



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Automotive and hardware/home center
product catalog

BUSSMANN
SERIES

Circuit protection technology
for automotive, home, marine and RVs.



EATON

Powering Business Worldwide

New Bussmann series product packaging coming 2017



Greater product display per linear foot with new, **compact** card sizes.

Tri-lingual packaging meets today's **marketing** needs.

Enhanced **shopability** with large product and amp rating text.

Quick **identification** with product family color coding.

Bussmann **yellow** stays prominent.

Bold new look.



Package options

In addition to boxed product, Bussmann™ series products are also available in packaging that is designed for various retail environments and needs. These package options do not apply to every product. Check the Bussmann series price sheet for availability. Below are explanations of the various packaging you'll see listed in the product tables of this catalog. For more information, visit Eaton.com/BussmannConsumer.

Traditional packs - automotive

Tins

Examples: ATC-20, SFE-14

Blade fuses and glass tube fuses may be ordered in tins. A tin holds FIVE fuses with the exception of MAXI™ fuses which are packed ONE fuse per tin.



Polybags and boxes

Examples: CB123-20HB, FMX-20, HHM

Larger fuses like female MAXI, cartridge fuses and circuit breakers are packed ONE fuse per bag. High amp circuit breakers and fuse holders are packed in boxes.



Retail packs - automotive

Retail packs may be placed on a pegboard and come in blister packs and clamshells. They are generally ordered by adding the prefix "BP/" and suffix "-RP" or "-RPP" to the catalog number.

Single amp packs

Examples: BP/ATM-30-RP, BP/ATC-20ID

These packs contain ONE to FIVE fuses of the same amp rating. Smaller parts are placed in blister packs while larger parts are placed in clamshells.



Multiple amp assortment packs

Examples: AGC-EK, ATC-ID-SK, BP/ATM-A5-RP, NO. 44

These packs house multiple fuses of varying amp ratings. Some packs come with a fuse puller. See pages 24 and 25 for more details.



Additional packaging - automotive

Value packs

Examples: VP/ATC-30ID, VP/ATM-25-RP, VP/FMX-A5-RP

Ideal for small shops, mobile technicians, and avid car enthusiasts, these re-sealable clamshells and blister packs house 10 *easyID*™ fuses or 25 standard blade fuses.



Bulk packs

Examples: BK/AGC-30, BK/ATM-10LP, BK/MAX-20ID

Available on select products, bulk pack fuses are available in plastic bags or boxes. Ask your Bussmann series sales rep or distributor for product availability.



Reload packs

Examples: ATM-2RLD, ATC-40RLD

Available on select products, re-loads are bulk fuses packed in a clear polybag with product label and bar code. They are designed for re-loading product into installer assortments and tilt-bins like the NO.225.



Installer assortments

Examples: NO. 290, FUSE-CADDY2, CDY10TRY-ATC

Contain a variety of circuit protection products for service technicians and repair shops.



Retail packs - electrical

Single amp assortment packs

Examples: BP/GMA-2A, BP/FRN-R-30ID, BP/FRS-R-60

These packs contain ONE to FIVE fuses of the same amp rating. Glass fuses are placed in 1.77"W x 3.71"H cards.



Assortment packs

Examples: BP/ABC-A, NON-EK, TL-EK

These packs contain multiple fuses of varying amp ratings. Some packs come with a fuse puller. See page 48 for more details.



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Not all products are listed in this catalog. If additional amperages are needed, contact your Bussmann series product representative. Some catalog numbers shown in this catalog are non-stock items and require longer lead times. Always check the latest price sheet for product status and availability.

Bussmann series solutions comply with major industrial standards and agency requirements such as: BS, IEC, DIN, UL, NEMA, SAE, CSA, CE, C-UL, etc. and are manufactured at facilities that are ISO 9000 certified. This catalog is intended to present product data and provide technical information that will help the end user with design application. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this catalog. Once a product has been selected, it should be tested by the user in all possible applications. Further, Eaton takes no responsibility for errors or omissions contained in this catalog, or for misapplication of any Bussmann series product. Extensive product information is available in the Bussmann series product data sheets available online at Eaton.com/BussmannConsumer.

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Automotive products and accessories

The industry standard - used in most domestic and imported cars today. All Bussmann series blade fuses meet or exceed OEM and SAE standards.

ATR blade fuses

2-Leg micro fuses

These space-saving fuses are used on newer vehicles.



Color code	Amps	Trad'l pack*	Retail pack**	Bulk pack***
Tan	5	ATR-5	BP/ATR-5-RP	BP/ATR-5-RP
Brown	7-1/2	ATR-7-1/2	BP/ATR-7-1/2-RP	BP/ATR-7-1/2-RP
Red	10	ATR-10	BP/ATR-10-RP	BP/ATR-10-RP
Blue	15	ATR-15	BP/ATR-15-RP	BP/ATR-15-RP
Yellow	20	ATR-20	BP/ATR-20-RP	BP/ATR-20-RP
Clear	25	ATR-25	BP/ATR-25-RP	BP/ATR-25-RP
Green	30	ATR-30	BP/ATR-30-RP	BP/ATR-30-RP

* 5 Fuses per pack, 20 packs per shelf carton.
 ** 5 Fuses per pack, 5 packs per shelf carton.
 *** 50 Fuses per pack.

ATM blade fuses

See page 8 for easyID illuminating versions

ATM fuses feature an enclosed element for electrical isolation, corrosion resistance and longer service life.



