

AGC, AGC-V SERIES FAST ACTING GLASS TUBE FUSES 1/4" LONG x 1/4" DIA.



AGC—Glass tube with albaloy plated brass end caps. Packaged 5/ctn.

AGC-V—Glass tube with axial leads. Packaged 4/box.

UL Listed 0-10A, Guide JDYX, File E19180. UL Recognized 15-30A, Guide JDYX2, File E19180. CSA Certified, Class 1422-01, File 53787.

AGC SERIES FUSES

Mfr. No.	Rating Amps	AC/DC* Inter. Rating Amps	Mfr. No.	Rating Amps	AC/DC* Inter. Rating Amps
Rated 250 VAC/VDC*					
AGC-1/200	1/200	35	AGC-1 1/4	1 1/4	100
AGC-1/100	1/100	35	AGC-1 1/2	1 1/2	100
AGC-1/32	1/32	35	AGC-1 5/10	1 5/10	100
AGC-1/20	1/20	35	AGC-1 3/4	1 3/4	100
AGC-1/16	1/16	35	AGC-1 9/10	1 9/10	100
AGC-1/10	1/10	35	AGC-2	2	100
AGC-1/8	1/8	35	AGC-2 1/4	2 1/4	100
AGC-15/100	15/100	35	AGC-2 1/2	2 1/2	100
AGC-17 1/2/1000	17 1/2/1000	35	AGC-3	3	100
AGC-3/16	3/16	35	AGC-3 3/10	3 3/10	100
AGC-2/10	2/10	35	AGC-3 1/2	3 1/2	100
AGC-1/4	1/4	35	AGC-4	4	200
AGC-3/10	3/10	35	AGC-5	5	200
AGC-3/8	3/8	35	AGC-6	6	200
AGC-4/10	4/10	35	AGC-6 1/4	6 1/4	200
AGC-1/2	1/2	35	AGC-7	7	200
AGC-5/10	5/10	35	AGC-7 1/2	7 1/2	200
AGC-3/4	3/4	35	AGC-8	8	200
AGC-5/10	5/10	35	AGC-9	9	200
AGC-1	1	35	AGC-10	10	200

Rated 32 VAC

AGC-12	12	1000	AGC-30	30	1000
AGC-14	14	1000	AGC-35	35	1000
AGC-15	15	1000	AGC-40	40	1000
AGC-20	20	1000	AGC-50	50	1000
AGC-25	25	1000	.....	.....	.....

*DC ratings are self certified. †Interrupting rating for VAC only.

Note: Interrupting ratings were measured at 70% to 80% power factor on AC, and at a time constant described in UL 198L.

AGC-V SERIES AXIAL LEAD FUSES

Mfr. No.	Rating Amps	AC/DC* Inter. Rating Amps	Mfr. No.	Rating Amps	AC/DC* Inter. Rating Amps
Rated 250 VAC/VDC*					
AGC-V-1/8	1/8	35	AGC-V-2 1/2	2 1/2	100
AGC-V-1/4	1/4	35	AGC-V-3	3	100
AGC-V-1/2	1/2	35	AGC-V-4	4	200
AGC-V-3/4	3/4	35	AGC-V-5	5	200
AGC-V-1	1	35	AGC-V-6	6	200
AGC-V-1 1/4	1 1/4	100	AGC-V-7	7	200
AGC-V-1 1/2	1 1/2	100	AGC-V-7 1/2	7 1/2	200
AGC-V-1 3/4	1 3/4	100	AGC-V-8	8	200
AGC-V-2	2	100	AGC-V-10	10	200
Rated 32 VAC					
AGC-V-15	15	1000†	AGC-V-25	25	1000†
AGC-V-20	20	1000†	AGC-V-30	30	1000†

*DC ratings are self certified. †Interrupting Rating VAC only.

Note: Interrupting ratings were measured at 70% to 80% power factor on AC, and at a time constant described in UL 198L.

MDA AND MDA-V PC BOARD & SMALL DIMENSION TIME-DELAY FUSES



Time-Delay fuse constructed of ceramic tube; Albaloy plated brass end caps. UL Listed, Guide JDYX, File E19180, 0-15A. CSA Certification, Class 1422-01, File 53787, 0-15A. Dimensions: 1/4" long x 1/4" dia.

Mfr. No.	Rating Amps	Ctn. Qty.	Mfr. No.	Rating Amps	Ctn. Qty.
250 VAC					
MDA-2/10	2 1/10	5	MDA-4	4	5
MDA-1/4	1/4	5	MDA-5	5	5
MDA-1/2	1/2	5	MDA-6	6	5
MDA-3/4	3/4	5	MDA-7	7	5
MDA-1	1	5	MDA-8	8	5
MDA-11/2	1 1/2	5	MDA-10	10	5
MDA-2	2	5	MDA-15	15	5
MDA-21/2	2 1/2	5	MDA-20	20	5
MDA-3	3	5

125 VAC

MDA-25	25	5	MDA-30	30	5
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MDA-V SERIES FUSES WITH AXIAL LEAD

Mfr. No.	Rating Amps	Ctn. Qty.	Mfr. No.	Rating Amps	Ctn. Qty.
250 VAC					
MDA-V-1	1	4	MDA-V-10	10	4
MDA-V-2	2	4	MDA-V-12	12	4
MDA-V-3	3	4	MDA-V-15	15	4
MDA-V-4	4	4	MDA-V-20	20	4
MDA-V-5	5	4	MDA-V-30	30	4
MDA-V-8	8	4	.....	.....	.....

ABC SERIES FAST ACTING CERAMIC TUBE FUSES 1 1/4" LONG x 1/4" DIA.



UL Listed 0-15A, Guide JDYX, File E19180. UL Recognized 20-25A, Guide JDYX2, File E19180. CSA Certified 0-15A, Class 1422-01, File 53787. CSA Certified 20-25A, Class 1422-30, File 53787. Packaged 5/ctn.

Mfr. No.	Rating Amps	AC Inter. Rating Amps	Mfr. No.	Rating Amps	AC Inter. Rating Amps
Rated 250 VAC					
ABC-1/8	1/8	35	ABC-5	5	200
ABC-1/4	1/4	35	ABC-6	6	200
ABC-1/2	1/2	35	ABC-7	7	200
ABC-3/4	3/4	35	ABC-8	8	200
ABC-1	1	35	ABC-9	9	200
ABC-1 1/2	1 1/2	100	ABC-10	10	200
ABC-2	2	100	ABC-12	12	200
ABC-2 1/2	2 1/2	100	ABC-15	15	750
ABC-3	3	100	ABC-20	20	400
ABC-4	4	200	.....	.....	.....
Rated 125 VAC					
ABC-25	25	1000	ABC-30	30	1000

MDL SERIES TIME-DELAY GLASS TUBE FUSES 1 1/4" LONG x 1/4" DIA.



MDL—Glass tube fuse with al-balay plated brass end caps. Packaged 5/ctn.

MDL-V—Glass tube fuse with axial leads. Packaged 4/ctn.

UL Listed 1/16-8A, Guide JDYX, File E19180. UL Recognized 8.1-30A, Guide JDYX2, File E19180. CSA Certified 1/16-8A, Class 1422-01, File 53787.

