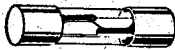


BUSS FUSES & FUSEHOLDERS

BUSS FAST ACTING FUSES for PROTECTION OF INSTRUMENTS, etc.

1/4 x 1 inch. Glass tube Formerly called 8AG



AGX 1/100 to 1/32 amp.
MKB 1/16 and 1/8 amp.



AGX 1/16 to 2 amp.

Provide high speed action necessary to protect sensitive instruments or delicate apparatus.

AGX 1/100 to 1/32 ampere sizes and MKB 1/16 and 1/8 ampere sizes have bridge construction. This prevents physical damage to delicate element from rough handling or vibration.

If resistance lower than shown for AGX fuses is desired use MKB fuses in equivalent sizes.

1/16 to 2 ampere sizes have straight through element.

AGX fuses are listed by Underwriters' Laboratories, Inc.

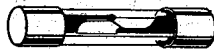
Test specification — carry 100%, open at 200% within 5 seconds.

Voltage	Symbol	Ampere
250 or less	AGX	1/100, 1/200, 1/100, 1/32, 1/16, 1/10, 1/8, 1/6, 1/4, 1/2, 1, 1 1/2 or 2
250 or less	MKB	1/16 or 1/8

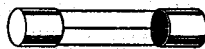
MJB & MJW fuses now called AGX.

BUSS FAST ACTING FUSES for PROTECTION OF INSTRUMENTS, etc.

1/4 x 1 1/4 inch. Glass tube. Formerly called 3AG.



AGC 1/100 to 1/32 amp.
MGB 1/16 and 1/8 amp.



1/16 to 2 amp.

Provide high speed action necessary to protect sensitive instruments or delicate apparatus.

AGC 1/100 to 1/32 ampere sizes and MGB 1/16 and 1/8 ampere sizes have bridge construction. This prevents physical damage to delicate element from rough handling or vibration.

1/16 to 2 ampere sizes have straight through element.

AGC fuses are listed by Underwriters' Laboratories, Inc.

Test specifications — carry 110%, open at 135% in 1 hour or less.

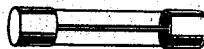
1/100 to 2 ampere sizes also will open at 200% load in 5 seconds or less.

See Blowing Time Charts

Voltage	Symbol	Ampere
250 or less	AGC	1/100, 1/200, 1/100, 1/32, 1/16, 1/10, 1/8, 1/6, 1/4, 1/2, 1, 1 1/4, 1 1/2, 1 3/4, 2
250 or less	MGB	1/16 or 1/8

MBW & MBB fuses now called AGC.

BUSS GLASS TUBE FUSES, 1/4 x 1 1/4 inch



AGC 3 and 4 and MTH 4, 5 and 6
Formerly called 3AG.



AGC 5 to 30

Test specification — carry 110%, open at 135% within 1 hour.

See Blowing Time Charts, page 22.

Fuses rated for 250 and 125 volts listed by Underwriters' Laboratories, Inc.

Voltage	Symbol	Ampere
250 or less	AGC	2 1/2, 3
250 or less	MTH	4, 5 or 6
For 250 volt fuses above 6 amperes — See ABC fuses.		
125 or less	GLH	7, 8 or 10
32 or less	AGC	4, 5, 6, 7, 7 1/2, 8, 10, 15, 20, 25 or 30

Sizes larger than 30 ampere are not recommended as clips or fuseholders would not permit fuse to carry such high currents. If surges or starting currents make heavier fuse necessary, use MDL FUSETRON dual-element fuses.

Carton quantity 5, shelf package 100. Shipping weight 0.91 lbs. per 100.

BUSS MELAMINE TUBE FUSES, 1/4 x 1 1/4 inch



These are high interrupting capacity fuses for use on circuits capable of delivering currents as high as 25,000 amperes at 125 volts or 10,000 amperes at 250 volts.

Test specification — carry 110%, open at 135% in 1 hour or less.

See Blowing Time Charts

Voltage	Symbol	Ampere
250 or less	MBO	1, 2, 3, 4, 5, 6, 8, 10 or 15
125 or less	MBO	20, 25 or 30

Carton quantity 5, shelf package 100. Shipping weight 0.93 lbs. per 100.

Resistance of Fast-Acting Fuses

See note on resistance of fuses on opposite page

Symbol & Ampere Rating	Cold Resistance Approx. (ohms)	Hot Resistance Approx. (ohms)	Symbol & Ampere Rating	Cold Resistance Approx. (ohms)	Hot Resistance Approx. (ohms)
AGX 1/100	1260	1920	AGX 3/8	1.5	5.6
AGX 1/200	200	300	AGX 1/2	.92	3.3
AGX 1/100	102	186	AGX 3/4	.45	1.5
AGX 1/32	30	62	AGX 1	.31	1.2
AGX 1/16	30	91	AGX 1 1/2	.11	.16
AGX 1/8	8	21	AGX 2	.07	.11
AGX 1/4	2.3	8.3	MKB 1/6	4	8.4
			MKB 1/8	1.2	3.1

Cold resistance obtained at 100% load
Hot resistance obtained at 100% load

BUSS GLASS TUBE FUSES, 1/4 x 1 inch.



