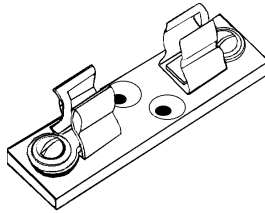
Single pole fuse blocks lock into each other and can be added at any time. Each has an end barrier. Molded phenolic base with screw terminal. Rated 30 amps, 600 volts.



Mfr.s Type 3743 Single Pole block 4.75
Mfr.s Type 3742 End Barrier only 1.36

13/32 " x 1-1/2 " Single Pole

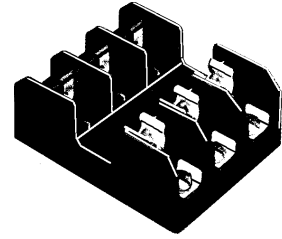
3/4 " Base with screw terminals



Mfr.s Type 4515 5.27

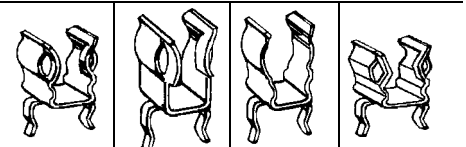
Class G, For Use With SC Fuses

UL listed, CSA certified. Rated 300 volts, 1 to 60 amperes. Quik-connect with screw terminals. Other terminals available on special order.



Mfr.'s Type	Poles	Amp Rating	Price
BG3011SQ	1	1 to 15	5.79
BG3012SQ	2	1 to 15	13.68
BG3013SQ	3	1 to 15	19.42
BG3021SQ	1	20	7.91
BG3022SQ	2	20	17.61
BG3023SQ	3	20	24.08
BG3031S	1	25 to 30	5.38
BG3032S	2	25 to 30	13.05
BG3033S	3	25 to 30	18.72

Fuse Clips For Printed Circuit Boards



1A1907-06	1A1119-10	1A1120-05	1A3399-10
For 1/4" Dia. Fuses With End Stops			
Mfr.'s Type	Clip Material	Finish	Price
1A1119-10	Spring Bronze	Bright Tin	.50
1A1119-05	Beryllium Copper	Silver	1.07
For 1/4" Dia. Fuses Without End Stops			
1A1120-05	Beryllium Copper	Silver	1.07
For 5 mm Dia. Fuses With End Stops			
1A3399-04	Beryllium Copper	Bright Tin	.79

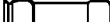
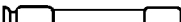
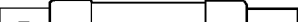
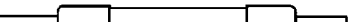
Limitron Fast-Acting U.L. Class RK1 Current-Limiting Fuses

Provide safe short-circuit protection for circuit and equipment on Systems with fault current capability up to 200,000 amperes at 600 volts or less. These Class R fuses will fit existing fused equipment, and the rejection feature (groove in ferrule sizes and slot in knife sizes) permit use in rejection fuse clips.

Fuses 70 amps and above have contact blades.

Mfr.'s Type and Rating	Price
250 VAC Rating	
KTN-R with amp ratings 1, 2, 3, 4, 5	17.98
6	17.23
8	17.98
10	17.23
12	17.98
15, 20	17.33
25	17.98
30	17.23
35	40.65
40, 45, 50	42.41
60	37.73
70	86.38
80, 90	90.17
100	80.40
110	179.36
125	171.99
150	148.30
175	171.99
200	137.89
225, 250, 300	343.74
350	358.95
400	319.63
450, 500	466.38
600	415.32
600 VAC Rating	
KTS-R with amp ratings 1, 2, 3, 4, 5, 6	23.24
8, 10, 12	
15, 20	22.26
25	23.24
30	22.26
35	50.19
40	48.02
45, 50	50.19
60	48.02
70, 80	102.89
90	107.40
100	82.48
110	202.83
125	194.45
150	180.80
175	194.33
200	155.91
225, 250	387.51
300	360.33
350	387.51
400	360.33
450, 500	527.17
600	490.28

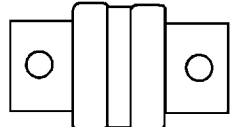
KTN-R / KTS-R

(250V) 1/10Ato 30A	
(250V) 35Ato 60A	
(600V) 1/10Ato 30A	
(600V) 35Ato 60A	
(250V) 70Ato 100A (600V)	
(250V) 110Ato 200A (600V)	
(250V) 225Ato 400A (600V)	
(250V) 450Ato 600A (600V)	

JJN (300V)

	1Ato 30A
	35Ato 60A
	70Ato 100A
	110Ato 200A
	225Ato 400A
	450Ato 600A
	601Ato 800A
	801Ato 1200A

JJS (600V)

	1Ato 30A		110Ato 200A	
	35Ato 60A		225Ato 400A	
	70Ato 100		450Ato 600A	

TRON Fast-Acting Fuses

The smallest (about 1/3 the size of standard NEC fuses) and most compact fuse available for overloa and short circuit protection. U.L.Listed as a Class T fuse.