MDL SERIES FUSES

Mfr. No.	Rating Amps	AC Inter. Rating Amps	Mfr. No.	Rating Amps	AC Inter. Rating Amps
Rated 250 VAC					
MDL-1/10	1/100	35	MDL-1 1/4	1 1/4	100
MDL-1/32	1/32	35	MDL-1 1/2	1 1/2	100
MDL-1/16	1/16	35	MDL-1 5/10	1 5/10	100
MDL-1/10	1/10	35	MDL-1 9/10	1 9/10	100
MDL-1/8	1/8	35	MDL-2	2	100
MDL-15/100	15/100	35	MDL-2 1/4	2 1/4	100
MDL-2/10	2/10	35	MDL-2 1/2	2 1/2	100
MDL-3/16	3/16	35	MDL-2 9/10	2 9/10	100
MDL-1/4	1/4	35	MDL-3	3	100
MDL-3/10	3/10	35	MDL-3 3/10	3 3/10	100
MDL-3/8	3/8	35	MDL-3 1/2	3 1/2	100
MDL-4/10	4/10	35	MDL-4	4	200
MDL-1/2	1/2	35	MDL-5	5	200
MDL-9/10	9/10	35	MDL-6	6	200
MDL-7/10	7/10	35	MDL-6 1/4	6 1/4	200
MDL-3/4	3/4	35	MDL-7	7	200
MDL-9/10	9/10	35	MDL-7 1/2	7 1/2	200
MDL-1	1	35	MDL-8	8	200
MDL-1 1/10	1 1/10	100	.....	.....	.....

Rated 32 VAC

MDL-9	9	1000	MDL-20	20	1000
MDL-10	10	1000	MDL-25	25	1000
MDL-12	12	1000	MDL-30	30	1000
MDL-15	15	1000	.....	.....	.....

MDL-V SERIES AXIAL LEAD FUSES

Mfr. No.	Rating Amps	AC Inter. Rating Amps	Mfr. No.	Rating Amps	AC Inter. Rating Amps
Rated 250 VAC					
MDL-V-1/8	1/8	35	MDL-V-2	2	100
MDL-V-1/4	1/4	35	MDL-V-3	3	100
MDL-V-1/2	1/2	35	MDL-V-4	4	200
MDL-V-1	1	35	MDL-V-5	5	200
MDL-V-1 1/4	1 1/4	100	MDL-V-6	6	200
MDL-V-1 1/2	1 1/2	100	MDL-V-8	8	200

Rated 32 VAC

MDL-V-10	10	1000	MDL-V-20	20	1000
MDL-V-15	15	1000	.....	.....	.....

GBB SERIES VERY FAST ACTING, CERAMIC CARTRIDGE 250 VAC FUSES



1 1/4" long x 1/4" dia. Ceramic Cartridge Fuse. Voltage Rating: 250 VAC; 125 VDC. UL Recognized, 1-30A, 125 VDC; 1-30A, 250 VAC.

Guide JFHR2, File E56412. CSA Certified, 1-10A, 125 VDC; 1-10A, 250 VAC, Class 1422-01, File 53787. Package 5/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
GBB-1	1	GBB-8	8
GBB-1 1/4	1 1/4	GBB-9	9
GBB-2	2	GBB-10	10
GBB-3	3	GBB-12	12
GBB-4	4	GBB-15	15
GBB-5	5	GBB-20	20
GBB-6	6	GBB-25	25
GBB-7	7	GBB-30	30

GDA SERIES FAST ACTING HIGH BREAKING CAPACITY 5MM x 20MM CERAMIC TUBE FUSES



Designed to IEC Standards. 0.788" long x 0.197" dia. ceramic tube fuse with nickel or silver plated brass end caps. Interrupting Rating: 1500A at 250 VAC. UL Recognized 50mA and 315mA-6.3A, Guide JDYX2, File E75865. SEMKO Approval 50mA, 200mA and 315mA-6.3A. Packaged 5/ctn.

Mfr. No.	Rating Amps	I ² t	Max. Voltage Drop mV
GDA-50mA	.050	0.0017	9000
GDA-63mA	.063	0.0005	3300
GDA-80mA	.080	0.0011	2600
GDA-100mA	.100	0.0018	2300
GDA-125mA	.125	0.0037	1900
GDA-160mA	.160	0.008	1600
GDA-200mA	.200	0.020	1350
GDA-250mA	.250	0.027	1300
GDA-315mA	.315	0.010	1400
GDA-400mA	.400	0.018	1200
GDA-500mA	.500	0.038	1050
GDA-630mA	.630	0.064	1200
GDA-800mA	.800	0.097	490
GDA-1A	1.000	0.480	230
GDA-1.25A	1.250	0.9	200
GDA-1.6A	1.600	1.9	180
GDA-2A	2.000	2.0	205
GDA-2.5A	2.500	3.9	190
GDA-3.15A	3.150	8.1	160
GDA-4A	4.000	14.0	160
GDA-5A	5.000	25.0	155
GDA-6.3A	6.300	48.0	150

GDB SERIES FAST ACTING LOW BREAKING CAPACITY 5MM x 20MM GLASS TUBE FUSES



Designed to IEC Standards. 0.788" long x 0.197" dia. glass tube fuse with nickel or silver plated brass end caps. Interrupting Rating: 35A at 250 VAC or 10X rated current. UL Recognized 32mA-6.3A, Guide JDYX2, File E75865. SEMKO Approval. VDE Approval, IMQ. British Standard Approval. Designed to IEC (Pub 127) Sheet III. Packaged 5/ctn.

Mfr. No.	Rating Amps	I ² t	Max. Voltage Drop mV
GDB-32mA	.032	0.000047	10000
GDB-40mA	.040	0.00011	8000
GDB-50mA	.040	0.00020	3200
GDB-63mA	.063	0.00057	2500
GDB-80mA	.080	0.0012	2200
GDB-100mA	.100	0.003	2100
GDB-125mA	.125	0.005	2000
GDB-160mA	.160	0.008	1950
GDB-200mA	.200	0.016	1600
GDB-250mA	.250	0.028	1400
GDB-315mA	.315	0.058	1150
GDB-400mA	.400	0.018	950
GDB-500mA	.500	0.018	220
GDB-630mA	.630	0.035	220
GDB-800mA	.800	0.067	180
GDB-1A	1.000	0.60	200
GDB-1.25A	1.250	0.84	200
GDB-1.6A	1.600	1.6	190
GDB-2A	2.000	4.2	160
GDB-2.5A	2.500	6.1	145
GDB-3.15A	3.150	13.0	130
GDB-4A	4.000	22.0	120
GDB-5A	5.000	42.0	115
GDB-6.3A	6.300	69.0	110
GDB-8A	8.000*	.....	.....
GDB-10A	10.000*	.....	.....

*IEC Standard 127 Sheet III does not include ratings above 6.3A.

GMC SERIES MEDIUM TIME-DELAY 5 x 20mm Glass Tube Fuses



Designed to North American Standards. 0.788" Long x 0.197" Dia. glass tube fuse with nickel or silver plated Brass end caps. Designed to UL 198G and CSA 22.2 N59 standards. UL Listed 0-6.3A, Guide JDYX, File E75865. UL Recognized 7-10A, Guide JDYX2, File 75865. CSA Certified 0-6.3A, Class 1422-01, File 65063. Packaged 5/carton.

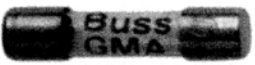
Mfr. No.	Amps	Mfr. No.	Amps
Rated 250 VAC, p.f.-0.7 to 0.8 Breaking Capacity: 35A at 250 VAC; 10000A at 125 VAC			
GMC-63mA	.063	GMC-400mA	.400
GMC-100mA	.100	GMC-500mA	.500
GMC-125mA	.125	GMC-600mA	.600
GMC-150mA	.150	GMC-630mA	.630
GMC-200mA	.200	GMC-750mA	.750
GMC-250mA	.250	GMC-800mA	.800
GMC-300mA	.300	GMC-1A	1.000
GMC-315mA	.315	.....	.....