Color code	Amps	Trad'l pack*	Reload**	Retail pack***	Value pack†	Bulk pack‡
Black	1	ATM-1	—	—	—	BK/ATM-1
Gray	2	ATM-2	ATM-2RLD	BP/ATM-2-RP	VP/ATM-2-RP	BK/ATM-2
Violet	3	ATM-3	ATM-3RLD	BP/ATM-3-RP	VP/ATM-3-RP	BK/ATM-3
Pink	4	ATM-4	—	BP/ATM-4-RP	VP/ATM-4-RP	BK/ATM-4
Tan	5	ATM-5	ATM-5RLD	BP/ATM-5-RP	VP/ATM-5-RP	BK/ATM-5
Brown	7-1/2	ATM-7-1/2	ATM-7-1/2-RLD	BP/ATM-7-1/2-RP	VP/ATM-7-1/2-RP	BK/ATM-7-1/2
Red	10	ATM-10	ATM-10RLD	BP/ATM-10-RP	VP/ATM-10-RP	BK/ATM-10
Blue	15	ATM-15	ATM-15RLD	BP/ATM-15-RP	VP/ATM-15-RP	BK/ATM-15
Yellow	20	ATM-20	ATM-20RLD	BP/ATM-20-RP	VP/ATM-20-RP	BK/ATM-20
Clear	25	ATM-25	ATM-25RLD	BP/ATM-25-RP	VP/ATM-25-RP	BK/ATM-25
Green	30	ATM-30	ATM-30RLD	BP/ATM-30-RP	VP/ATM-30-RP	BK/ATM-30

* 5 Fuses per pack, 20 packs per shelf carton.
 ** 10 Fuses per pack.
 *** 5 Fuses per pack, 5 packs per shelf carton.
 † 25 Fuses per pack, 5 packs per shelf carton.
 ‡ 500 Fuses per pack.

Low-profile ATM blade fuses

Low-profile ATM fuses have the same ratings and universal color-coding as ATM and ATC fuses.



Color code	Amps	Trad'l pack*	Retail pack**	Value pack***	Bulk pack†
Gray	2	ATM-2LP	—	—	—
Violet	3	ATM-3LP	—	—	—
Pink	4	ATM-4LP	—	—	—
Tan	5	ATM-5LP	BP/ATM-5LP-RP	—	BK/ATM-5LP
Brown	7-1/2	ATM-7-1/2LP	BP/ATM-7-1/2LP-RP	—	BK/ATM-7-1/2LP
Red	10	ATM-10LP	BP/ATM-10LP-RP	VP/ATM-10LP-RP	BK/ATM-10LP
Blue	15	ATM-15LP	BP/ATM-15LP-RP	VP/ATM-15LP-RP	BK/ATM-15LP
Yellow	20	ATM-20LP	BP/ATM-20LP-RP	VP/ATM-20LP-RP	BK/ATM-20LP
Clear	25	ATM-25LP	BP/ATM-25LP-RP	—	BK/ATM-25LP
Green	30	ATM-30LP	BP/ATM-30LP-RP	—	BK/ATM-30LP

* 5 Fuses per pack, 20 packs per shelf carton.
 ** 5 Fuses per pack, 5 packs per shelf carton.
 *** 25 Fuses per pack, 5 packs per shelf carton.
 † 500 Fuses per pack.

ATL blade fuses

3-Leg micro fuses

These space-saving fuses are used on newer vehicles. The ATL fuses combine protection for two circuits in one package.



Color code	Amps	Trad'l pack*	Bulk pack**
Tan	5	ATL-5	BK/ATL-5
Brown	7-1/2	ATL-7-1/2	BK/ATL-7-1/2
Red	10	ATL-10	BK/ATL-10
Blue	15	ATL-15	BK/ATL-15

* 5 Fuses per pack, 5 packs per shelf carton.
 ** 50 Fuses per pack.

ATC blade fuses

See page 8 for easyID illuminating versions

ATC blade fuses use the industry standard color-coding to indicate amp rating. Bussmann series ATC fuses are UL Recognized and feature an enclosed element for electrical isolation, corrosion resistance and longer service life. BK/ATC-5 through 30 A also available with open body. Refer to data sheet No. 2009 for available options.



Color code	Amps	Trad'l pack*	Reload**	Retail pack***	Value pack†	Bulk pack‡
Black	1	ATC-1	—	BP/ATC-1-RP	—	BK/ATC-1
Gray	2	ATC-2	—	BP/ATC-2-RP	—	BK/ATC-2
Violet	3	ATC-3	ATC-3RLD	BP/ATC-3-RP	VP/ATC-3-RP	BK/ATC-3
Pink	4	ATC-4	ATC-4RLD	BP/ATC-4-RP	VP/ATC-4-RP	BK/ATC-4
Tan	5	ATC-5	ATC-5RLD	BP/ATC-5-RP	VP/ATC-5-RP	BK/ATC-5
Brown	7-1/2	ATC-7-1/2	ATC-7-1/2RLD	BP/ATC-7-1/2-RP	VP/ATC-7-1/2-RP	BK/ATC-7-1/2
Red	10	ATC-10	ATC-10RLD	BP/ATC-10-RP	VP/ATC-10-RP	BK/ATC-10
Blue	15	ATC-15	ATC-15RLD	BP/ATC-15-RP	VP/ATC-15-RP	BK/ATC-15
Yellow	20	ATC-20	ATC-20RLD	BP/ATC-20-RP	VP/ATC-20-RP	BK/ATC-20
Clear	25	ATC-25	ATC-25RLD	BP/ATC-25-RP	VP/ATC-25-RP	BK/ATC-25
Green	30	ATC-30	ATC-30RLD	BP/ATC-30-RP	VP/ATC-30-RP	BK/ATC-30
Bl-Gn	35	ATC-35	—	—	—	BK/ATC-35
Orange	40	ATC-40	—	BP/ATC-40-RP	VP/ATC-40-RP	BK/ATC-40

* 5 Fuses per pack, 20 packs per shelf carton.
 ** 25 Fuses per pack.
 *** 5 Fuses per pack, 5 packs per shelf carton.
 † 25 Fuses per pack, 5 packs per shelf carton.
 ‡ 2000 Fuses per pack.

MAXI™ (MAX) blade fuses

See page 8 for easyID illuminating versions

MAXI fuses protect circuits in the wiring harness - usually found under the hood, in a fuse panel or supplementary panel near the battery. Ideal for aftermarket accessories (such as high-end stereos) that require protection up to 80 amps.