Fuses 70 amps and above have contact blades.

Mfr.'s Type and Rating	Price
250VAC Rating	
JJN with amp ratings 1, 2, 3, 6, 10, 15, 20, 25	14.74
30	14.19
35	15.70
40	14.98
45, 50	15.70
60	11.21
70	18.39
80, 90	22.26
100	17.13
110	33.65
125, 150	32.21
175	27.80
200	33.65
225, 250	74.44
300	71.38
350	57.23
400	40.13
450	75.15
500	97.77
600	52.67
700	319.31
800	213.28
1000,1200	359.55
600 VAC Rating	
JJS with amp ratings 1	
2	15.00
3	15.70
6, 10, 15	15.00
20	12.04
25	12.94
30	12.04
35	8.44
40	18.16
45	19.55
50	22.67
60	18.16
70	12.71
80	23.76
90	29.38
100	35.59
110	29.38
125	43.19
150	41.43
175	35.73
200	43.19
225	41.43
250	98.18
300	85.85
350	93.60
400	109.83
450	100.45
500	216.28
600	224.89
800	281.24

Low-Peak Dual-Element Fuses High interrupting capacity -- Current Limiting

Conforms with Underwriters' Laboratories, Inc. Class K-5 Requirements. Now with Class RK5 rejection feature, CSAHRC Form I Class H. Hold 500% load for minimum of ten seconds -- Have interrupting rating of 200,000 amperes rms symmetrical -- Limit fault currents to low values.

Fuses 70 amps and above have contact blades.

Fuses 70 amps and above have contact blades.

Mfr.'s Type and Rating	Price
250VAC Rating	
LPN-RK with amp ratings 1/10SP, 2/10SP, 4/10SP	17.84
1/2SP	13.62
6/10SP	15.78
8/10SP	17.03
1SP	11.65
1-1/8SP	17.84
1-1/4SP	17.03
1/4/10SP	17.78
1-6/10SP	11.82
1-8/10SP	17.78
2SP	9.57
2-1/4SP	17.78
2-1/2SP	13.39
2-8/10SP	17.03
3SP, 3-2/10SP	11.65
3-1/2SP	13.62
4SP	11.65
4-1/2SP	13.62
5SP	9.57
5-6/10SP	17.03
6SP	11.65
6-1/4SP	13.39
8SP	11.65
9SP	15.78
10SP	9.57
12SP	11.65
15SP	8.80
17-1/2SP	10.97
20SP, 25SP, 30SP	8.80
35SP, 40SP, 45SP, 50SP, 60SP	20.59
70SP, 80SP, 90SP, 100SP	48.17
110SP	142.58
125SP, 150SP	99.94
175SP	121.54
200SP	99.94
225SP, 250SP, 300SP	242.25
350SP	246.83
400SP	199.26
500SP	304.25
600SP	245.60
600 VAC Rating	
LPS-RK with amp ratings 1/10, 2/10, 3/10, 4/10	24.46
1/2, 6/10, 8/10	23.42
1	16.03
1-1/8	23.42
1-1/4	16.35
1-4/10	23.42
1-1/2	21.80
1-6/10	18.31
1-8/10	24.46
2	15.05
2-1/4	18.31
2-1/2	16.03
2-8/10	18.45
3	13.17
3-2/10, 3-1/2,	16.03
4	13.17
4-1/2	18.81
5	13.17
5-6/10	17.81
6	13.17
6-1/4, 7	16.03
8	13.17
9	16.03
10, 12	13.17
15, 17-1/2, 20, 25, 30	12.41
35, 40, 45, 50, 60	26.27
70, 80, 90, 100	59.40
110, 125, 150, 175, 200	119.00
225, 250, 300	245.09
350	297.98
450	375.48
600	303.05

Special Purpose & Industrial Fuses

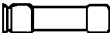
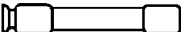
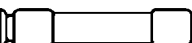
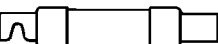
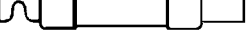
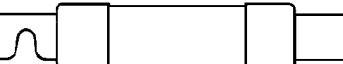
Limitron Fast-Acting Class J Fuses

High Interrupting Capacity--Current Limiting give safe short-circuit protection for circuits and equipment on systems with available fault currents up to 200,000 amperes at 600 volts or less. U.L. Class J, CSAHRC Form 1 Class J.