Rated 250 VAC, p.f.-0.7 to 0.8 Breaking Capacity: 100A at 250 VAC; 10000A at 125 VAC			
GMC-1.5A	1.500	GMC-2.5A	2.500
GMC-1.6A	1.600	GMC-2.5A	2.500
GMC-2A	2.000	GMC-3.15A	3.150

Rated 125 VAC, p.f.-0.7 to 0.8 Breaking Capacity: 10000A at 125 VAC			
GMC-3.5A	3.500	GMC-5A	5.000
GMC-4A	4.000	GMC-6A	6.000

Rated 125 VAC, p.f.-1.0 Breaking Capacity: 200A at 125 VAC			
GMC-7A	7.000	GMC-10A	10.000
GMC-8A	8.000	.....	.....

GMA SERIES FAST-ACTING 5 x 20mm Glass Tube Fuses



Designed to North American Standards. 0.788" Long x 0.197" Dia. glass tube fuse with nickel or silver plated brass end caps. Designed to UL 198G and CSA 22.2 N59 standards. UL Listed 0-6A, Guide JDYX, File E75865. UL Recognized 7-15A, Guide JDYX2, File 75865. CSA Certified 0-6A, Class 1422-01, File E75865. Packaged 5/carton.

Mfr. No.	Amps	Mfr. No.	Amps
Rated 250 VAC, p.f.-0.7 to 0.8 Breaking Capacity: 35A at 250 VAC; 1000A at 125 VAC			
GMZ-63mA	.063	GMA-315mA	.315
GMA-100mA	.100	GMA-500mA	.500
GMA-125mA	.125	GMA-600mA	.600
GMA-200mA	.200	GMA-750mA	.750
GMA-250mA	.250	GMA-800mA	.800
GMA-300mA	.300	GMA-1A	1.000

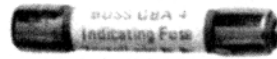
Rated 125 VAC, p.f.-0.7 to 0.8 Breaking Capacity: 100A at 250 VAC; 1000A at 125 VAC			
GMA-1.25A	1.250	GMA-2A	2.000
GMA-1.5A	1.500	GMA-3A	3.000
GMA-1.6A	1.600	.....	.....

Rated 125 VAC, p.f.-0.7 to 0.8 Breaking Capacity: 10000A at 125 VAC			
GMA-3.15A	3.150	GMA-5A	5.000
GMA-3.5A	3.500	GMA-6A	6.000
GMA-4A	4.000	.....	.....

Rated 125 VAC, p.f.-1.0 Breaking Capacity: 200A at 125 VAC			
GMA-7A	7.000	GMA-8A	8.000

Rated 125 VAC, p.f.-1.0 Breaking Capacity: 150A at 125 VAC			
GMA-10A	10.000	GMA-15A	15.000

GBA SERIES FAST ACTING PIN INDICATING FUSES



Fast acting 1/4" Long x 1/4" Dia. pin indicating fuse. Red pin for high visibility. UL Listed 0-5A at 125 VAC; 10,000AIC, Guide JDYX, File E19180. UL Recognized 6A at 125 VAC, 1000AIC; 8-15A at 150 VAC/VDC, 300AIC, Guide JDYX2, File E19180. CSA Certified, Class 1422-01, File 53787.

Mfr. No.	Amp	Mfr. No.	Amp
GBA-1/2	1/2	GBA-4	4
GBA-3/4	3/4	GBA-5	5
GBA-1	1	GBA-8	8
GBA-1 1/2	1 1/2	GBA-10	10
GBA-2	2	GBA-15	15
GBA-3	3	.....	.....

AGX SERIES FAST ACTING GLASS TUBE FUSES



1" Long x 1/4" Dia. UL Listed 0-5A, Guide JDYX, File E19180. UL Recognized 6-30A, Guide JDYX2, File E19180, CSA Certified 0-5A, Class 1422-01, File 47233. Package 5/carton.

Mfr. No.	Amp	Mfr. No.	Amp
Rated 250 VAC			
AGX-1/200	1/200	AGX-3/8	3/8
AGX-1/100	1/100	AGX-1/2	1/2
AGX-1/50	1/50	AGX-3/4	3/4
AGX-1/25	1/25	AGX-1	1
AGX-1/10	1/10	AGX-1 1/4	1 1/4
AGX-1/8	1/8	AGX-1 1/2	1 1/2
AGX-3/16	3/16	AGX-2	2
AGX-1/4	1/4	.....	.....

Rated 125 VAC			
AGX-2 1/2	2 1/2	AGX-4	4
AGX-3	3	AGX-5	5

Rated 32 VAC			
AGX-6	6	AGX-20	20
AGX-7	7	AGX-25	25
AGX-8	8	AGX-30	30
AGX-10	10	AGX-35	35
AGX-15	15	AGX-50	50

GDC SERIES TIME-DELAY LOW BREAKING CAPACITY 5mm x 20mm GLASS TUBE FUSES

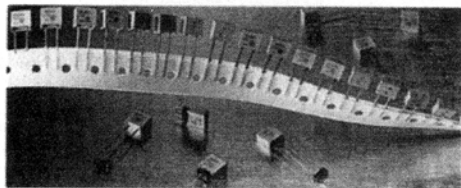


Designed to IEC Standards. 0.788" long x 0.197" dia. glass tube fuse with nickel or silver plated brass end caps. Interrupting Rating: 35A at 250 VAC or 10x rated current. UL Recognized 32mA-6.3A, Guide JDYX2, File E75865. SEMKO Approval. VDE Approval. IMQ. British Standard Approval. Designed to IEC (Pub 127) Sheet III. Packaged 5/carton.

Mfr. No.	Rating Amps	I ² t	Max. Voltage Drop mV
GDC-32mA	.032	0.0014	1050
GDC-40mA	.040	0.0034	920
GDC-50mA	.050	0.006	800
GDC-63mA	.063	0.012	760
GDC-80mA	.080	0.015	580
GDC-100mA	.100	0.022	490
GDC-125mA	.125	0.034	390
GDC-160mA	.160	0.052	320
GDC-200mA	.200	0.078	340
GDC-250mA	.250	0.17	270
GDC-315mA	.315	0.41	250
GDC-400mA	.400	0.61	210
GDC-500mA	.500	0.75	168
GDC-630mA	.630	1.3	158
GDC-800mA	.800	3.1	132
GDC-1A	1.000	3.6	85
GDC-1.25A	1.250	7.0	80
GDC-1.60A	1.600	10.0	80
GDC-2A	2.000	17.0	80
GDC-2.5A	2.500	34.0	80
GDC-3.15A	3.150	56.0	75
GDC-4A	4.000	91.0	75
GDC-5A	5.000	133.0	75
GDC-6.3A	6.300	270.0	65

PC-TRON® PC BOARD FUSE

SUBMINIATURE FUSES .350" × 0.350" × 0.184"



Constructed of high temperature plastic. Leads: 0.020" × 0.015" × 0.100" (short); 0.020" × 0.015" × 0.750" (full). AC Interrupting Rating: 1/2A to 3A—50A at 250V, 10kA at 125V; 5A—10kA at 125V. DC Interrupting Rating: 1/2A to 2 1/2A—5900A at 300V; 2 1/2A to 3A—4400A at 300V; 5A—4200A at 300V. Carry 100% of rating for 4 hrs. min. Open at 200% of rating in 10 sec. max. UL Recognized PCB, PCC, PCD, PCE and PCH; Guide JDYX2, File E19180. CSA Certified PCB, PCC, PCD, PCE and PCH; Class 1421-01, File 42731. Suitable for line-side protection of power supplies. Packaged 5/ctn.