Formerly called 8AG

Test specification — carry 110%, open at 135% within 1 hour

125 volt sizes listed by Underwriters' Laboratories, Inc.

Voltage	Symbol	Ampere
125 or less	AGX	3, 4 or 5
32 or less	AGX	8, 10, 15, 20, 25 or 30

BUSS CERAMIC TUBE FUSES, 1/4 x 1 1/4 inch



Formerly called 3AB

These are high interrupting capacity fuses for use on circuits capable of delivering currents as high as 25,000 amperes at 125 volts or 10,000 amperes at 250 volts.

Test specification — carry 110%, open at 135% within 1 hour.

See Blowing Time Charts

Listed by Underwriters' Laboratories, Inc., 15 amps. and less.

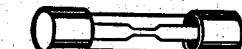
Voltage	Symbol	Ampere
250 or less	ABC	1, 2, 3, 5, 6, 8, 10, 12, 15 or 20
125 or less	ABC	25 or 30

Carton quantity 5, shelf package 100. Shipping weight 1 lb. per 100.

BUSS INDICATING FUSES, 1/4 x 1 1/4 inch



1/4 to 5 amp.



6 to 30 amp.

be used in BUSS Signal fuse blocks but not in the HKA fuseholder.

125 volt sizes listed by Underwriters' Laboratories, Inc.

Test specification — carry 110%, open at 135% in 1 hour or less.

See Blowing Time Charts

Voltage	Symbol	Ampere
125 or less	GLD	1, 1 1/2, 2, 3, 4 or 5
32 or less	GLD	6, 8, 10, 12, 15, 20, 25 or 30
		IBM now called GLD.

0 to 5 amp. Carton quantity 5. Shipping weight 0.86 lbs. per 100.
8 to 15 amp. Carton quantity 5. Shipping weight 1.75 lbs. per 100.

GBA FUSES

GBA fuses are the same as BUSS GLD fuses EXCEPT that the indicating pin is RED. This results in a more vivid indication of an open fuse when the fuses are used in BUSS HLD fuseholders.

GBA fuses have same electrical and physical characteristics as BUSS GLD fuses and are made in the same ampere sizes up to 5 ampere. These sizes are listed by the Underwriters' Laboratories, Inc.

To specify: give symbol GBA and amperes.

BUSS FUSES & FUSEHOLDERS

FUSETRON CERAMIC TUBE FUSES, 1/4 x 1/4 inch DUAL-ELEMENT — SLOW BLOWING TYPE

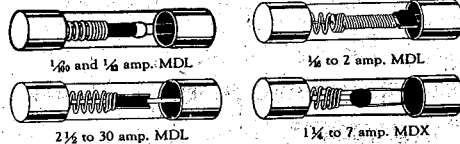


Test specification — carry 110% open at 135% within 1 hour.

Voltage	Symbol	Amperes
250 or less	MDA	1/100, 1/32, 1/16, 1/10, 1/8, 1/5, 1/4, 3/10, 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, 2 3/4, 3, 3 1/2, 4, 5, 6 1/4, 7, 8, 10, 15 or 20
125 or less	MDA	25 or 30

FUSETRON MELAMINE TUBE FUSES
Type MDL. These fuses are same as fuses MDL and MDX below, and come in same sizes except they have a Melamine tube.

FUSETRON GLASS TUBE FUSES, 1/4 x 1/4 inch



DUAL-ELEMENT — SLOW BLOWING TYPE
These fuses avoid needless blows from starting currents or surges. They have a fuse link which operates only on very high overloads or short-circuits — they have a thermal cutout which functions on low overloads — the thermal cutout cannot operate quickly at any load, hence long time-lag is obtained. Yet protection is afforded against short-circuits or continued overloads.

Test specification — carry 110% open at 135% within 1 hour.

MDL 0 to 2 3/4 amperes and MDX 0 to 7 amperes listed by Underwriters' Laboratories, Inc. MDL fuses have longer time-lag than MDX fuses.

