

G General Purpose Fuses

North American Power Fuses

AMP-TRAP 2000®



Class J - Time Delay

1 to 600A
600V AC
UL Listed - CSA Certified
200kA I.R. - Current Limiting
Motor, motor controller, control transformer, and circuit back-up protection. Space saving dimensions. Very current limiting.

AMP-TRAP 2000®



Class L - Time Delay

601 to 6000A
600V AC, 500V DC
4 Second Delay
UL Listed
200kA I.R., 600V AC
100kA I.R., 500V DC
The most current-limiting Class L fuse available today. For increased protection of AC and DC equipment.

AMP-TRAP 2000®

Class RK1 - Time Delay

1/10 to 600A
250 AC or 600V AC
UL Listed - CSA Certified
200kA I.R.
Current Limiting
Motor controller and motor overcurrent protection.
Very current limiting.



AMP-TRAP 2000®

Class CC - Time Delay

1-1/2" x 13/32" (10.3x38)
UL Listed - CSA Certified
200kA I.R.

ATDR - 1/4 to 30A
For motor protection

ATQR - 1/10 to 30A
For transformer protection



TRI-ONIC®



Class RK5 Time Delay

1/10 to 600A
250V AC or 600V AC
UL Listed
CSA Certified
DC Rated
200kA I.R.
Motor overcurrent, motor controller and transformer protection.

AMP-TRAP®



Class J Fast Acting

1 to 600A - 600V AC
UL Listed - CSA Certified
200kA I.R.
Current Limiting
Feeder circuit, panelboard, and circuit breaker back-up protection. Space saving dimensions. Very current limiting.

AMP-TRAP®

Class L

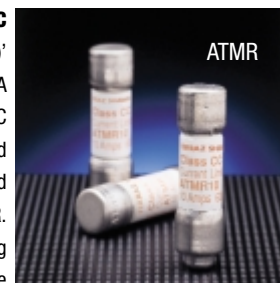
601 to 6000A
600V AC
4 Second Delay
UL Listed - CSA Certified
200kA I.R. - Current Limiting
Service entrance, feeder circuit, transformer, and circuit breaker back-up protection.



AMP-TRAP®

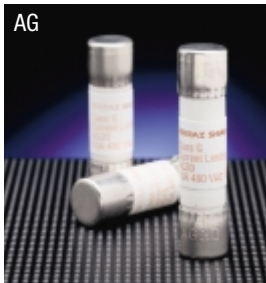
Class CC

1-1/2" x 13/32" (10.3x38)
1/10 to 30A
600V AC
UL Listed
CSA Certified
200kA I.R.
Current Limiting
The smallest dimension fuse suitable for branch circuit protection.



G General Purpose Fuses

AMP-TRAP®

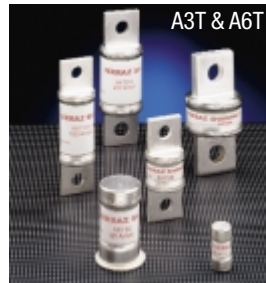


AG

Class G

1/2 to 60A
480V AC
100kA I.R.
UL Listed - CSA Certified
Current Limiting
With time delay (above 5A) and 480 V rating, AG fits a wider variety of branch circuit protection to lighting, heating and appliances.

AMP-TRAP®



A3T & A6T

Class T Fast Acting

1 to 1200A, 300V - A3T
1 to 800A, 600V - A6T
UL Listed - CSA Certified
200kA I.R.
Current Limiting
Loadcenter, metering center, panelboard, and circuit breaker back-up protection.
Very current limiting.
Small physical size.

AMP-TRAP®

Class RK1 - Fast Acting

1 to 600A
250V AC or 600V AC
UL Listed
CSA Certified
200kA I.R.
Current Limiting
Feeder circuit, panelboard, and circuit breaker back-up protection.
Very current limiting.