Color code	Amps	Trad'l. pack*	Retail pack**	Bulk pack***
Yellow	20	MAX-20	BP/MAX-20-RP	BK/MAX-20
Gray	25	MAX-25	—	BK/MAX-25
Green	30	MAX-30	BP/MAX-30-RP	BK/MAX-30
Brown	35	MAX-35	—	—
Orange	40	MAX-40	BP/MAX-40-RP	BK/MAX-40
Red	50	MAX-50	BP/MAX-50-RP	BK/MAX-50
Blue	60	MAX-60	BP/MAX-60-RP	BK/MAX-60
Tan	70	MAX-70	BP/MAX-70-RP	BK/MAX-70
Clear	80	MAX-80	BP/MAX-80-RP	BK/MAX-80

* 1 Fuse per pack, 20 packs per shelf carton.
 ** 1 Fuse per pack, 5 packs per shelf carton.
 *** 250 Fuses per pack.

Finding the open fuse is easy with the Bussmann series easyID blade fuses and holders

These drop-in replacements are available for applications that can benefit from open fuse indication. The easyID illuminating blade fuses and holders use LED technology that makes blown fuses easy to spot in fuse panels tucked up under dark dashboards.

In-line easyID fuse holders allow adding fused circuits with blown fuse indication using regular ATM, ATC and MAXI fuses.

Trilingual packaging in English, Spanish and French.

easyID ATM fuses

Following on the popularity and wide application of ATM fuses, the easyID illuminating ATM fuse is available in popular amp ratings with trilingual packaging that's designed for easy selling.



See page 12 for easyID fuse holders.

Color code	Amps	Retail pack*	Value pack**	Bulk pack***
Violet	3	BP/ATM-3ID	—	BK/ATM-3ID
Tan	5	BP/ATM-5ID	—	BK/ATM-5ID
Brown	7-1/2	BP/ATM-7-1/2ID	—	BK/ATM-7-1/2ID
Red	10	BP/ATM-10ID	VP/ATM-10ID	BK/ATM-10ID
Blue	15	BP/ATM-15ID	VP/ATM-15ID	BK/ATM-15ID
Yellow	20	BP/ATM-20ID	VP/ATM-20ID	BK/ATM-20ID
Clear	25	BP/ATM-25ID	VP/ATM-25ID	BK/ATM-25ID
Green	30	BP/ATM-30ID	VP/ATM-30ID	BK/ATM-30ID

* 2 Fuses per pack, 5 packs per shelf carton.
 ** 10 Fuses per pack, 5 packs per shelf carton.
 *** 50 Fuses per pack.

BP/ATM-AID fuse assortment

Contains one each of 10, 15, 20, 25 and 30 amp fuses.

ATM-FP-AID fuse emergency kit

Contains one each of 10, 15, 20, 25 and 30 amp fuses plus a fuse puller.

ATM-ID-SK fuse service kit

Contains six each of 5, 10, 15, 20, 25 and 30 amp fuses, making this service kit ideal for fleet maintenance departments.

easyID FMX female MAXI fuses

Following on the popularity and wider application of FMX fuses for late-model vehicles, the easyID FMX fuse, with LED blown fuse indication, is available in popular amp ratings with trilingual packaging that's designed for easy selling.

Color	Amps	Retail pack*
Blue	20	BP/FMX-20ID
Pink	30	BP/FMX-30ID
Green	40	BP/FMX-40ID
Red	50	BP/FMX-50ID
Yellow	60	BP/FMX-60ID

* 1 Fuse per pack, 5 packs per shelf carton.



easyID ATC fuses

With a large installed base, the ATC easyID illuminating fuse has great selling potential in popular amp ratings with trilingual packaging that's designed for easy selling.

See page 12 for easyID fuse holders.



Color code	Amps	Retail pack*	Value pack**	Bulk pack***
Violet	3	BP/ATC-3ID	—	BK/ATC-3ID
Tan	5	BP/ATC-5ID	—	BK/ATC-5ID
Brown	7-1/2	BP/ATC-7-1/2ID	—	BK/ATC-7-1/2ID
Red	10	BP/ATC-10ID	VP/ATC-10ID	BK/ATC-10ID
Blue	15	BP/ATC-15ID	VP/ATC-15ID	BK/ATC-15ID
Yellow	20	BP/ATC-20ID	VP/ATC-20ID	BK/ATC-20ID
Clear	25	BP/ATC-25ID	VP/ATC-25ID	BK/ATC-25ID
Green	30	BP/ATC-30ID	VP/ATC-30ID	BK/ATC-30ID
Blue-Green	35	BP/ATC-35ID	—	—
Orange	40	BP/ATC-40ID	—	BK/ATC-40ID

* 2 Fuses per pack, 5 packs per shelf carton.
 ** 10 Fuses per pack, 5 packs per shelf carton.
 *** 50 Fuses per pack.

BP/ATC-AID fuse assortment

Contains one each of 10, 15, 20, 25 and 30 amp fuses.

ATC-FP-AID fuse emergency kit

Contains one each of 10, 15, 20, 25 and 30 amp fuses plus a fuse puller.

ATC-ID-SK fuse service kit

Contains seven each of 5, 10, 15, 20, 25 and 30 amp fuses, making this kit ideal for fleet maintenance departments.

easyID MAXI™ (MAXI) fuses

With ratings up to 100 amps, the Bussmann series easyID MAXI illuminating fuse line is a sure seller with trilingual retail packaging that's designed for easy selling.

See page 12 for easyID fuse holders.



Color code	Amps	Retail pack*	Bulk pack**
Yellow	20	BP/MAX-20ID	—
Green	30	BP/MAX-30ID	BK/MAX-30ID
Orange	40	BP/MAX-40ID	BK/MAX-40ID
Red	50	BP/MAX-50ID	BK/MAX-50ID
Blue	60	BP/MAX-60ID	BK/MAX-60ID
Tan	70	BP/MAX-70ID	—
Clear	80	BP/MAX-80ID	BK/MAX-80ID
Violet	100	BP/MAX-100ID	—

* 1 Fuse per pack, 5 packs per shelf carton.
 ** 250 Fuses per pack.