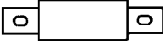
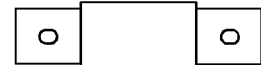
Fuses 70 amps and above have contact blades.

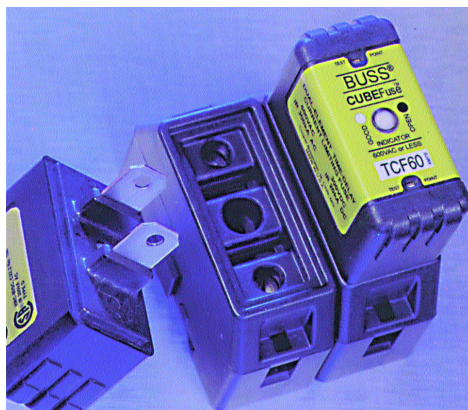
Mfr.'s Type and Rating	Price
600 VAC Rating	
JKS with amp ratings 1	23.53
3	22.61
4, 5	23.53
6	19.47
10, 15, 20	18.13
25	22.61
30	15.43
35	36.77
40	29.56
45	36.86
50	29.56
60	25.19
70	48.22
80	55.94
90	58.34
100	38.19
110	107.55
125, 175	103.15
200	71.84
225, 250	227.00
300	182.10
350	226.91
400	158.18
450	334.98
500	321.10
600	223.77

LPN-RK / LPS-RK

(250V) 1/10Ato 30A	
(250V) 35Ato 60A	
(600V) 1/10Ato 30A	
(600V) 35Ato 60A	
(250V) 70Ato 100A (600V)	
(250V) 110Ato 200A (600V)	
(250V) 225Ato 400A (600V)	
(250V) 450Ato 600A (600V)	

LPJ / JKS

(600V) 1Ato 30A	
(600V) 35Ato 60A	
(600V) 65Ato 100A	
(600V) 110Ato 200A	
(600V) 225Ato 400A	
(600V) 450Ato 600A	



- Meets UL Class J Time-Delay electrical performance requirements.
- High interruption rating to safely interrupt overcurrent faults up to 300,000 amperes.
- Permanent open-fuse indication.
- Smallest footprint of any power class fuse including Class J, CC, T and RK.
- Meets NFPA 70E requirements for employee safety from flash hazards.
- No venting of arc or molten metal and gases during opening.
- Fuse replacement in Finger-Safe environment.
- Smaller modular footprint opens panel space for more functions.
- Dovetail fuseholder design for ganging multiple fuse poles.
- 30- and 60-Amp fuseholders can be ganged together.
- 30-Amp fuses can be plugged into the 60-Amp holder without a reducer.
- 35mm DIN rail and chassis mounting features.
- True dual element fuse construction with a minimum of 10 seconds time-delay on 500% overload.
- Long time-delay minimizes nuisance circuit openings due to temporary overloads and transient surges.
- Time-delay characteristics can be matched for back-up protection against motor burnout from overload or single-phasing if other overload devices fails.
- Faster response to damaging short-circuit faults reduces the destructive let-through thermal and magnetic forces.
- Designed to be internationally accepted and specified world class standard.
- Meets requirements of NEC 110 for electrical installations.
- Robust cycling and inrush current withstand.
- Low let-through currents under short circuit fault conditions.
- Coordinates with IEC motor starters for Type 2 "no damage" protection.
- Low watt loss reduces power consumption and lowers operating temperature.
- Conventional Class J fuse case sizes and ampere ratings.
- Fuseholder wire ports rated for dual wires.

Catalog Symbol: TCF(Fuse) & TCFH (Holder)

Dual-Element, Time-Delay Fuse: 10 Seconds Minimum Operating Time at 500% Rated Current

Current-Limiting: Starting at 30 Times Fuse Rating

Ampere Rating: 1 to 60 AC Amperes

Voltage Rating: 600 Volts AC (or less)