A2K & A6K

Class K5 - General Purpose

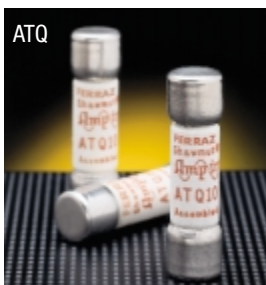
1 to 600A
250V AC or 600V AC
UL Listed
CSA Certified
50kA I.R.
Energy Limiting
Lower cost protection for circuits serving heating, lighting, and other non-motor loads.



OT OTN OTS

Midget Fuses for supplementary overcurrent protection

AMP-TRAP®



ATQ

Midget Dimensions

1-1/2" x 13/32" (10.3x38)
ATQ Time Delay
1/10 to 60 A
500V AC
Lighting, solenoid, motors, transformers, control circuits

AMP-TRAP®



TRM

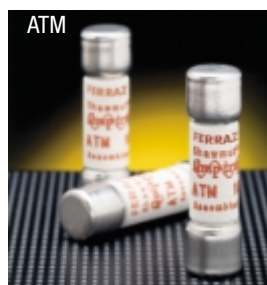
Midget Dimensions

1-1/2" x 13/32" (10.3x38)
TRM Time Delay
1 to 30A
250V AC
Lighting, solenoid, motors, transformers, control circuits

AMP-TRAP®

Midget Dimensions

1-1/2" x 13/32" (10.3x38)
ATM Fast Acting
1/10 to 50A
600V AC, 500V DC
Lighting, heating, control circuits.
Circuits where time delay is not required

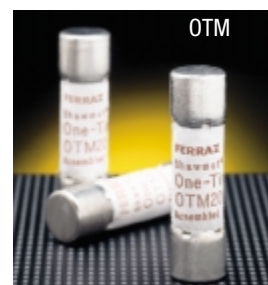


ATM

Midget Dimensions

1-1/2" x 13/32" (10.3x38)
OTM Fast Acting
1 to 30A, 250V AC
GGU Fast Acting
(Glass/Ceramic body)
3 to 30A, 125V AC
6JX Fast Acting
1/10 to 30A, 600V AC
Lighting, heating, control circuits.
Circuits where time delay is not required

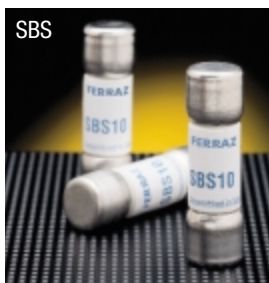
MIDGET FUSES



OTM

G General Purpose Fuses

SBS



General Purpose

1-3/8" x 13/32" (10.3x35)
2/10 to 30A
600V AC
100kA I.R.
UL Listed
CSA Certified
SBS is the only fuse in its size to have a full 600V AC rating.
Control circuits, lighting ballasts, motor circuits, electronic circuits

PC MOUNT FUSES



Direct Mount PC Board Fuses

PCF Fast Acting
1 to 30A, 600V AC, 500V DC
PCS Semiconductor Protection Fuses
5 to 30A, 600V AC/DC
Main frame power board, circuit breakers, components
PCT Time Delay Fuses 1 to 30A, 500V AC
UL Recognized Components
Main frame power board, circuit breakers, components

French Ferrule

gG

8x31 - 10x38 - 14x51 - 22x58mm

0.5 to 125A
400V AC (8x32),
400 to 500V AC (10x38)
500 to 690V AC (14x51 - 22x58)
Up to 120kA I.R.
EN 60269-2-1 Compliance
Blown Fuse indicator
Striker (14x51 - 22x58)
Protection of distribution circuits.



aM

8x31 - 10x38 - 14x51 - 22x58mm

1 to 125A
400V AC (8x32), 400 to 500V AC (10x38)
500 to 690V AC (14x51 - 22x58)
Up to 120kA I.R.
EN 60269-2-1 Compliance
Blown Fuse indicator
Striker (14x51 - 22x58)
Motor protection.