Multi-pole fuses

Bussmann series multi-pole fuses (MPFs) provide sales-making opportunities formerly only dealerships and online parts websites enjoyed.

Multi-pole fuses are OEM fuses that combine multiple circuits in to a single design to reduce the weight, space and cost of traditional fusing solutions. These fuses have been used since 2002 in popular models of Nissan®, Infiniti®, Toyota®, and Lexus models.

These fuses are easy to replace by service technicians and DIYers alike using the same female maxi-type fuse puller.



MPF

32 Vdc multi-pole fuses

Color code	Amps	Trad'l pack*	Bulk pack**	OEM no.	Vehicle make
Pink	40, 30, 30	MPF-433X	BK/MPF-433X	24370-C9902	Nissan, Infiniti
Green	40, 40, 40	MPF-444X	BK/MPF-444X	24370-C9900	Nissan, Infiniti
Red	50, 30, 30	MPF-533X	BK/MPF-533X	24370-C9906	Nissan, Infiniti
Blue	50, 30, 40	MPF-534X	BK/MPF-633X	24370-C9907	Nissan, Infiniti
Yellow	60, 30, 30	MPF-633X	BK/MPF-534X	24370-C9904	Nissan

* 1 Fuse per pack, 10 packs per shelf carton.

** 50 Fuses per pack.

MPF2

58 Vdc multi-pole fuses



Color code	Amps	Trad'l pack*	Bulk pack**	OEM no.	Vehicle make
Yellow	30, 20, 40	MPF2-324X	BK/MPF2-324X	24370-C991C	Nissan
Pink	40, 30, 30	MPF2-433X	BK/MPF2-433X	24370-C991A	Nissan
				90982-08308	Toyota, Lexus
Green	40, 40, 40	MPF2-444X	BK/MPF2-444X	24370-C991B	Nissan, Infiniti
				90982-08299	Toyota, Lexus
Red	50, 30, 30	MPF2-533X	BK/MPF2-533X	24370-C992A	Nissan, Infiniti
				90982-08300	Toyota, Lexus
Blue	50, 30, 40	MPF2-534X	BK/MPF2-534X	24370-C992B	Nissan, Infiniti
				90982-08301	Toyota, Lexus
Black	50, 30, 50	MPF2-535X	BK/MPF2-535X	24370-C992C	Nissan, Infiniti
				90982-08302	Toyota, Lexus
Maroon	50, 50, 50	MPF2-555X	BK/MPF2-555X	90982-08303	Lexus

* 1 Fuse per pack, 10 packs per shelf carton.

** 50 Fuses per pack.

Female MAXI fuses

Developed to meet the demand for smaller components, the FMX and low-profile FMX female MAXI fuses offer high amp protection in compact packages. Both FMX and low-profile FMX fuses are available in amp ratings from 20 to 60 A.

See page 8 for easyID FMX female Maxi fuses

FMX

Female MAXI fuses



1.06"

Color code	Amps	Trad'l pack*	Retail pack**
Blue	20	FMX-20	BP/FMX-20-RP
White	25	FMX-25	BP/FMX-25-RP
Pink	30	FMX-30	BP/FMX-30-RP
Green	40	FMX-40	BP/FMX-40-RP
Red	50	FMX-50	BP/FMX-50-RP
Yellow	60	FMX-60	BP/FMX-60-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

FMX-LP

Low-profile female MAXI fuses



0.625"

Color code	Amps	Trad'l pack*	Retail pack**
Blue	20	FMX-20LP	BP/FMX-20LP-RP
White	25	FMX-25LP	BP/FMX-25LP-RP
Pink	30	FMX-30LP	BP/FMX-30LP-RP
Green	40	FMX-40LP	BP/FMX-40LP-RP
Red	50	FMX-50LP	BP/FMX-50LP-RP
Yellow	60	FMX-60LP	BP/FMX-60LP-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.



0.59"

FMM

Micro fuses

The new FMM micro slow-blow fuse meets the latest demand for smaller, high current circuit protection products being found on new model vehicles.

Color code	Amps	Trad'l pack*	Retail pack**	Bulk pack***
Grey	15	FMM-15	BP/FMM-15-RP	BK/FMM-15
Blue	20	FMM-20	BP/FMM-20-RP	BK/FMM-20
White	25	FMM-25	BP/FMM-25-RP	BK/FMM-25
Pink	30	FMM-30	BP/FMM-30-RP	BK/FMM-30
Green	40	FMM-40	BP/FMM-40-RP	BK/FMM-40

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

*** 50 Fuses per pack.

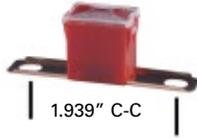
FL family of cartridge fuses

Used primarily in Japanese-designed vehicles for wiring harness protection.

FLB

Bolt-mount fuses

Fits 13/16" bolt terminal fuse block.



Color code	Amps	Trad'l pack*	Retail pack**
Pink	30	FLB-30	BP/FLB-30-RP
Green	40	FLB-40	BP/FLB-40-RP
Red	50	FLB-50	BP/FLB-50-RP
Yellow	60	FLB-60	BP/FLB-60-RP
Brown	70	FLB-70	BP/FLB-70-RP
Black	80	FLB-80	BP/FLB-80-RP
Blue	100	FLB-100	BP/FLB-100-RP
Gray	120	FLB-120	BP/FLB-120-RP
Maroon	140	FLB-140	BP/FLB-140-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

FLD

Bolt-mount fuses

Fits 9/16" bolt terminal fuse block.