Interrupting Rating: 300,000ARMS Symmetrical

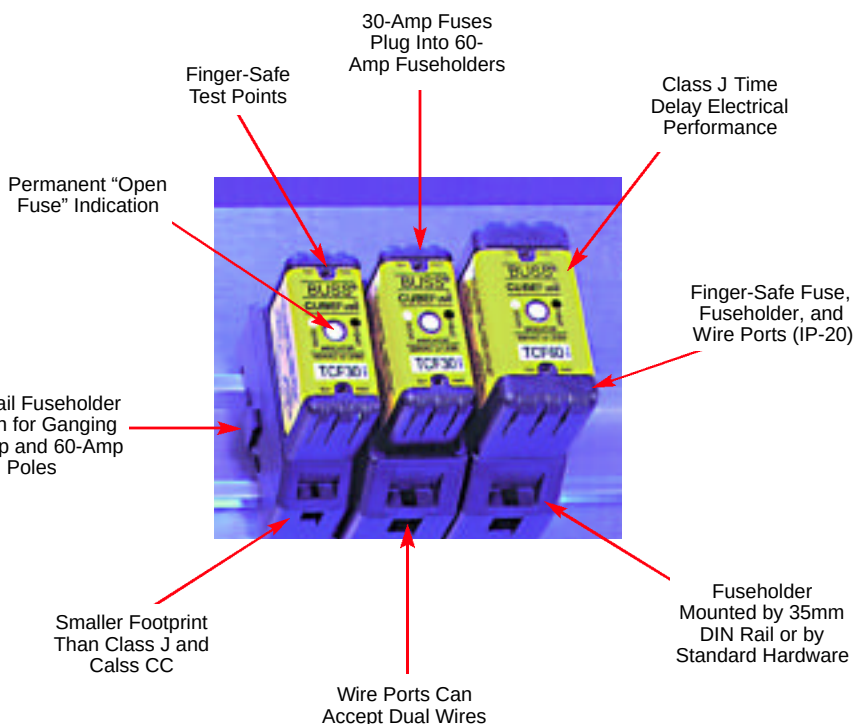
Agency Approvals: UL Listed Special Purpose Fuse (per UL248-8)
CSACertified HRCI - Misc. Fuse (per CSA-22.2 No. 106)

Other Electrical Certifications: IEC 60269-2-1 Low-Voltage Fuses for Class J
Electrical Operating Characteristics
IEC 60529 Degrees of Protection Provided by Enclosures (IPCode)
CE Compliance for the European Union Low Voltage Directive (50-100V AC, 75-1500V DC)

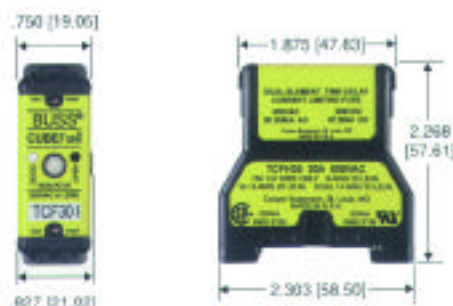
DC Voltage Rating: 300 Volts DC (or less), 20,000AIR

Mfr.'s Type & Amp Rating	Price	Mfr.'s Type & Amp Rating	Price
TCF1		TCF30	
TCF3		TCF35	
TCF6		TCF40	
TCF10		TCF45	
TCF15		TCF50	
TCF17.5		TCF60	
TCF20		TCFH30	
TCF25		TCFH60	

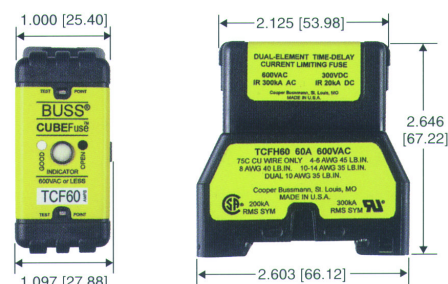
Bussmann is proud to introduce the CUBEFuse - the most innovative fuse design in over 50 years. The CUBEFuse offers world-class protection, increased safety, reduced size and improved electrical performance all in a new international package. The CUBEFuse also provides the designer and specifier with a circuit protection system that is hassle-free and simple to implement. And because of the "Finger-Safe" design, the CUBEFuse provides added protection against flash hazards. No longer will engineers need to struggle to specify protection.



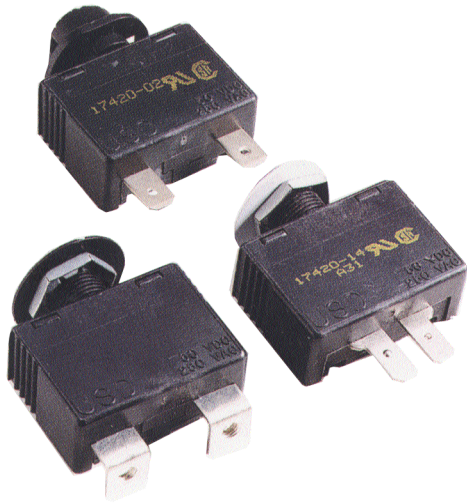
30-Amp CUBEFuse™ Fuse and Fuseholder Dimensions - in (mm)



60-Amp CUBEFuse™ Fuse and Fuseholder Dimensions - in (mm)



Series 174 Flat-Pak Manual Reset Circuit Protectors



SPECIFICATIONS

Single Pole Thermal Type Breakers

Ratings: 5A to 40A. The derating curves are the same as those for series 120.