Mfr. No.	Rating Amps	Rating	
		DC	AC
Standard Fuse Full Leads			
PCB-1/2	1/2	250	450
PCB-3/4	3/4	250	450
PCB-1	1	250	450
PCB-1 1/2	1 1/2	250	450
PCB-2	2	250	450
PCB-2 1/2	2 1/2	250	450
PCB-3	3	250	350
Short Leads			
PCC-1/2	1/2	250	450
PCC-3/4	3/4	250	450
PCC-1	1	250	450
PCC-1 1/2	1 1/2	250	450
PCC-2	2	250	450
PCC-2 1/2	2 1/2	250	450
PCC-3	3	250	350
Standard Fuse Short Leads			
PCD-5	5	125	250
Standard Fuse Short Lead			
PCE-5	5	125	250
Surface Mount Fuse			
PCH-1/2	1/2	250	350

TYPE 70 SERIES INDICATING TELECOMMUNICATIONS FUSES

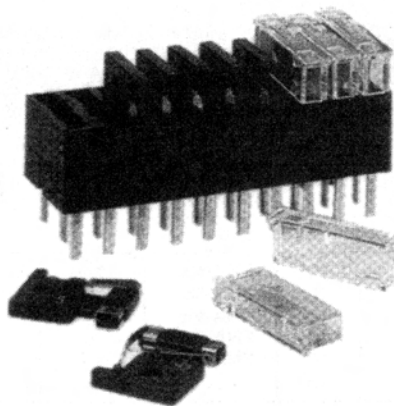


Voltage Rating: 125 VAC, 300 VDC. Designed for use with 15087 fuseholder. UL Recognized, Guide JDYX2, File E19180. Bellcore.

Mfr. No.	Rating Amps	Color Code	AT & T Comcode Ref. No.
70A-1 1/3A*	1 1/3	White	100203322
70B-2A*	2	Orange	100203330
70C-3A*	3	Blue	100203348
70D-5A*	5	Grn/Blk	100203355
70E-1 1/100A*	1 1/100	Yellow	100203363
70F-1/4A*	1/4	Violet	100203371
70G-1/2A*	1/2	Red	100203389
70H-3/4A*	3/4	Brown	100203397
70I-1A	1	Pink	.....
70J-3 1/2A	3 1/2	Blk/Wht	.....
70K-1/4A*	1/4	Violet/Wht	100203405
70L-6A	6	Grn/Wht	.....
70M-8A	8	Brown/Wht	.....
70N-10A	10	Violet/Yel	.....
70P-1/10A*	1/10	Gray/Wht	100203413
70R-1 1/100A*	1 1/100	Red/Wht	101384550
70X-3/10A	3/10	Black	.....
72A-Dummy	.....	.....	103757977

*Designed to comply with Bellcore Technical Reference TR- TSY-000799, Issue 1, December 1988.

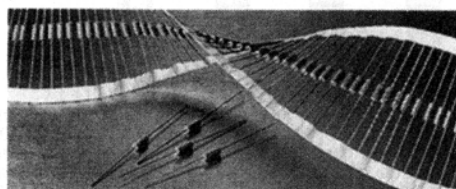
GMT SERIES FAST ACTING, INDICATING FUSES



Designed for use with HLT, HLS and PCT fuseholders. Voltage Rating: 60V DC, 125 VAC. Interrupting Rating: 450A at 60 VDC, 300A at 125 VAC. Thermoplastic body meets UL 94V-0 Flammability Test. Beryllium copper terminals. UL Recognized, Guide JFHR2, File E56412. Packaged 10/ctn.

Mfr. No.	Rating Amps	Eyelets Color Code
GMT-1 1/100	1 1/100	Yellow
GMT-1/4	1/4	Violet
GMT-1/2	1/2	Red
GMT-6 1/100	6 1/100	Black
GMT-3/4	3/4	Brown
GMT-1	1	Gray
GMT-1 1/3	1 1/3	White
GMT-1 1/2	1 1/2	White/Yellow
GMT-2	2	Orange
GMT-3	3	Blue
GMT-3 1/2	3 1/2	White/Blue
GMT-4	4	White/Brown
GMT-5	5	Green
GMT-7 1/2	7 1/2	Black/White
GMT-10	10	Red/White
GMT-Dummy	.....	.....

MCR SERIES MICROTRON® SUBMINIATURE FAST ACTING, CURRENT LIMITING FUSES



Solid matrix construction. Rating: 50A at 125 VAC, 300A at 125 VDC. Ratings achieved at 97% power factor. UL Recognized, Guide JDYX2, File E19180. CSA Certified, Class 1422-01, File 53787. JIS (Japanese Industrial Standard) Reg. No. 2221, Authorization No. 32-1516. Available on Tape/Reels with 2500 or 5000 units with 52.4mm spacing (contact distributor for information). Packaged 10/ctn.

Mfr. No.	Rating Amps	Rated Max. Voltage	
		AC	DC
MCR-1/16*	1/16	125	125
MCR-1/8*	1/8	125	125
MCR-1/4*	1/4	125	125
MCR-3/8*	3/8	125	125
MCR-1/2*	1/2	125	125
MCR-3/4*	3/4	125	125
MCR-1†	1	125	125
MCR-1 1/2†	1 1/2	125	125
MCR-2†	2	125	125
MCR-2 1/2†	2 1/2	125	125
MCR-3†	3	125	125
MCR-3 1/2†	3 1/2	125	125
MCR-4†	4	125	125
MCR-5†	5	125	125
MCR-7A‡	7	60	90
MCR-10A‡	10	60	90

*CSA and JIS rated. †UR, CSA and JIS rated. ‡UR and CSA rated.

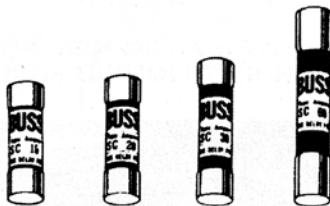
FNA SERIES DUAL-ELEMENT, PIN INDICATION, TIME-DELAY FUSES



1 1/2" long x 1 3/32" dia. fuses. Interrupting Rating: 10,000A at 125V. UL Recognized, 0-8A, 10A at 250V, Guide JDYX, File E19180. CSA Certified, 0-10 at 125V, Class 1422-01, File 53787, UL Listed 0-10A at 250V, 1-15A at 125V, Guide JDYX, File 19180. CSA Certified, 0-10A at 250V, 1-10A at 125V, Class 1422-01, File 53787.

Mfr. No.	Rating Amps	Ctn. Qty.	Mfr. No.	Rating Amps	Ctn. Qty.
250V or Less					
FNA-1/10	1/10	10	FNA-4/10	4/10	10
FNA-1/8	1/8	10	FNA-1/2	1/2	10
FNA-15/100	15/100	10	FNA-9/10	9/10	10
FNA-2/10	2/10	10	FNA-3/4	3/4	10
FNA-1/4	1/4	10	FNA-8/10	8/10	10
FNA-3/10	3/10	10	.....	.....	.....
125V or Less					
FNA-1	1	10	FNA-3 1/2	3 1/2	10
FNA-1 1/8	1 1/8	10	FNA-4	4	10
FNA-1 1/4	1 1/4	10	FNA-4 1/2	4 1/2	10
FNA-1 1/2	1 1/2	10	FNA-5	5	10
FNA-1 5/8	1 5/8	10	FNA-5 1/2	5 1/2	10
FNA-1 3/4	1 3/4	10	FNA-6	6	10
FNA-2	2	10	FNA-6 1/4	6 1/4	10
FNA-2 1/4	2 1/4	10	FNA-7	7	10
FNA-2 1/2	2 1/2	10	FNA-8	8	10
FNA-2 3/4	2 3/4	10	FNA-9	9	10
FNA-3	3	10	FNA-10	10	10
FNA-3 1/2	3 1/2	10	FNA-12	12	5
			FNA-15	15	5
32 Volts or Less					
FNA-20	20	5	FNA-30	30	5
FNA-25	25	5	.....	.....	.....