Color code	Amps	Trad'l pack*	Retail pack**
Pink	30	FLD-30	BP/FLD-30-RP
Green	40	FLD-40	BP/FLD-40-RP
Red	50	FLD-50	BP/FLD-50-RP
Yellow	60	FLD-60	BP/FLD-60-RP
Brown	70	FLD-70	BP/FLD-70-RP
Black	80	FLD-80	BP/FLD-80-RP
Blue	100	FLD-100	BP/FLD-100-RP
Gray	120	FLD-120	BP/FLD-120-RP
Maroon	140	FLD-140	BP/FLD-140-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

FLF

Female fuses



Color code	Amps	Trad'l pack*	Retail pack**
Lt-Blue	20	FLF-20	BP/FLF-20-RP
Pink	30	FLF-30	BP/FLF-30-RP
Green	40	FLF-40	BP/FLF-40-RP
Red	50	FLF-50	BP/FLF-50-RP
Yellow	60	FLF-60	BP/FLF-60-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

FLG

Female fuses



Color code	Amps	Trad'l pack*	Retail pack**
Red	50	FLG-50	BP/FLG-50-RP
Yellow	60	FLG-60	BP/FLG-60-RP
Black	80	FLG-80	BP/FLG-80-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

FLM

Male fuses



Color code	Amps	Trad'l pack*	Retail pack**
Pink	30	FLM-30	BP/FLM-30-RP
Green	40	FLM-40	BP/FLM-40-RP
Yellow	60	FLM-60	BP/FLM-60-RP
Black	80	FLM-80	BP/FLM-80-RP
Blue	100	FLM-100	BP/FLM-100-RP
Gray	120	FLM-120	BP/FLM-120-RP
Violet	140	FLM-140	—

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

FLN

Female fuses with tab



Color code	Amps	Trad'l pack*	Retail pack**
Brown	25	FLN-25	BP/FLN-25-RP
Green	30	FLN-30	BP/FLN-30-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

FLS

Miniature female fuses



Color code	Amps	Trad'l pack*	Retail pack**
Pink	30	FLS-30	BP/FLS-30-RP
Green	40	FLS-40	BP/FLS-40-RP

* 1 Fuse per pack, 10 packs per shelf carton.

** 1 Fuse per pack, 5 packs per shelf carton.

Battery terminal fuses

Bussmann series battery terminal fuses (BTFs) provide sales-making opportunities formerly only dealerships and online parts websites enjoyed.

These fuses have been used since 2001 in popular models of Chrysler®, Ford®, Lexus, Lincoln, Mercury, Mitsubishi, Nissan®, Scion, Subaru, Suzuki, and Toyota® models.

Bussmann series BTFs are OEM fuses that contain one or more circuits in a single design to reduce the weight, space and cost of traditional fusing solutions to protect the cables coming off the battery and other electrical components.

These fuses are easy to replace by service technicians and DIYers alike using common hand tools.

See page 22 for battery switches, and pages 32 and 33 for isolators and separators

BTF

Battery terminal fuses



Amps	Trad'l pack*	OEM part no.	Vehicle make
80	BTF-1P-80	82211AG150	Subaru
		3673-950J00	Suzuki
100	BTF-1P-100	MN164187	Mitsubishi
		3673-952J00	Suzuki
120	BTF-1P-120	MN164188	Mitsubishi
		3673-966J00	Suzuki
140	BTF-1P-140	82620-33040	Lexus, Scion, Toyota
		24380-JA70A	Nissan
180, 120	BTF-2P-180120	68164797-AA	Chrysler
		BR3Z-14526-AA	Ford
200, 100	BTF-2P-200100	AE5Z-14526-BA	Ford, Lincoln, Mercury
250, 125	BTF-2P-250125	AL3Z-14526-AA	Ford
120, 60, 80	BTF-3P-1206080**	82620-52080A	Scion, Toyota
120, 80, 80	BTF-3P-1208080**	82620-52060A	Scion, Toyota

* 1 Fuse per pack, 5 packs per shelf carton.

** 1 Fuse per pack, 24 packs per master carton.

CBBF battery fuses

These fuses are suitable for main and auxiliary circuit protection (alternator outputs, starter motor inputs and accessories) in demanding environments or tight space constraints. Marine-rated under SAE J1171 for ignition protection. Use with CBBF-MBC mounting bar.



Amps	Trad'l pack*
30	CBBF-30
40	CBBF-40
50	CBBF-50
60	CBBF-60
70	CBBF-75
80	CBBF-80
90	CBBF-90
100	CBBF-100
125	CBBF-125
150	CBBF-150
175	CBBF-175
200	CBBF-200
250	CBBF-250
300	CBBF-300

* 1 Fuse per pack, 10 packs per shelf carton.

CBBF-MBC mounting bar

Mounting bar with 1/4-20 stud, nut and cover for the CBBF battery fuse.

Order catalog number CBBF-MBC*.

* 1 Bar per pack, 10 packs per shelf carton.



AMG

Stud-mount fuses

AMG fuses are for high current applications on select late model vehicles and available in ratings from 80 to 500 A. Use with the HMEG fuse block - see below.



Amps	Trad'l pack*	Retail pack**
80	AMG-80	—
100	AMG-100	—
125	AMG-125	—
150	AMG-150	—
175	AMG-175	BP/AMG-175-RP
200	AMG-200	—
225	AMG-225	—
250	AMG-250	—
300	AMG-300	—
400	AMG-400	—
450	AMG-450	—
500	AMG-500	—

* 1 Fuse per pack, 10 packs per shelf carton.
** 1 Fuse per pack, 5 packs per shelf carton.

HMEG

Fuse block

For use with up to 500 amp AMG fuses, the HMEG bolt-in fuse holder features an impact resistant base and elastomer cover for full access and ease of wiring using 8 AWG to 1/0 wire.

Order catalog number HMEG* or bulk catalog number FMG-211.**

* 1 fuse block per pack, 24 packs per master carton.

** 100 fuse blocks per pack.



AMI

Stud-mount fuses

Used in some late model vehicle systems for high power distribution. Use with HMID fuse holder - see below.