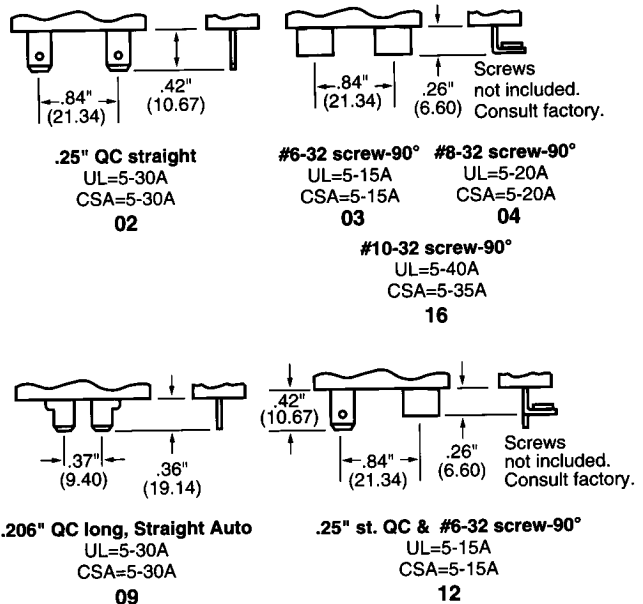
Operating Temperature: -100°F (-230°C) to 150°F (65°C).

Storage Temperature: -200°F (-290°C) to 200°F (93°C)

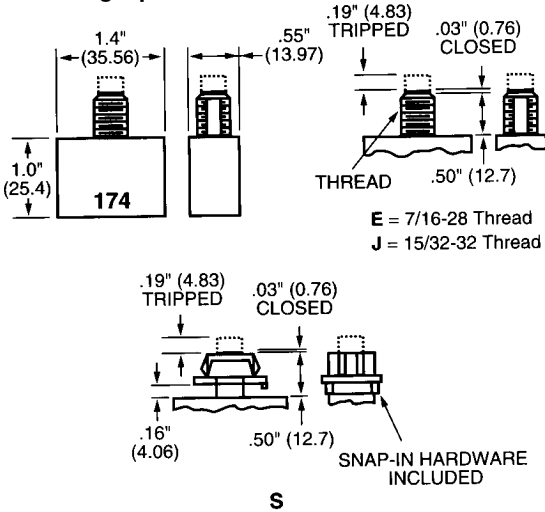
Applications: Multiple power outlet strips, trucks, RV's, boats, buses, portable generators, building equipment, etc.

Approvals: Series 1077; UL 4569; CSA LR60443; see individual terminal styles for specific rating approvals