Voltage	Symbol	Amperes
250 or less	MDL	1/100, 1/32, 1/16, 1/10, 1/8, 1/5, 1/4, 3/10, 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, 2 3/4, 3, 3 1/2, 4, 5, 6 1/4, 7, 8, 10, 15, 20, 25 or 30
250 or less	MDX	1/4, 1/2, 1 1/4 or 2
125 or less	MDL	1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, or 2 3/4
125 or less	MDX	3, 3 1/2, 4, 5, 6 1/4 or 7
32 or less	MDL	3, 3 1/2, 4, 5, 6 1/4, 8, 10, 15, 20, 25 or 30

FUSETRON PIG-TAIL FUSES DUAL-ELEMENT — SLOW BLOWING TYPE

Test specifications and performance, MDV 1/60 to 2 3/4 ampere same as MDL fuses. 3 to 7 ampere same as MDX fuses.

1/4 x 1 1/4 inch glass tube with 1 1/4 inch leads of No. 20 tinned wire.

Listed by Underwriters' Laboratories, Inc.

Voltage	Symbol	Amperes
250 or less	MDV	1/100, 1/32, 1/16, 1/10, 1/8, 1/5, 1/4, 3/10, 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, 2 3/4, 3, 3 1/2, 4, 5, 6 1/4 or 7
125 or less	MDV	1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, 2 3/4, 3, 3 1/2, 4, 5, 6 1/4 or 7

BUSS PIG-TAIL FUSES

1/4 x 1 1/4 inch glass-tube fuse with 1 1/4 inch leads of No. 20 tinned wire.

Test specifications — carry 110% open at 135% in one hour or less.

Listed by Underwriters' Laboratories, Inc.

Voltage	Symbol	Amperes
250 or less	GJV	1/6, 1/8, 1/4, 3/10, 1/2, 3/4, 1, 1 1/2, 2, 3, 4, 5, or 6

BUSS GLASS TUBE FUSES, 1/2 x 1/4 inch



Formerly called 4AG

Test specification — carry 110% open at 135% within 1 hour except 35 and 40 ampere which open at 300% in 2 to 4 seconds when tested in a standard 30 ampere test circuit.

Voltage	Symbol	Amperes
250 or less	AGS	1/6, 1/8, 1/4 or 1/2
32 or less	AGS	1, 2, 2 1/2 or 3
32 or less	AGS	5, 10, 15, 20, 25, 30, 35, 40 or 50

These fuses in sizes larger than 30 ampere are not recommended as clips or fuseholders will not permit the fuse to carry such high currents. If surges or starting currents make heavier fuse necessary, use MDM Fusetron fuses.

BUSS CERAMIC TUBE FUSES, 1/2 x 1/4 inch



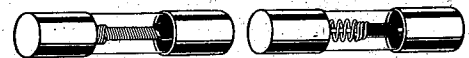
Formerly called 4AB

Test specification — carry 110% open at 135% within 1 hour except 35 and 40 ampere which open at 300% in 2 to 4 seconds when tested in a standard 30 ampere test circuit.

Voltage	Symbol	Amperes
250 or less	ABS	1, 2, 3, 5, 8, 10, 15 or 20
125 or less	ABS	25 or 30
32 or less	ABS	35 or 40

These fuses in sizes larger than 30 ampere are not recommended as clips or fuseholders will not permit the fuse to carry such high currents. If surges or starting currents make heavier fuse necessary, use MDM Fusetron fuses.

FUSETRON GLASS TUBE FUSES, 1/2 x 1/4 inch



1/2 to 2 amp.

2 1/2 to 30 amp.

DUAL-ELEMENT — SLOW BLOWING TYPE

These fuses avoid needless blows from starting currents or surges. They have a fuse link which operates only on very high overloads or short-circuits — they have a thermal cutout which functions on low overloads — the thermal cutout cannot operate quickly at any load, hence long time-lag is obtained. Yet protection is afforded against short-circuits or continued overloads.

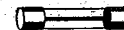
Test specification — carry 110% open at 135% within 1 hour.

Approximate blowing time: at 200% load 25 seconds.
at 300% " 8
at 500% " 3

Voltage	Symbol	Amperes
250 or less	MDM	1/10, 1/32, 1/16, 1/10, 1/8, 1/5, 1/4, 3/10, 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, 2 3/4, 3, 3 1/2, 4, 5, 6 1/4, 7, 8, 10, 15, 20, 25, 30, 35, or 40
125 or less	MDM	1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, 2 3/4 or 3
32 or less	MDM	3 1/2, 4, 5, 6 1/4, 8, 10, 15, 20, 25, 30, 35, or 40

BUSS MINIATURE GLASS TUBE FUSES

5 mm x 20 mm (.197 x .769 inches)



GJU fuses now called GMA.

Designed for protection of miniaturized circuits or equipment. Commonly used in equipment of foreign make.

Test specifications — Carry 100% load indefinitely.
Open at 200% load within 10 seconds

Voltage	Symbol	Amperes
125 volts or less if available fault current is not over 50 amperes	GMA	1/8, 1/4, 1/2, 1/10, 1, 1 1/10, 1 1/2, 2, 3, 4, 5, 6, 10.