NH Fuses

gG



Fuse-links, 00C (000), 00, 0,1, 2, 3,4, 4A sizes

2 to 1250A
400, 500, 690V AC
IEC/EN 60269-2-1 Compliance
Blown fuse indicator
French striker as per IEC/EN 60269-2-1 for dimensions 0, 1, 2, 3 (32 to 630A)
Protection of distribution circuits.
Isolated fuse available up to size 3

aM



Fuse-links, 00, 0,1, 2, 3, 4 sizes

2 to 1250A
500 and 690V AC
IEC/EN 60269-2-1 Compliance
Blown fuse indicator
French striker as per IEC/EN 60269-2-1 for dimensions 0, 1, 2, 3 (32 to 630A)
Motor protection.
Isolated fuse available up to size 3

DIN Fuses

NEOZED (DO)

Fuse-links

Sizes DO1, DO2, DO3

2 to 100A (DO1 2-16A, DO2 20-63A, DO3 80-100A)
400-440VAC, 250V DC
gG, gR, aM - 50kA I.R.
IEC/EN 60269-3-1 Compliance
General purpose cable and line protection and back-up switchgear controlgear protection



D-TYPE FUSES

Fuse-links

Sizes NDZ, D II, D III, D IV, D V

2 to 200A (NDZ 2-25A, D II 2-25A, D III 35-63A, D IV 80-100A, D V 125-200A)
500-690V AC, 500-600V DC
gG, gR - 50kA I.R.
IEC/EN 60269-3-1 Compliance
General purpose cable and line protection



Miniature Fuses

UL Fuses

GLASS BODY

5x20, 6x32mm Dimensions

5MF 5x20 Fast Acting
0.08 to 8A, 250V AC

5TT 5x20 Super Time Lag
0.08 to 5A, 125-250V AC

3AG 6x32 Fast Acting
0.1 to 15A, 125-250V AC

3SB 6x32 Super Time Lag
0.1 to 15A, 125-250V AC



CERAMIC BODY

5x20, 6x32mm Dimensions

5TT 5x20 Super Time Lag
6 to 10A, 125V AC

SU 5x20 Time Lag
1.25 to 12.5A, 250V AC

3AB 6x32 Fast Acting
0.1 to 15A, 250V AC

Low interrupting Rating

5x20, 6x32mm Dimensions

EN 60127 compliance

5SF/FI 5x20 Fast Acting
0.032 to 20A, 250V AC

5ST/TI 5x20 Time Lag
0.032 to 20A, 250V AC

3SF/FI 6x32 Fast Acting
0.05 to 20A, 60-250V AC

TI 6x32 Time Lag
1/20 to 20A, 250V AC



High Interrupting Rating

5x20mm Dimensions

EN 60127 compliance

5HF/FISP 5x20 Fast Acting
1/20 to 10A, 250V AC

5HT/TISP 5x20 Time Lag
1/10 to 10A, 250V AC

Approvals : Semko - VDE - UR - CSA.