SC SERIES TIME-DELAY, 480V AC, CLASS G FUSES



25-30A—480V AC, 300V DC; 35-60A—480V AC, 400V DC. Interrupting Rating: 100,000A RMS Symmetrically. Can be used in 120/208V, 120/240V and 227/480V circuits. Branch circuit fuses that pass temporary overloads in fuses above 6A. Minimum opening time of 12 sec. with 200% overload. UL Listed, Class G, Guide JDDZ, File E4273. CSA Certified, Class 1422-01, File 53787.

Mfr. No.	Rating Amps	Ctn. Qty.	Mfr. No.	Rating Amps	Ctn. Qty.
1.319" Long x 0.41" Dia.					
SC-1/2	1/2	10	SC-5	5	10
SC-1	1	10	SC-6	6	10
SC-1 1/2	1 1/2	10	SC-8	8	10
SC-2	2	10	SC-10	10	10
SC-3	3	10	SC-15	15	10
SC-4	4	10	.....	.....	.....
1.419" Long x 0.41" Dia.					
SC-20	20	10	.....	.....	.....
1.639" Long x 0.41" Dia.					
SC-25	25	10	SC-30	30	10
2.259" Long x 0.41" Dia.					
SC-35	35	10	SC-50	50	10
SC-40	40	10	SC-60	60	10
SC-45	45	10	.....	.....	.....

GMW SERIES PIN BASE FUSES



Carry 100%, open at 200% within 10 sec. or less. Interrupting Rating: 35A at 125V. HWA holder ordered separately. AF knob for fuseholder makes holder waterproof. UL Recognized. Packaged 10/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
GMW-1/100	1/100	GMW-4/10	4/10
GMW-1/64	1/64	GMW-1/2	1/2
GMW-1/32	1/32	GMW-3/4	3/4
GMW-1/16	1/16	GMW-1	1
GMW-1/10	1/10	GMW-1 1/2	1 1/2
GMW-1/8	1/8	GMW-2	2
GMW-2/10	2/10	GMW-3	3
GMW-1/4	1/4	GMW-4	4
GMW-3/10	3/10	GMW-5	5

GLR SERIES FAST ACTING, NON-REJECTING FUSES



Fast acting, non-rejecting fuse contained in cap for use with HLR Fuseholder. Interrupting Rating: 10,000A. UL Listed 0-15A; Guide JDYX, File E19180. CSA Certified 0-10A; Class 1422-01, File 53787. 5/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
GLR-1/2	1/2	GLR-6	6
GLR-1	1	GLR-7	7
GLR-1 1/2	1 1/2	GLR-8	8
GLR-1 5/10	1 5/10	GLR-9	9
GLR-2	2	GLR-10	10
GLR-3	3	GLR-12	12
GLR-4	4	GLR-15	15
GLR-5	5	.....	.....

FNQ SERIES TIME-DELAY FUSES 500 VAC, (5 AG SIZE)



1 1/2" long x 1 3/32" dia. fibre tube fuse. Interrupting Rating: 10,000A. UL Listed, Guide JDYX, File E19180. CSA Certified, Class 1422-01, File 53787. 10/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
FNQ-1/10	1/10	FNQ-3	3
FNQ-1/8	1/8	FNQ-3 1/2	3 1/2
FNQ-15/100	15/100	FNQ-3 1/2	3 1/2
FNQ-3/16	3/16	FNQ-4	4
FNQ-2/10	2/10	FNQ-4 1/2	4 1/2
FNQ-1/4	1/4	FNQ-5	5
FNQ-3/10	3/10	FNQ-5 1/2	5 1/2
FNQ-4/10	4/10	FNQ-6	6
FNQ-1/2	1/2	FNQ-6 1/4	6 1/4
FNQ-5/10	5/10	FNQ-7	7
FNQ-9/10	9/10	FNQ-8	8
FNQ-1	1	FNQ-9	9
FNQ-1 1/8	1 1/8	FNQ-10	10
FNQ-1 1/4	1 1/4	FNQ-12	12
FNQ-1 1/2	1 1/2	FNQ-14	14
FNQ-1 5/10	1 5/10	FNQ-15	15
FNQ-2	2	FNQ-20	20
FNQ-2 1/4	2 1/4	FNQ-25	25
FNQ-2 1/2	2 1/2	FNQ-30	30

KTK-R SERIES LIMITRON® FAST ACTING 600 VAC FUSES



1½ long × 13/32" dia. branch circuit fuse. Melamine Tube. Interrupting Rating: 200,000A. UL Listed, Guide JDDZ, File E4273, CSA Certified, File 53787, Class 1422-02, HRCI-CC. Class CC rejection feature. 10/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
KTK-R-1/10	1/10	KTK-R-3 1/2	3 1/2
KTK-R-1/8	1/8	KTK-R-4	4
KTK-R-3/10	3/10	KTK-R-5	5
KTK-R-1/4	1/4	KTK-R-6	6
KTK-R-3/10	3/10	KTK-R-7	7
KTK-R-1/2	1/2	KTK-R-8	8
KTK-R-3/4	3/4	KTK-R-9	9
KTK-R-1	1	KTK-R-10	10
KTK-R-1 1/2	1 1/2	KTK-R-12	12
KTK-R-2	2	KTK-R-15	15
KTK-R-2 1/2	2 1/2	KTK-R-20	20
KTK-R-3	3	KTK-R-25	25
		KTK-R-30	30

FNQ-R SERIES TIME-DELAY, REJECTION TYPE, 600 VAC, CLASS CC FUSES



1½" long × 13/32" dia. Fibre tube fuse. Interrupting Rating: 200,000A RMS Symmetrical. UL Listed, Class CC, Guide JDDZ, File E4273, CSA Certified, Class 1422-01, File 53787 HRCI-CC. 10/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
FNQ-R-1/4	1/4	FNQ-R-2	2
FNQ-R-3/10	3/10	FNQ-R-2 1/4	2 1/4
FNQ-R-1/2	1/2	FNQ-R-2 1/2	2 1/2
FNQ-R-3/10	3/10	FNQ-R-2 3/10	2 3/10
FNQ-R-3/4	3/4	FNQ-R-3	3
FNQ-R-1	1	FNQ-R-3 1/2	3 1/2
FNQ-R-1 1/8	1 1/8	FNQ-R-4	4
FNQ-R-1 1/4	1 1/4	FNQ-R-5	5
FNQ-R-1 3/10	1 3/10	FNQ-R-6	6
FNQ-R-1 1/2	1 1/2	FNQ-R-6 1/4	6 1/4
FNQ-R-1 5/10	1 5/10	FNQ-R-7 1/2	7 1/2
FNQ-R-1 7/10	1 7/10	FNQ-R-8	8
FNQ-R-2	2	FNQ-R-9	9
FNQ-R-2 1/2	2 1/2	FNQ-R-10	10