Terminal Options



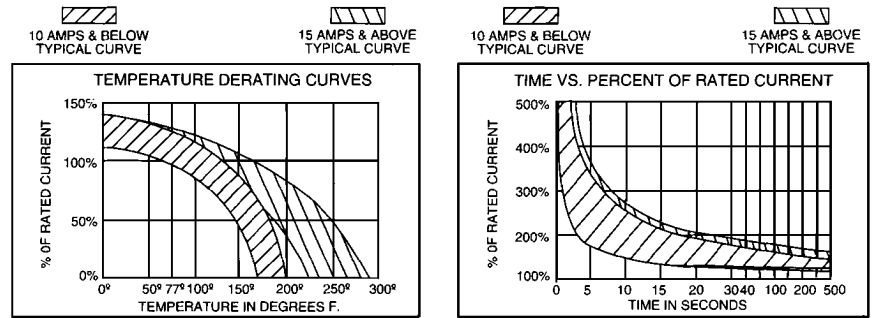
Bushing Options



Series	Rating	Housing	Bushing	Terminal	Button	Hardware Pkg.	Mounting Hardware
174	08-8 amps 10-10 amps 15-15 amps 20-20 25-25 amps 30-30 amps 35-35 amps* 40-40 amps*	4 - Standard	E - 7/16-28 x .50 molded J-15/32 x .50 molded S-Snap-in bushing	02-.25" QC straight 03-# 6-32 screw - 90o 04-#8-32 screw -90o 09-.206 QC long straight 12-.25 QC 16-#10-32 screw - 90o	A-White w/black rate marking E-White w/red rate marking F-White w/no rate marking L-Black w/no rate marking M-Black w/white rate marking N-Red w/no rate marking P-Red w/black rate marking	1-Assmbld.to bushing 2-Bulk 3-No hardware	A-Knurled nut & planut B-Knurled nut/palnut push to reset disk (black) C-Knurled nut D-Knurled nut push to reset disk (black) E-Knurled nut/planut & push to reset disk (white) F-Knurled nut & push to reset disk (white) G-Snap-in attachment to bushing (required on s bushing) H-Black knurled nut

* Available with terminals 04 or 16 only

Series 190 MAXI Auto, Manual & Modified Reset Circuit Breakers



SPECIFICATIONS

Single Pole Thermal Type Breakers

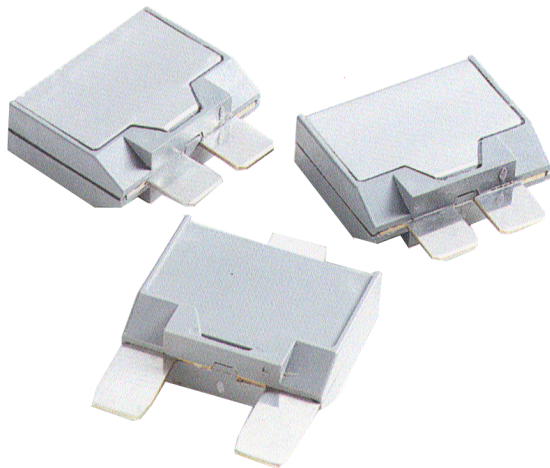
Ratings: 8A to 50A; Series 191 & 192
12 VDC; Series 193, 194 & 195 24 VDC.

Operating Temperature: -20°F (-10°C) to 150°F (65°C)

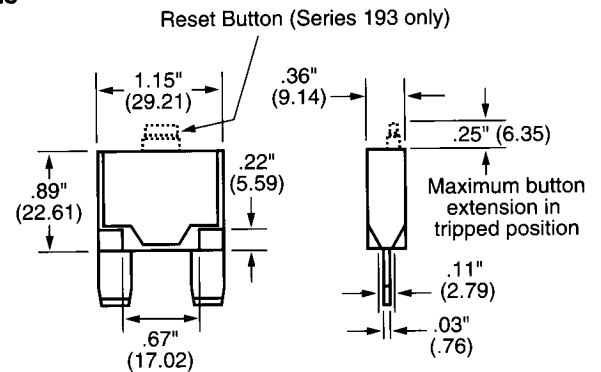
Storage Temperature: -20°F (-10°C) to 200°F (93°C)

Applications: Trucks, RV's, buses, boats, portable generators, welding equipment, etc.

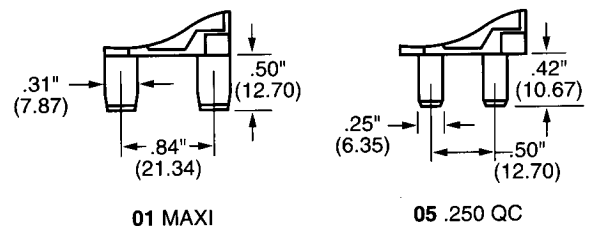
Interchangeable Blade Terminals; with MAXI blade fuse.



Dimensions



Terminal Options



Part Numbering System

Series	Rating	Terminal	Terminal	Button	Marking
1 9 191 - Auto Reset 192 - Auto Reset 193 - Manual 194 - Switchable/Manual 195- Modified Reset	08 10 15 20 25 30 35 40 50 08-8 amps 10-10 amps 15-15 amps 20-20 amps 25-25 amps 30-30 amps 35-35 amps 40-40 amps 50-50 amps	01 05 01- Maxi 05- .250 Q.C.	M P M - Metal P - Plastic	Blank 1 2 Blank - No button 1 - Black 2 - White	Consult Consult Carlton-Bates Company for special markings.