Ferraz Shawmut specialty

Very high interrupting rating fuses : up to 200 kA

PROTISTOR® 5 X 20 mm

FC Fast Acting
0.16 to 10A, 250V AC

FA/FB Very Fast Acting
0.04 to 20A, 125-250V AC

SA/SB Medium Time Lag
0.04 to 16A, 125-250V AC

All kinds of protection
Safety of people and material



SA Medium Time Lag
0.04 to 3.15A, 380V AC

FA Very Fast Acting
0.04 to 4A, 380V AC

PROTISTOR® 6 X 32 and 6x46 mm

6x32

FA

1/10 to 30A, 125-250V AC

SA Medium Time Lag - 1/10 to 30A, 125-250V AC

FA/FB Fast Acting - 1/10 to 16A, 380V AC

SA Medium Time Lag - 1/10 to 10A, 380V AC

SA Medium Time Lag - 1/10 to 10A, 500V AC

FA Very Fast Acting - 1/10 to 2A, 660V AC

6x46

FA Fast Acting 0.1 to 1A, 1000V AC



AXIAL LEADS REELED TAPE FUSES

5x20, 6x32mm, 6x46 mm dimensions with axial leads

FC 5x20 AL Fast Acting - 0.16 to 10A, 250V AC

FA/FB 5x20 AL Very Fast Acting - 0.04 to 6.3A, 250V AC

FA 6x32 AL Very Fast Acting - 1/10 to 6.3A, 250V AC

SA 6x32 AL Medium Time Lag - 1/10 to 6.3A, 250V AC

FA 6x32 Very Fast Acting - 1/10 to 6.3A, 380V AC

FA 6x32 Very Fast Acting - 1/10 to 6.3A, 500V AC

FA 6x32 Very Fast Acting - 1/10 to 2A, 660V AC

FA 6x46 Fast Acting 0.1 to 1A, 1000V AC

Semiconductor Fuses

North American Fuses

AMP-TRAP® FORM 101



Semiconductor Protection

1/2 to 6000 A

130 V to 1200V AC

Many are UL Recognized Components

Current Limiting

Extremely fast acting. Low I^2t provides protection for semiconductors and power electronic equipment.

AMERICAN STANDARD PSC PROTISTOR®



Semiconductor Protection

50 to 6000A

400 to 1350V AC

Many are UL Recognized Components

UNC Stud Style &

American Blade Style

Extremely fast acting. Very current limiting fuses. Low peak let-thru and I^2t .

European Fuses

FRENCH STANDARD PSC PROTISTOR®

Semiconductor Protection

50 to 10000A

150 to 1350V AC

Many are UL

Recognized Components

ISO Stud Style & French

Blade Style Extremely fast acting.

Very current limiting fuses.

Low peak let-thru and I^2t .



GERMAN STANDARD PSC PROTISTOR®

Semiconductor Protection

50 to 1250A

660 to 3500V AC - aR & gR operations

Many are UL Recognized Components

Solid Blade Style (DIN 43620)

& Notched Blade Style (DIN 43653)

Extremely fast acting. Very current limiting fuses. Low peak let-thru and I^2t .



FRENCH FERRULE PROTISTOR®



Semiconductor Protection

10x38, 14x51, 22x58, 27x60mm

1/10 to 250A

500-1000V AC

Many are Recognized Components

aR & gR operations

Stricker available for each size

Extremely fast acting. Very current limiting fuses. Low peak let-thru and I^2t .

DIN PROTISTOR® FUSES



Semiconductor Protection

17x49, 00, 000 (PSC)

12 to 450A

450-690V AC

Many are Recognized Components

aR & gR operations

Bracket Style & Solid Blade Style

DIN 43653 (00C, 00)

Extremely fast acting. Very current limiting fuses. Low peak let-thru and I^2t .

BS88 PROTISTOR® FUSES



Semiconductor Protection

5 to 1050A

250-690V AC

aR & gR operations

BS 88-4 Bracket Style Cylindrical Fuses

& PSC000 Fuses

With or without separated striker.

Many are Recognized Components

Extremely fast acting. Very current limiting fuses. Low peak let-thru and I^2t .

DC PROTISTOR® FUSES

DC & Semiconductor Protection

Sizes: 70, 72, 120 to 123, 300, 302, 600, 602.

6 to 1500A

660-4200V DC

aR & gR operations

Very high interrupting rating.

DC characterization.



DC & Semiconductor Protection

14x51, 22x58, 27x60, 20x127mm

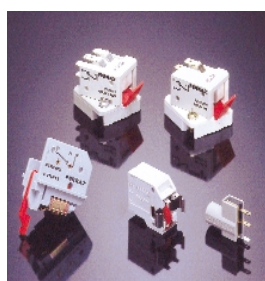
0.8 to 500A

48-4000V DC

Very high interrupting rating.

DC characterization.

MICROSWITCHES



For remote blown fuse indication

For square-bodied PSC and German Standard PSC00 & 000.