Amps	Trad'l pack*
30	AMI-30
40	AMI-40
50	AMI-50
60	AMI-60
70	AMI-70
80	AMI-80
100	AMI-100
125	AMI-125
150	AMI-150B
200	AMI-200

* 1 Fuse per pack, 10 packs per shelf carton.

HMID

Fuse block

Use with up to 80 amp AMI fuses. Multiple blocks can be dovetailed together to form an assembly.

Removable, splash resistant cover for full access and ease of wiring using 8 AWG to 1/0 wire.

Order catalog number HMID*.

* 1 Fuse block per pack, 10 packs per shelf carton.



We offer a complete line of Bussmann series fuse holders to install blade or glass tube fuses. Choose water resistant and/or splash-proof versions for extra protection in special applications. Five available connector types meet the needs of technicians and do-it-yourselfers:

- **Wire loop:** To install, simply cut the wire, strip ends and attach each end to the circuit. Requires using additional connectors. See catalog numbers HHK, HMJ, HMK, HRI, HRJ and HRK.
- **Open wire:** To install, simply strip lead ends and attach each end to the circuit. Requires using additional connectors. See catalog numbers ATC-FHID, ATM-FHID, MAX-FHID, HHC, HHD, HHF, HHG, HHL, HHM, HHN, HHR, HHU and HHX.
- **Crimp-on:** Strip the wire, insert into fuse holder and crimp tightly, and you're done. No additional hardware needed. See catalog numbers HFA, HFB and HHB.
- **Self-stripping:** To install, simply locate fuse holder at a convenient spot along the wire. Snap fuse holder closed around wire to automatically pierce insulation. See catalog number HHS.
- **Solder:** To install, simply solder the wire onto the holder's terminals. See catalog number HKP.
- **Quick-connect:** Attach fully insulated female terminal onto the 1/4" quick-connect terminals. See catalog numbers HKP-HH, HTB-26I, HTB-38I, HTB-68I and HTB-88I.

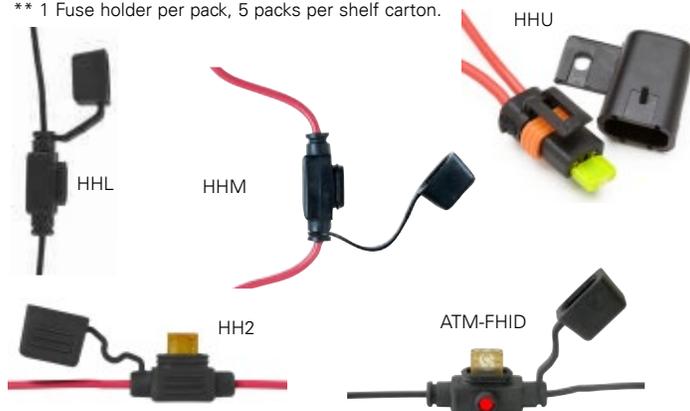
Select fuse holders by matching it to the wire size being fused. An undersized fuse holder will increase electrical resistance and reduce performance in the circuit.

NOTE: Never install a fuse with a larger amp rating than specified for the application, holder or wire size.

In-line ATR and ATM fuse holders

Trad'l pack*	Retail pack**	Max volts/amps	Leadwire	Description
ATR				
HH2	—	32 V/15 A	2x4"/#16	Holder with cover
ATM				
HHL	BP/HHL-RP	32 V/20 A	2x4"/#16	Holder with cover
HHM	BP/HHM-RP	32 V/30 A	2x4"/#12	Holder with cover
HHU	BP/HHU	32 V/30 A	2x4"/#12	Water-resistant holder
ATM-FHID	BP/ATM-FHID	32 V/20 A	2x4"/#16	Holder with protective cover and open fuse illuminating LED

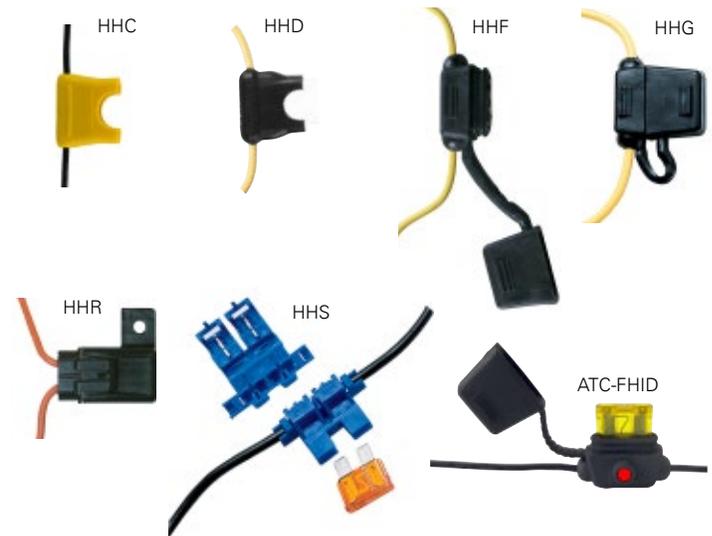
* 1 Fuse holder per pack, 10 packs per shelf carton.
** 1 Fuse holder per pack, 5 packs per shelf carton.