Series 120 ShortstopAuto, Manual & Modified Circuit Protectors

Specifications

Single Pole Thermal Type Breakers

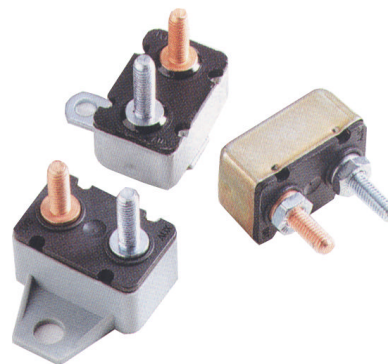
Ratings: 8Ato 50A; 12VDC; 24 VDC

Operating Temperature: -10°F (23°C) to 150°F (65°C)

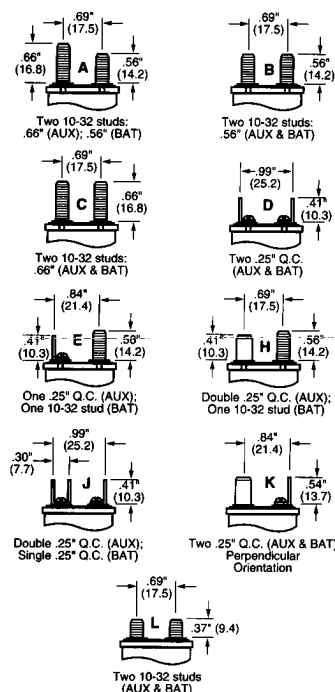
Storage Temperature: -20°F (-29°C) to 200°F (93°C)

Applications: Battery chargers, trucks, buses, RV's, trolling motors, etc.

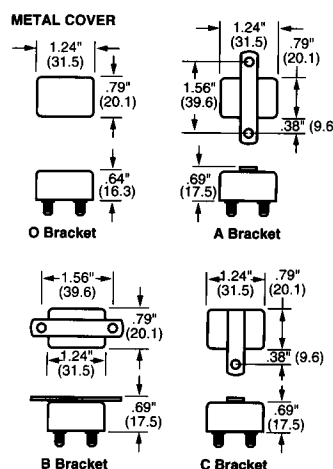
Approvals: Complies with SAE Standard J553



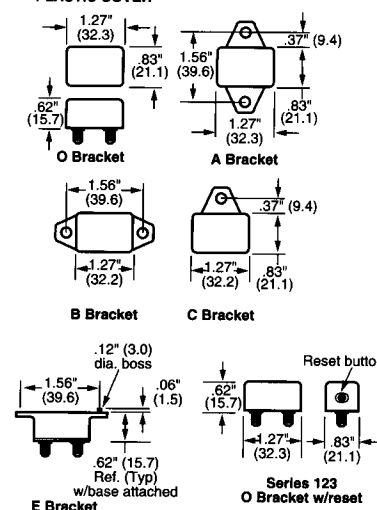
Terminal Options



Cover & Bracket Options



PLASTIC COVER



Part Numbering System

Series	Terminal	Ratings	Bracket	Mtg. Holes	Cover*	Options	Hardware
121 - Auto Reset 12 VDC	A - Two 10-32 studs; .66 (Aux), .56 (Bat)	08 - 8 amps 10 - 10 amps	O - No bracket A - Bracket	0 - No bracket 1 - .140 dia.	M - Metal P - Plastic	01 - Waterproof (metal covers only)	WA - Whiz-lock nut assembled
122 - Modified 12 VDC	B - Two 10-32 studs; .56 (Aux & Bat)	12 - 12 amps 15 - 15 amps	B - Bracket C - Bracket	2 - .496 dia. 3 - .237 dia.		02 - Splashproof (optional on metal covers add 02 suffix; std. on plastic covers	WB - Whiz-lock nut bulk un- assembled
123 - Manual 24 VDC	C - Two 10-32 studs; .66 (Aux & Bat)	20 - 20 amps 25 - 25 amps	E - Bracket (plastic only)	4 - .265 dia. (plastic only)		- omit 02 suffix.)	HA - Nut & lock washer assembled
124 - Auto 115 VAC	*** D - Two .250 QC; (Aux & Bat)	30 - 30 amps 35 - 35 amps		5 - .228 dia. (plastic only)			HB - Nut & lock washer bulk unassembled
125 - Modified 24 VDC	*** E - One .250 QC (Aux); One 10-32 stud (Bat)	40 - 40 amps 50 - 50 amps		6 - .221 dia. (metal only)			KA - Keps lock nut assembled
	** H - One 10-32 stud .56 (Bat, Double .250 QC (Aux)						KB - Keps lock nut bulk unassembled
	*** J - Single .250 QC (Bat) Double .250 QC (Aux)						
	*** K - Two .250 QC (Aux & Bat)						
	L - Two 10-32 studs; 37 (Aux & Bat)						

* Series 123 available in plastic cover only.
Series 122 & 125 available in metal cover only
** 40A maximum
*** 30A maximum

Specifications

Single Pole Thermal Type Breakers

Ratings: 40A to 150A; 30 VDC.