Models with separated - striker for British Standard Fuses (BS88).

Semiconductor Fuses

Ferraz Shawmut specialty High voltage semi conductor fuses



CV3 Protistor®

1200 to 4000 VDC

6 to 800 A

"g" and "a" operating for DC circuits

CV4 Protistor®

5 to 10 kVAC

100 to 1000 A

Very limiting medium voltage fuses
for SC equipment protection



Pyristor®

Complements large size semiconductor fuses

Medium Voltage Fuses

North American Fuses

AMP-TRAP®



E Rated

Current Limiting

5 E to 900E

5.5kV and 15.5kV

UL Listed

Protection for medium voltage
transformers

AMP-TRAP®



A240T

A480T

A500T

A720T

E Rated

For Potential Transformers

Current Limiting

1/2E to 5E

2.4, 4.8, 5.0 and 7.2kV

50kA I.R.

Primary protection for potential
transformers.

AMP-TRAP®

R Rated

Current Limiting

2R to 36R

2.4, 4.8 and 7.2kV

Short-circuit protection for
medium voltage motors and controllers.



A240R

A480R

Potential Transformer Protection

5.5kV to 25.5kV

Complying with IEC 282-1

Indoor use

Primary protection
for potential transformers.

PT FUSES



CAPACITOR FUSES



600-4000V AC - 25 to 250A - Full range operation

Prevent rupture of failed capacitor - Blade, stud, end-contact designs.

Medium Voltage Fuses

European Products

UTE AND DIN FUSES



Protection of Medium Voltage Distribution

UTE range : 55x520 mm
6.3 to 100A / 7.2-36kV
Complying with IEC 282-1,
NF C64200 & 64210

DIN range : 6.3 to 200A / 7.2-36kV
Complying with IEC 282-1
DIN 43625

FAULT DETECTORS



Medium Voltage Surveillance Systems

Directionnal fault current indicators
for 1 or 3 phases overhead distribution lines
at voltages from 6 to 132 kV

Complete systems for indication of
earth-fault and short-circuit faults in
an underground 6 to 36 kV cable network.

LIGHTNING ARRESTERS

Protection of Medium Voltage Distribution

& MV/LV Transformer
AZX Standard Line
5kA & 10kA Classes
4-36kV

Custom-designed for Utilities
Polymer-housed and zinc oxide-based.



FERRAZ SHAWMUT SPECIALTY : PYRISTOR

Very High Interrupting Speed

1 to 4.5kA
2.5 to 20kV

Protection of installations requiring very
low peak let-thru currents.

Protection of existing installations when
upgrading without replacement of former pro-
tection devices.

Protection of very large specific converters



Special Purpose Fuses

North American

AMP-TRAP®



Welder Protectors

100 to 600A
600V AC
200kA I.R.
Current Limiting
Short circuit protection for electric welders.
Class K and class J dimensions.

AMP-TRAP®



Cable Protectors

600V AC
For sizes #2AWG to 750kcmil
200kA I.R.
Current Limiting
Protect runs of multiple conductor cables by
selectively isolating faulted cables. Available
for copper and aluminium cable.

Special Purpose Fuses

AMP-TRAP®



Form 600

1 to 600A
250V AC or DC
600V DC AC or 500 V DC
650-1200A 600V AC 200kA I.R.
Energy Limiting
Special purpose fuses for AC and DC applications.
DC switchboard for ships.

SURGE SUPPRESSION FUSES



MOV Protection

• VSP Range UL recognized

Sizes: 13/31x1-1/2 and 13/16x2-1/4 with or without tags
600V AC - 200 kA I.R. - Surge Rating 5-100kA
Meet UL 1449 Second Edition requirements
Various mounting configurations.

• European Range

Sizes: 5x20, 6x32, 14x51 and 22x58
250-600V AC - Up to 300 kA I.R.