LP-CC LOW-PEAK®, TIME-DELAY, CURRENT LIMITING 600 VAC, CLASS CC - REJECTION TYPE FUSES



1½" long × 13/32" dia. fuse. Interrupting Rating: 200,000A RMS Symmetrical, 20,000A DC. UL Listed Class CC, Guide JDDZ, File E4273, 20,000 AIR, 150 V DC or less, 20,000 AIR, 3-15A. CSA Certified HRCI-CC; Class 1422-02, File 53787. Packaged 10/carton.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
LP-CC-1/2	1/2	LP-CC-4	4
LP-CC-3/10	3/10	LP-CC-4 1/2	4 1/2
LP-CC-1/4	1/4	LP-CC-5	5
LP-CC-1	1	LP-CC-5 1/10	5 1/10
LP-CC-1 1/8	1 1/8	LP-CC-6	6
LP-CC-1 1/4	1 1/4	LP-CC-6 1/4	6 1/4
LP-CC-1 1/10	1 1/10	LP-CC-7	7
LP-CC-1 1/2	1 1/2	LP-CC-7 1/2	7 1/2
LP-CC-1 3/10	1 3/10	LP-CC-8	8
LP-CC-1 5/10	1 5/10	LP-CC-9	9
LP-CC-2	2	LP-CC-10	10
LP-CC-2 1/4	2 1/4	LP-CC-12	12
LP-CC-2 1/2	2 1/2	LP-CC-15	15
LP-CC-2 3/10	2 3/10	LP-CC-20	20
LP-CC-3	3	LP-CC-25	25
LP-CC-3 1/10	3 1/10	LP-CC-30	30
LP-CC-3 1/2	3 1/2		

LP-CC SERIES VIEW PACKED 3/PACKAGE

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
LP-CC-3-VP	3	LP-CC-12-VP	12
LP-CC-4-VP	4	LP-CC-15-VP	15
LP-CC-5-VP	5	LP-CC-20-VP	20
LP-CC-6-VP	6	LP-CC-25-VP	25
LP-CC-10-VP	10	LP-CC-30-VP	30

KTK SERIES LIMITRON® FAST ACTING, 600 VAC FUSES



1½ long × 13/32" dia. Melamine Tube, Albaloy plated brass endcaps. Interrupting Rating: 100,000A RMS symmetrical. UL Listed, Guide JDYX, File #19180, CSA Certified, File 53787, Class 1422-01, HRC-Misc. 10/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
KTK-1/10	1/10	KTK-5	5
KTK-1/8	1/8	KTK-6	6
KTK-3/10	3/10	KTK-7	7
KTK-1/4	1/4	KTK-7 1/2	7 1/2
KTK-3/10	3/10	KTK-8	8
KTK-1/2	1/2	KTK-9	9
KTK-3/4	3/4	KTK-10	10
KTK-1	1	KTK-12	12
KTK-1 1/4	1 1/4	KTK-15	15
KTK-1 1/2	1 1/2	KTK-20	20
KTK-2	2	KTK-25	25
KTK-2 1/2	2 1/2	KTK-30	30
KTK-3	3	KTK-35	35
KTK-3 1/2	3 1/2	KTK-40	40
KTK-4	4	KTK-45	45
		KTK-50	50

FNM SERIES FUSETRON® TIME-DELAY FIBRE TUBE FUSES 1½" LONG × 13/32" DIA. (5 AG SIZE)



UL Listed 0-10A at 250 VAC, 12-15A at 125 VAC, Guide JDYX, File E19180. CSA Certified 1-10A at 250 VAC, 12-15A at 125 VAC, Class 1422-01, File 53787. Packaged 10/carton.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
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Rated 250 VAC
Interrupting Rating: 35A at 250 VAC, 10,000A at 125 VAC

FNM-1/10	1/10	FNM-4/10	4/10
FNM-15/100	15/100	FNM-1/2	1/2
FNM-2/10	2/10	FNM-6/10	6/10
FNM-1/4	1/4	FNM-8/10	8/10
FNM-3/10	3/10	FNM-1	1

Rated 250 VAC
Interrupting Rating: 100A at 250 VAC, 10,000A at 125 VAC

FNM-11/8	1 1/8	FNM-21/4	2 1/4
FNM-11/4	1 1/4	FNM-21/2	2 1/2
FNM-14/10	1 4/10	FNM-28/10	2 8/10
FNM-11/2	1 1/2	FNM-3	3
FNM-16/10	1 6/10	FNM-32/10	3 2/10
FNM-18/10	1 8/10	FNM-31/2	3 1/2
FNM-2	2		

Rated 250 VAC
Interrupting Rating: 200A at 250 VAC, 10,000A at 125 VAC

FNM-4	4	FNM-61/4	6 1/4
FNM-41/2	4 1/2	FNM-7	7
FNM-5	5	FNM-8	8
FNM-56/10	5 6/10	FNM-9	9
FNM-6	6	FNM-10	10

Rated 125 VAC
Interrupting Rating: 10,000A at 125 VAC

FNM-12	12	FNM-15	15
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Rated 32 VAC			
FNM-20	20	FNM-35	35
FNM-25	25	FNM-40	40
FNM-30	30		

FNW SERIES FUSETRON TIME DELAY 1½" LONG × 13/32" DIA. 250 VAC FUSES

Designed for motor control transformers where high inrush currents are present during motor start-up. Interrupting Rating: 10,000 AIC at 250V. Package 10/ctn.

Mfr. No.	Rating Amps	Mfr. No.	Rating Amps
FNW-12	12	FNW-25	25
FNW-15	15	FNW-30	30
FNW-20	20		

AMP-TRAP[®]
2000



TIME DELAY
CLASS L



Features and Benefits

- **Fastest operation under short circuit conditions:** Let-thru currents are typically 20% lower, with a corresponding let-thru energy (clearing I²t) up to 40% lower than the next fastest Class L fuse
- **Time delay for high inrush loads** such as motors and transformers, without nuisance opening
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Most current limiting** for lowest peak let-thru current; even at fault currents up to 300kA
- **High-visibility orange label** gives instant recognition
- **Reduced inventory** because A4BQ can replace all older types of Class L fuses now in service

Catalog Numbers

A4BQ100	A4BQ500	A4BQ1000	A4BQ2500
A4BQ150	A4BQ600	A4BQ1200	A4BQ2500
A4BQ200	A4BQ601	A4BQ1350	A4BQ3000
A4BQ250	A4BQ650	A4BQ1400	A4BQ4000
A4BQ300	A4BQ700	A4BQ1500	A4BQ5000
A4BQ350	A4BQ750	A4BQ1600	A4BQ6000
A4BQ400	A4BQ800	A4BQ1800	
A4BQ450	A4BQ900	A4BQ2000	

Ratings and Approvals

- **AC:** 100 to 6000A 600VAC, 200kA I.R. (self certified for 600VAC, 300kA I.R., UL witnessed) 4-second delay at 500% rating
Note: 100-600A ratings are non-listed
- **DC:** 601 to 3000A 500VDC, 100kA I.R.
- UL Listed to Standard 248-10 (601-6000A)
- DC Listed to UL Standard 198L (601-3000A)
- CSA Certified to Standard C22.2 No. 248.10 (601-6000A)
- IEC 269-2-1

Highlights and Applications

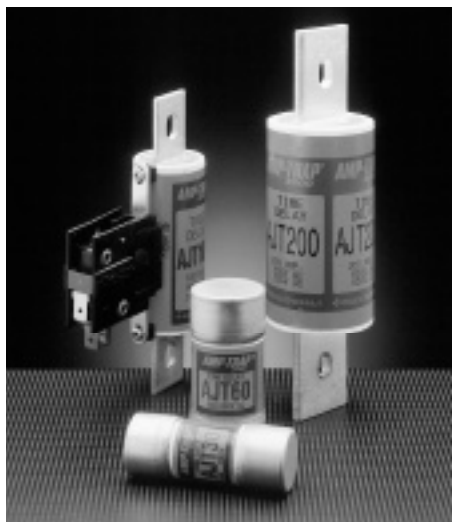
- Time Delay, Industry's Most Current Limiting Class L Fuse
- Pure Silver Elements, AC & DC Rated
- Mains, Feeders, Large Motors
- Lighting, Heating & General Loads
- Circuit Breaker Back-up
- DC Rated: UPS DC Links, Battery Disconnects, Other DC Applications