In-line ATC fuse holders

Trad'l pack*	Retail pack**	Max volts/amps	Leadwire	Description
HHC	BP/HHC-RP	32 V/20 A	2x4"/#16	Yellow fuse holder
HHD	BP/HHD-RP	32 V/30 A	2x4"/#12	Black fuse holder
—	BP/HHD-30-RP	32 V/30 A	2x4"/#12	Holder with ATC-30 A fuse
HHF	BP/HHF-RP	32 V/20 A	2x4"/#16	Holder with protective cover
HHG	BP/HHG-RP	32 V/30 A	2x4"/#12	Heavy-duty holder with cover
HHR	BP/HHR	32 V/30 A	2x5"/#12	Heavy-duty water-resistant holder
—	BP/HHS-RP	32 V/20 A	#18 to 14	Self-stripping fuse holder
ATC-FHID	BP/ATC-FHID	32 V/20 A	2x6"/#16	Holder with protective cover and open fuse illuminating LED

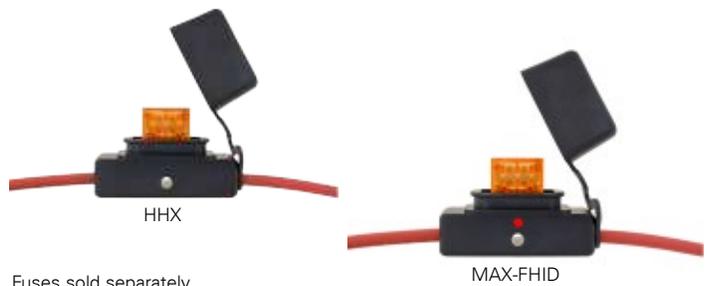
* 1 Fuse holder per pack, 10 packs per shelf carton.
** 1 Fuse holder per pack, 5 packs per shelf carton.



In-line MAXI fuse holders

Catalog no.*	Retail pack**	Max volts /amps	Lead-wire	Description
HHX	—	32 V/60 A	2x5"/#6	Fuse holder with cover
MAX-FHID	—	32 V/60 A	2x5"/#6	Fuse holder with protective cap and open fuse illuminating LED

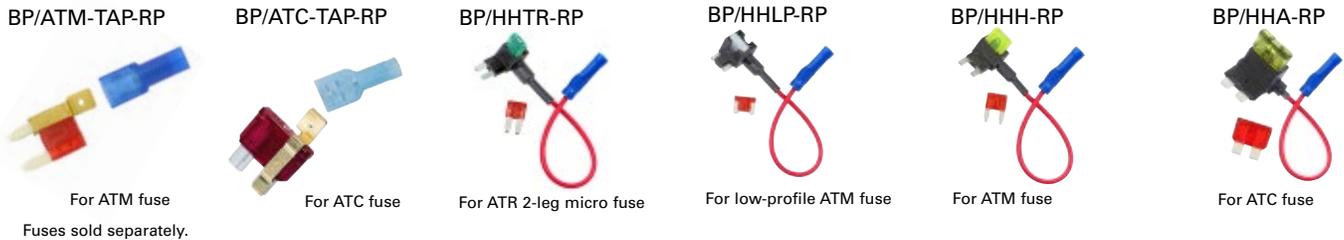
* 1 Fuse holder per pack, 10 packs per shelf carton.
** 1 Fuse holder per pack, 5 packs per shelf carton.



ATR, low-profile ATM, ATM and ATC add-a-circuits and fuse taps

Retail pack*	Description
BP/ATM-TAP-RP	Taps into existing ATM fuse for additional non-fused circuit, includes crimp-on connector - fuses not included
BP/ATC-TAP-RP	Taps into existing ATC fuse by fitting over the leg for additional non-fused circuit, includes crimp-on connector - fuses not included
BP/HHTR-RP	Adds a 10 A max ATR 2-leg micro fuse circuit by inserting into an existing ATR fuse block with 5 inch #16 leadwire and crimp connector - fuses not included
BP/HHLP-RP	Adds a 10 A max low-profile ATM fuse circuit by inserting into an existing ATM fuse block with 5 inch #16 leadwire and crimp connector - fuses not included
BP/HHH-RP	Adds a 10 A max ATM fuse circuit by inserting into an existing ATM fuse block with 5 inch #16 leadwire and crimp connector - fuses not included
BP/HHA-RP	Adds a 10 A max ATC fuse circuit by inserting into an existing ATC fuse block with 5 inch #16 leadwire and crimp connector - fuses not included

* 1 Part per pack, 5 packs per shelf carton.



Glass tube in-line holders for 1/4" diameter fuses

Trad'l pack*	Retail pack**	Fuse/size	Max volts/amps	Leads/terminals	Description/feature
HFA	—	1/4" x 1-1/4"	250 V/20 A	Crimp #12 to 16 wire	Water-resistant - black body
HFB-R	BP/HFB-RP	1/4" x 1-1/4"	32 V/30 A	Crimp #12 to 18 wire	Water-resistant - yellow body
HHB	BP/HHB-RP	1/4" x 7/8" to 1-1/4"	32 V/30 A	Crimp #12 to 16 wire	Universal - yellow body
HHK	BP/HHK-RP	1/4" x 5/8" to 1-1/4" and SFE-20	32 V/20 A	#14 leadwire/yellow	Universal nylon, twist lock, no fuse - black body
HHN†	BP/HHN-RP	1/4" x 1-1/4"	32 V/30 A	#12 leadwire/yellow	Nylon heavy-duty with AGC-30 fuse - white body
HLR	—	For GMF fuse, see page 38	300 V/15 A	6" of #18 leadwire/red	Holder with installed lineside terminal wire for GMF fuses
HMJ	BP/HMJ-RP	For SFE-20 (included)	32 V/20 A	8" of #14 leadwire/black	With fuse and wire loop leads - black body
HMK	BP/HMK-RP	1/4" x 1-1/4" and SFE-20	32 V/30 A	#12 leadwire/black	No fuse, wire loop leads - black body
HRH	—	For SFE-9 (included)	32 V/9 A	19" of #14 leadwire	With fuse and wire loop leads - black body
HRI	—	For SFE-14 (included)	32 V/14 A	19" of #14 leadwire/black	With fuse and wire loop leads - gray body
HRJ	—	For SFE-20 (included)	32 V/20 A	19" of #14 leadwire/black	With fuse and wire loop leads - black body
HRK	BP/HRK-RP	1/4" dia. x 7/8" to 1-1/4"	32 V/20 A	#14 leadwire/black	Universal with wire loop leads and springs for different fuse lengths - black body

* 1 Fuse holder per pack, 10 packs per shelf carton.