Operating Temperature: -25°F (-32°C) to 180°F (82°C)

Storage Temperature: -30°F (-34°C) to 300°F (149°C)

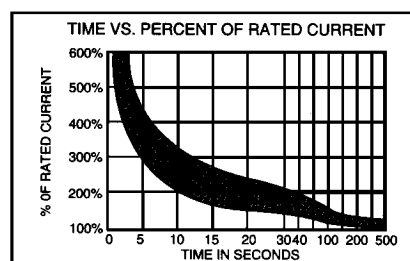
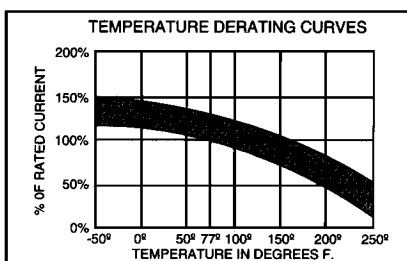
Applications: Typically used in auxiliary and accessory circuits -- trucks, buses, RV's and marine applications. Others might include battery chargers and DC audio systems. Series 181, 184 and 185 are sealed for engine compartment and bilge area applications.

Housing: Thermoset plastic; UL rated 94VO; 311°F (155°C). Stud insulators are provided on all covered units.

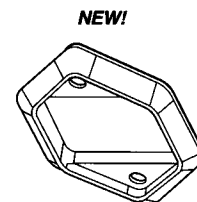
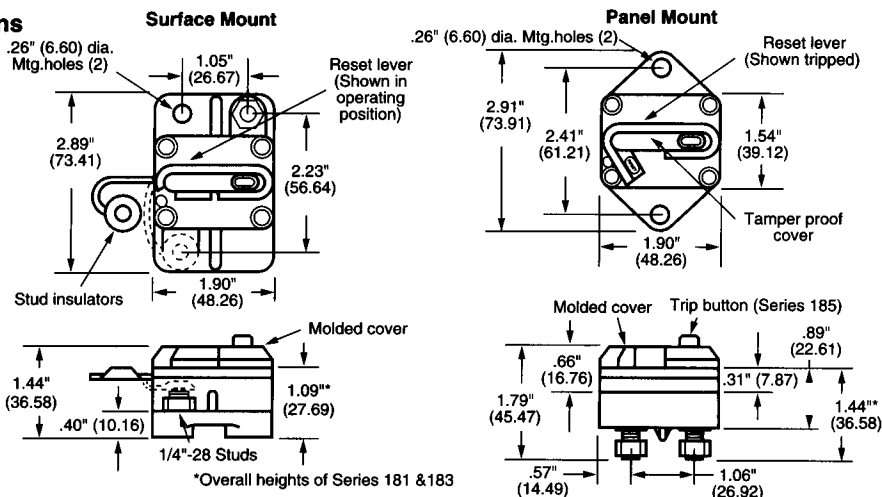
Mounting: Panel surface

Indicator: Series 184 and 185 have a unique reset mechanism which provides visible indication of tripped condition.

Approvals: Complies with SAE Standard J1625



Dimensions



Flange mount gasket for through-wall applications (option 07)

Part Numbering System

Series	Rating	Mounting	Terminal Hardware	Marking
1 8 181 - Auto Reset 183 - Auto Reset 184 - Manual 185 - Switchable/Manual	040 050 060 070 080 090 100 110 120 135 150 040 - 40 amps 050 - 50 amps 060 - 60 amps 070 - 70 amps 080 - 80 amps 090 - 90 amps 100 - 100 amps 110 - 110 amps 120 - 120 amps 135 - 135 amps 150 - 150 amps	F P F - Surface Mount P - Panel Mount	00 01 02 03 04 05 06 07 08 00 - Ship w/o nuts 01 - Sems nuts installed 02 - Sems nuts shipped bulk 03 - Stainless Steel Std. nuts & washers installed 04 - Stainless Steel Std. nuts & washers shipped bulk 05 - Sems nuts - bulk/eyelets installed 06 - Sems nuts & eyelets installed 07 - Flange gasket & Sems nuts installed 08 - Threaded insert & Sems nuts installed	0 1 0 - Blank cover 1 - Standard Marking; Part Number, Amp Rating 181, 184, 185 Series - Top Surface 183 Series - Side Surface Consult Carlton-Bates Company for special markings