AMP-TRAP[®]
2000



AJT

TIME DELAY
CLASS J



Features and Benefits

- **Time delay** for motor starting and transformer inrush
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Extremely current limiting** for low peak let-thru current
- **Most current limiting UL class fuse**
- **Small footprint** requires less mounting space and allows smaller, more economical fuse blocks
- **Unique Class J dimensions** prevent replacement errors
- **High-visibility orange label** gives instant recognition
- **Metal-embossed date and catalog number** for traceability and lasting identification

Catalog Numbers

AJT1	AJT3-2/10	AJT9	AJT45	AJT175
AJT1-1/4	AJT3-1/2	AJT10	AJT50	AJT200
AJT1-1/2	AJT4	AJT12	AJT60	AJT225
AJT1-6/10	AJT4-1/2	AJT15	AJT70	AJT250
AJT1-8/10	AJT5	AJT17-1/2	AJT80	AJT300
AJT2	AJT5-6/10	AJT20	AJT90	AJT350
AJT2-1/4	AJT6	AJT25	AJT100	AJT400
AJT2-1/2	AJT6-1/4	AJT30	AJT110	AJT450
AJT2-8/10	AJT7	AJT35	AJT125	AJT500
AJT3	AJT8	AJT40	AJT150	AJT600

Ratings and Approvals

- **AC:** 1 to 600A 600VAC, 200kA I.R. (self certified for 600VAC, 300kA I.R., UL witnessed)
- **DC:** 1 to 600A 500VDC, 100kA I.R.
- **AJT (1-600):**
- UL Listed to Standard 248-8
- DC Listed to UL Standard 198L
- CSA Certified to Standard C22.2 No. 248.8
- IEC 269-2-1

Highlights and Applications

- Time Delay, Highly Current Limiting
- DC Ratings, Optional Indicator (70 to 600A fuses)
- Motor Circuits, Mains, Feeders
- Branch Circuits, Lighting, Heating & General Loads
- Transformers, Control Panels
- Circuit Breaker Back-up, Bus Duct
- Load Centers



A2D/A6D

TIME DELAY
CLASS RK1



Features and Benefits

- **Time delay** for motor starting and transformer inrush currents *without* nuisance opening
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Extremely Current Limiting** for low peak let-thru current
- **Easy 2-to-1 selectivity** for prevention of nuisance shut downs and "black outs"
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **High-visibility orange label** gives instant recognition
- **Reduced inventory** by taking the place of RK5, K, and H fuses

Ratings and Approvals

- **A2D & A6D**
AC: 1/10 to 600A 250VAC, 200kA I.R. (self certified for 250VAC, 300kA I.R., UL witnessed)
- UL Listed to Standard 248-12
- CSA Certified to Standard C22.2 No. 248.12

Highlights and Applications

- Time Delay, Current Limiting
- Motors, Safety Switches, Transformers
- Branch Circuit Protection, Disconnects
- Control Panels, All General-purpose Circuits

250V

Catalog Numbers

600V

A2D1/10R	A2D1/2R	A2D1-1/4R	A2D2-1/4R	A6D1/10R	A6D6R	A6D10R	A6D25R
A2D3-1/2R	A2D6R	A2D10R	A2D25R	A6D3-1/2R	A6D90R	A6D175R	A6D350R
A2D50R	A2D90R	A2D175R	A2D350R	A6D50R	A6D6/10R	A6D1-4/10R	A6D2-1/2R
A2D15/100R	A2D6/10R	A2D1-4/10R	A2D2-1/2R	A6D15/100R	A6D6-1/4R	A6D12R	A6D30R
A2D4R	A2D6-1/4R	A2D12R	A2D30R	A6D4R	A6D100R	A6D200R	A6D400R
A2D60R	A2D100R	A2D200R	A2D400R	A6D60R	A6D8/10R	A6D1-6/10R	A6D2-8/10R
A2D2/10R	A2D8/10R	A2D1-6/10R	A2D2-8/10R	A6D2/10R	A6D7R	A6D15R	A6D35R
A2D4-1/2R	A2D7R	A2D15R	A2D35R	A6D4-1/2R	A6D110R	A6D225R	A6D450R
A2D70R	A2D110R	A2D225R	A2D450R	A6D70R	A6D1R	A6D1-8/10R	A6D3R
A2D3/10R	A2D1R	A2D1-8/10R	A2D3R	A6D3/10R	A6D8R	A6D17-1/2R	A6D40R
A2D5R	A2D8R	A2D17-1/2R	A2D40R	A6D5R	A6D125R	A6D250R	A6D500R
A2D75R	A2D125R	A2D250R	A2D500R	A6D4/10R	A6D1-1/8R	A6D2R	A6D3-2/10R
A2D4/10R	A2D1-1/8R	A2D2R	A2D3-2/10R	A6D5-6/10R	A6D9R	A6D20R	A6D45R
A2D5-6/10R	A2D9R	A2D20R	A2D45R	A6D80R	A6D150R	A6D300R	A6D600R
A2D80R	A2D150R	A2D300R	A2D600R	A6D1/2R	A6D1-1/4R	A6D2-1/4R	



TR/TRS

TIME DELAY
CLASS RK5



Features and Benefits

- **Time delay** for motor start-ups and transformer inrush currents *without* nuisance opening
- **Current limiting** for low peak let-thru current
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **Easy-to-read imprint label** for quick recognition and replacement
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings

Ratings and Approvals

- **TR & TRS:**
AC: 1/10 to 600A 250VAC, 200kA I.R.
DC: 1/10 to 2 8/10A & 35 to 400A, 250VDC, 20kA I.R.; 3 to 30A & 450 to 600A, 160VDC, 20kA I.R.
- UL Listed to Standard 248-12
- CSA Certified to Standard C22.2 No. 248.12
- DC Listed to UL Standard 198L

Highlights and Applications

- Time Delay, Current Limiting
- AC & DC Rated
- Motor Circuits, Mains, Feeders
- Branch Circuits, Transformers
- Service Entrance Equipment
- General-purpose Protection

250V

Catalog Numbers

600V

TR1/10R	TR1/2R	TR1-1/4R	TR2-1/4R	TRS1/10R	TRS1/2R	TRS1-1/4R	TRS2-1/4R
TR3-1/2R	TR6R	TR10R	TR25R	TRS3-1/2R	TRS6R	TRS10R	TRS25R
TR50R	TR90R	TR175R	TR350R	TRS50R	TRS90R	TRS175R	TRS350R
TR15/100R	TR6/10R	TR1-4/10R	TR2-1/2R	TRS15/100R	TRS6/10R	TRS1-4/10R	TRS2-1/2R
TR4R	TR6-1/4R	TR12R	TR30R	TRS4R	TRS6-1/4R	TRS12R	TRS30R
TR60R	TR100R	TR200R	TR400R	TRS60R	TRS100R	TRS200R	TRS400R
TR2/10R	TR8/10R	TR1-6/10R	TR2-8/10R	TRS2/10R	TRS8/10R	TRS1-6/10R	TRS2-8/10R
TR4-1/2R	TR7R	TR15R	TR35R	TRS4-1/2R	TRS7R	TRS15R	TRS35R
TR70R	TR110R	TR225R	TR450R	TRS70R	TRS110R	TRS225R	TRS450R
TR3/10R	TR1R	TR1-8/10R	TR3R	TRS3/10R	TRS1R	TRS1-8/10R	TRS3R
TR5R	TR8R	TR17-1/2R	TR40R	TRS5R	TRS8R	TRS17-1/2R	TRS40R
TR75R	TR125R	TR250R	TR500R	TRS75R	TRS125R	TRS250R	TRS500R
TR4/10R	TR1-1/8R	TR2R	TR3-2/10R	TRS4/10R	TRS1-1/8R	TRS2R	TRS3-2/10R
TR5-6/10R	TR9R	TR20R	TR45R	TRS5-6/10R	TRS9R	TRS20R	TRS45R
TR80R	TR150R	TR300R	TR600R	TRS80R	TRS150R	TRS300R	TRS600R