FORKLIFT FUSES



Isolator fuses

For DC battery operated systems
Time Delay (ACK) & General Purpose Fuses (ACL, ALS)
Link visible through window
for CNL, CNN
AC & DC rated
1 to 800A
32-125V AC

TELECOMMUNICATION FUSES

Equipment Protection

70 series 125V AC,
300V DC - 1/10 to 10A
GMS - 125V AC/DC
0.18 to 15A
TGL - 70 to 800A
170V DC - 100kA I.R.
TGN - 1 to 600A
170V DC - 100kA I.R.
TGS - 1 to 70A
170 V DC - 100kA I.R.

70 series GMS TGL/TGN/TGS



RESIDENTIAL FUSES

gF

Service entrance
panelboard protection

Sizes : 6x23, 8x23, 10x25, 8x31,
10x31, 8x36, 10x38 mm
2-32A - 400V AC

AD

Protection in series
with circuit breaker

Sizes: 10x38, 14x51, 22x58, 00
15-90A - 400V AC

gF AD



FERRAZ SHAWMUT SPECIALTY: ROTATING FUSES

C1G



C1G

300 to 1000V
300 to 950A.

For turbo generator excitor

Acceleration: up to 6000g

Worldwide
mechanical adaptation

Fuse Blocks & Fuse Holders

North American Power Fuses

ULTRASAFE™ J



**US3J & US6J
Modular Holders**
600V AC,
30 & 60A Class J
UL Listed
Meet the requirement
of UL512
Finger Safe
Optional Indicating Lights
DIN Rail Mount
Compact footprint
Quick, easy fuse change.

CYLINDRICAL & BLADE FUSE BLOCKS



**Class H, K
& R Fuse Blocks**
Class J Fuse Blocks
Space-saving
"SJ" Fuse Blocks
250V & 600V AC
for H, K & R
600V AC
for Class J Fuse
25% less mounting
space for
"SJ" Fuse Blocks.

FORM 101 FUSE BLOCKS



**For Form
101 fuses**
1 to 600A
1000V AC
for stud type
1200V AC
for clip type
UL recognized

Midget Fuses

ULTRASAFE™ HOLDERS



USCC & USM Modular Holders
600V AC, 30A
UL Listed
Meet requirements of UL512
Finger Safe
Optional Indicating Lights
DIN Rail Mount
Compact Footprint
Quick, Easy Fuse Change

MIDGET & CLASS CC FUSE BLOCKS



For Midget & Class CC Fuses
600V AC, 30A
Withstand rating:
200kA using screw, pressure plate
10kA using quick connects
UL Listed for CC and UL Recognized for
Midget
Meet requirements of UL512
CSA Certified

IN-LINE FUSEHOLDERS

For 1-1/2"x13/32" fuses

Rated 30A, 600V AC
Withstand Rating: 200kA
Breakaway Feature - Standard
UL Recognized
CSA Certified
Choice of crimp or screw connectors for
solid or stranded copper cable.
Rubber boots available.



GPM PANEL MOUNT FUSEHOLDERS

Various sizes accommodate 5x20 mm

1/4" x 1 1/4" or 1 - 1/2" x 13/32"
Midget and Class CC Fuses.
Front or rear mounting in panel.
UL Recognized
CSA Certified



French Ferrule Fuses

SI MODULAR BASES



For 14X21, 22X58 mm Fuses

750V AC, 63 & 135A
Base Mount with optional
microswitch and partition
IEC 269-2-1 Compliance.

CMS MODULAR FUSEHOLDERS



For 10x38, 14x51 and 22x58 mm fuses

690V AC
DIN-Rail Mount with possible
padlocking
Blown fuse indication or striker
IP20 Protection
IEC 269-2-1 Compliance.

Fuse Blocks & Fuse Holders

ST MODULAR FUSE-DISCONNECTORS



For 8x32, 10x38, 14x51 and 22x58 mm fuses

480-690V AC, up to 125A - DIN-Rail Mount

Blown fuse indication and preisolating microswitches

IP2X Protection - IEC/EN 60947-3 Compliance.