CIRCUIT BREAKERS & FUSES



ATDR

**TIME DELAY
CLASS CC**



Features and Benefits

- **Time delay** for motor starting inrush currents *without* nuisance opening
- **Highly current limiting** for low peak let-thru current
- **Improved cycling ability** for frequent motor starts/stops without nuisance fuse opening
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **High-visibility orange label** ensures instant recognition, simplifies replacement
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings

Catalog Numbers

ATDR1/4	ATDR1-8/10	ATDR4-1/2	ATDR10
ATDR1/2	ATDR2	ATDR5	ATDR12
ATDR8/10	ATDR2-1/4	ATDR5-6/10	ATDR15
ATDR1	ATDR2-1/2	ATDR6	ATDR17-1/2
ATDR1-1/8	ATDR2-8/10	ATDR6-1/4	ATDR20
ATDR1-1/4	ATDR3	ATDR7	ATDR25
ATDR1-4/10	ATDR3-2/10	ATDR7-1/2	ATDR30
ATDR1-1/2	ATDR3-1/2	ATDR8	
ATDR1-6/10	ATDR4	ATDR9	

Ratings and Approvals

- **AC:** 1/4 to 30A
600VAC, 200kA I.R.
- **DC:** 1/4 to 30A
300VDC, 100kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4
- DC Listed to UL Standard 198L

Highlights and Applications

- Time Delay
- Best Choice for Small Motor Protection
- Highly Current-Limiting
- AC & DC Rated
- Small Motors
- Contactors
- Lighting, Heating & General Loads

**AMP-TRAP[®]
2000**



ATQR

**TIME DELAY
CLASS CC**



Features and Benefits

- **Time delay** for control transformer inrush loads *without* nuisance opening
- **Highly current limiting** for low peak let-thru current
- **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- **High-visibility orange label** ensures instant recognition, simplifies replacement
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings

Catalog Numbers

ATQR1/10	ATQR8/10	ATQR2-8/10	ATQR7-1/2
ATQR1/8	ATQR1	ATQR3	ATQR8
ATQR15/100	ATQR1-1/8	ATQR3-2/10	ATQR9
ATQR3/16	ATQR1-1/4	ATQR3-1/2	ATQR10
ATQR2/10	ATQR1-4/10	ATQR4	ATQR12
ATQR1/4	ATQR1-1/2	ATQR4-1/2	ATQR15
ATQR3/10	ATQR1-6/10	ATQR5	ATQR17-1/2
ATQR4/10	ATQR1-8/10	ATQR5-6/10	ATQR20
ATQR1/2	ATQR2	ATQR6	ATQR25
ATQR6/10	ATQR2-1/4	ATQR6-1/4	ATQR30
ATQR3/4	ATQR2-1/2	ATQR7	

Ratings and Approvals

- **AC:** 1/10 to 30A
600VAC, 200kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4

Highlights and Applications

- Time Delay
- Best Choice for Small Transformer Protection
- Most Current-Limiting
- Control Transformers, Solenoids
- Inductive Loads, Lighting, Heating & General-purpose Loads

Amp-trap

ATMR



CLASS CC



Features and Benefits

- **Rejection style design** prevents replacement errors when used with recommended fuse blocks
- **Fiberglass body** provides dimensional stability in harsh industrial environments
- **Versatile design** for individual component and branch circuit protection

Catalog Numbers

ATMR1/10	ATMR3/10	ATMR1-1/4	ATMR2	1/2 ATMR4	ATMR8	ATMR15
ATMR1/8	ATMR1/2	ATMR1-1/2	ATMR2-1/2	ATMR5	ATMR9	ATMR20
ATMR2/10	ATMR3/4	ATMR1-1/2	ATMR3-1/2	ATMR6	ATMR10	ATMR25
ATMR1/4	ATMR1		ATMR3-	ATMR7	ATMR12	ATMR30

Ratings and Approvals

- **AC:** 1/10 to 30A 600VAC, 200kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4

Highlights and Applications

- Fast Acting, Very Current Limiting
- Control Circuits, Lighting
- General Loads, Branch Circuit Protection

ATM

MIDGET FUSES



Features and Benefits

- **For supplemental protection** of small motors and transformers
- **Extended ratings** for special protection of capacitors and circuits with high inrush currents
- **500VDC ratings** for a wide variety of applications

Catalog Numbers

ATM1/10	ATM1/2	ATM2	ATM6	ATM15	ATM30/35
ATM1/8	ATM3/4	ATM3	ATM8	ATM20	ATM30/40
ATM2/10	ATM1	ATM4	ATM10	ATM25	ATM30/50
ATM1/4	ATM1-1/2	ATM5	ATM12	ATM30	

Ratings and Approvals

- **AC:** 1/10 to 30A, 600VAC, 100kA I.R.; 35 to 50A 600VAC, 10kA I.R.
- **DC:** 1/10 to 30A 500VDC, 100kA I.R.
- UL Listed to Standard 248-14 (1/10 to 30A)
- DC listed to UL Standard 198L (1/10 to 30A)
- CSA Certified to Standard C22.2 No.248.14 (1/10 to 30A)

ATQ

MIDGET FUSES



Features and Benefits

- **Numerous ratings** for a wide variety of applications up to 500VAC
- **Time Delay** (12 seconds at 200% rating) for circuits with high inrush current

Catalog Numbers

ATQ1/10	ATQ3/10	ATQ1-1/8	ATQ2	ATQ3-2/10	ATQ6	ATQ12	ATQ30/50
ATQ1/8	ATQ4/10	ATQ1-1/4	ATQ2-1/8	ATQ3-1/2	ATQ6-1/4	ATQ14	
ATQ15/100	ATQ1/2	ATQ1-4/10	ATQ2-1/4	ATQ4	ATQ7	ATQ15	
ATQ3/16	ATQ6/10	ATQ1-1/2	ATQ2-1/2	ATQ4-1/2	ATQ8	ATQ20	
ATN2/10	ATQ8/10	ATQ1-6/10	ATQ2-8/10	ATQ5	ATQ9	ATQ25	
ATQ1/4	ATQ1	ATQ1-8/10	ATQ3	ATQ5-6/10	ATQ10	ATQ30	

Ratings and Approvals

- **AC:** 1/10 to 30A 500VAC, 10kA I.R.
- UL Listed to Standard 248-14
- CSA Certified to Standard C22.2 No. 248.14

TRM

MIDGET FUSES



Features and Benefits

- **Numerous ratings** for a wide variety of applications
- **250VAC rating** in all sizes up to 30A
- **Time delay** for circuits with high inrush current

Catalog Numbers

TRM1/10	TRM4/10	TRM1-1/8	TRM2	TRM3-2/10	TRM5-6/10	TRM9	TRM25
TRM15/100	TRM1/2	TRM1-1/4	TRM2-1/4	TRM3-1/2	TRM6	TRM10	TRM30
TRM2/10	TRM6/10	TRM1-4/10	TRM2-1/2	TRM4	TRM6-1/4	TRM12	
TRM1/4	TRM8/10	TRM1-6/10	TRM2-8/10	TRM4-1/2	TRM7	TRM15	
TRM3/10	TRM1	TRM1-8/10	TRM3	TRM5	TRM8	TRM20	

Ratings and Approvals

- **AC:** 1/10 to 30A, 250VAC, 10kA I.R.
- UL Listed to Standard 248-14
- CSA Certified to Standard C22.2 No. 248.14

6

CIRCUIT

BREAKERS

&

FUSES