NH Fuses

THERMOPLASTIC BASES

00 to 3 NH Fuses Bases

690V AC

440V DC

1-pole, 3-pole

IP20 protection with accessories

IEC/EN 60269-2-1 Compliance.



CERAMIC BASES

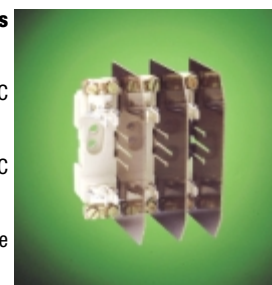
Size 00 to 4 NH Fuse Bases

690V AC

440V DC

1-pole, 3-pole

IEC/EN 60269-2-1 Compliance.



NH-00 LINOCUR FUSE SWITCH-DISCONNECTOR

NH - 00 LINOCUR



690V AC 100A

500V AC 125 A

On-load operation

1-pole, 3-poles

IEC/EN 60947-3 Compliance.

FUSE SWITCH-DISCONNECTORS

BS-GI-SM



BS, GI & SM Series

For 00 to 4 NH Fuse-links

690V AC, up to 1250A

On-load operation

3 poles

IEC/EN 60947-3 Compliance

DIN Fuses

BASES AND ACCESSORIES

For D and Neozed (D0) fuses

D System: 500V AC & 690V AC

500V DC, up to 63A

1-pole, 3-pole bases

Neozed(D0) System: 400V AC, 440V AC, 250V DC,
up to 100A

1-pole, 3-pole bases

IEC/EN 60269-3-1 Compliance



DO LINOCUR FUSE SWITCH-DISCONNECTORS

For D01 & D02

NEOZED Fuse-links

On-load operation

1, 1+N, 2, 3, 3+N-poles.

D01 : 400V/16A

D02: 400V, 440V/63A

IEC/EN 60947-3

Compliance



Fuse Blocks & Fuse Holders

NEOKIT FUSE SWITCH-DISCONNECTORS



For Neozed fuse-links

400V, 16A
On-load operation
1, 2, 3 poles

SEMICONDUCTOR FUSE BASES



For DIN Standard

Semiconductor Fuses
Designed
for DIN 43653
Blade-Style Fuses.

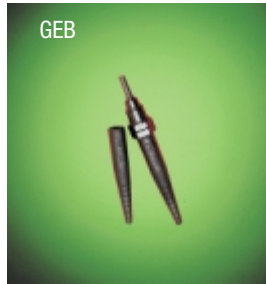
Miniature Fuses

For 1-1/2" x 13/32" fuses

Rated 30A, 600V AC
Withstand Rating : 200kA
Breakaway Feature - Standard
UL Recognized - CSA Certified
Choice of crimp or screw connectors
for solid or stranded copper cable.
Rubber boots available.

IN-LINE FUSEHOLDERS

GEB



CLIPS



SINGLE-POLE FUSE BLOCKS

5X20QC1

For 5x20 mm Fuses
Rated 15A, 250V AC
UL Recognized
6x32QC1
For 1/4" x 1-1/4" Fuses
Rated 30A, 250V AC
UL Recognized
Rated 20A, 250V AC
CSA Certified.

QC1



DEAD-FRONT FUSE COVERS

Snap on to Class G, H, J, K, R, CC or Midget Fuses in Fuse Holders

Provide Dead Front
Electrical Safety
Reusable Optional Open
Fuse Indicator Light
UL Listed or Recognized
CSA Certified.



PANEL MOUNT FUSEHOLDERS



Various sizes
accommodate 5x20mm
1/4" x 1 1/4" or
1 - 1/2" x 13/32"
Midget and
Class CC Fuses.
Front or rear
mounting in panel.
UL Recognized
CSA Certified.

Medium Voltage Fuses

BASES

For Ferrule-style fuses
Up to 36 kV



For Ferrule-style fuses
20.6, 36, 45, 55 mm diameter.



CLIPS