** 1 Fuse holder per pack, 5 packs per shelf carton.

† Traditional pack not sold with AGC-30 fuse.



Panel-mount holders for 1/4" x 1-1/4" fuses

Trad'l pack*	Retail pack**	Description/mounting	Max. panel thickness	Knob type	Terminals	Max volts/amps
HKP	—	High-profile cover knob, rear hexnut	0.3"	Knob	Solder terminals	250 V/30 A
HKP-HH	BP/HKP-HH-RP	High-profile cover knob, rear hexnut	0.3"	Knob	1/4" quick-connect terminals	250 V/15 A
HTB-26I	—	Low-profile cover knob, rear hexnut	0.3"	Knob	In-line 1/4" quick-connect terminals	250 V/20 A
HTB-38I	—	Low-profile cover knob, rear hexnut	0.3"	Screwdriver/Slotted	Right angle 1/4" quick-connect terminals	250 V/20 A
HTB-68I	—	Low-profile cover knob, front hexnut	0.3"	Knob	Right angle 1/4" quick-connect terminals	250 V/20 A
HTB-88I	—	Low-profile cover knob, through-hole snap	0.125"	Knob	Right angle 1/4" quick-connect terminals	250 V/20 A

* 1 Fuse holder per pack, 10 packs per shelf carton.

** 1 Fuse holder per pack, 5 packs per shelf carton.



Splash-proof ATR, ATM and ATC fuse blocks

The Bussmann series FB fuse blocks are available in 4-, 6-, 8- and 10-pole versions for ATR micro, ATM and ATC fuses.

The clear plastic cover allows viewing for installed fuse amp ratings and blown fuses when used with *easyID™* ATM and ATC fuses. The cover's O-ring provides a splash-proof IPX4 rating and ensures a positive fit to reduce infiltration of dirt and other contaminants. The plastic back plate provides additional isolation from ground sources when mounted on any chassis surface. All blocks are rated 32 V and 20 amps per pole, with maximum total amps per block not to exceed the value shown in the catalog number table.



Mounting requires two customer-supplied #10 screws. Electrical connection is easily made with readily available, customer supplied 1/4" quick-connect terminals and 12 to 16 AWG* wire.

*Wire size dependent on length of run.

Fuse type	Poles	Retail pack*	Max. total amps per block
ATR micro	4	BP/FB4-ATR	30
	6	BP/FB6-ATR	45
	8	BP/FB8-ATR	60
	10	BP/FB10-ATR	90
ATM mini	4	BP/FB4-ATM	30
	6	BP/FB6-ATM	45
	8	BP/FB8-ATM	60
ATC	4	BP/FB4-ATC	30
	6	BP/FB6-ATC	45
	8	BP/FB8-ATC	60
	10	BP/FB10-ATC	90

* 1 Per pack, 5 packs per shelf carton.

RTMF ATM fuse panel

The Rear Terminal 20 Position (RTMF) fuse panel for ATM fuses provides efficient power distribution in a rugged compact package. The RTMF offers a weather-tight enclosure (IP66/67) for ATM fuses and circuit breakers when cover, cable seals, and cavity plugs are installed.*

* Electrical terminals, cable seals and cavity plugs are either Delphi Packard Metri-Pack® 280 Series terminals (sealed/tangless) or AMP® terminals. They accept #12-22 AWG wire sizes. Delphi Packard 280 Series cavity plugs are installed where wires are not used. Seals and cavity plugs not sold by Eaton.

Shown with deep cover. Fuses and circuit breakers sold separately.



Catalog no.*	Description
RTMF	20 position fuse block
RTMF-SC	20 position fuse block with shallow cover
RTMF-DC	20 position fuse block with deep cover

* 1 Per box, 10 boxes per shelf carton.

15600 fuse panels

A single, common power input makes it simple to wire multiple fused circuits - each rated to 20 amps (95 amps max per panel), up to 32 volts. Molded of high grade thermoplastic, for superior performance, the 15600 fuse panel features 1/4" quick-connect terminals for easy installation. Recessed fuse contacts provide finger-safe protection.



Short base shown. Fuses and circuit breakers sold separately.

Available in short base (without ground pad terminal strip) and long base (includes ground pad terminal strip that provides 1/4" quick connect terminals for separate ground lead connection).

Note: The 15600 ATC fuse panels are not intended for installation under the hood or in an environment that would expose them to water or extreme temperatures.

Fuse positions	Short base catalog no.*	Short base retail pack**	Long base catalog no.
4	15600-04-20	—	15600-04-21
6	15600-06-20	BP/15600-06-20	15600-06-21
8	15600-08-20	—	15600-08-21
10	15600-10-20	—	15600-10-21
12	15600-12-20	—	15600-12-21
14	15600-14-20	—	15600-14-21
16	15600-16-20	—	15600-16-21
18	15600-18-20	—	15600-18-21
20	15600-20-20	—	15600-20-21

* 1 Per pack.

** 1 Per pack, 5 boxes per shelf carton.

Power distribution relay module and fuse block

The sealed power FMX fuse module (CBPFM) and power relay module (CBPRM) are compact power distribution modules for high current applications having extreme moisture and high vibration.

The CBPFM power fuse module has two FMX fuse positions for separate circuits.

The 24 volt CBPRM power relay module contains a 35 amp relay and two FMX fuse positions (one protects the relay and the other a single-circuit in-line fuse).

Both the CBPRM and CBPFM feature rugged M8 power input studs, and an IP66 removable, weather-tight cover to protect the fuse positions.

Electrical terminations not supplied by Eaton, FMX fuses sold separately.



CBPFM Power fuse module



CBPRM Power relay module

Catalog no.*	Description
CBPFM	Power fuse module
CBPRM	Power relay module

* 1 Per box.

Bussmann series S-8202 300 volt, 20 amp glass tube fuse blocks

S-8202 blocks with 1/4" quick-connect 40° bend terminals are available in 1 up to 12 poles. Break-away design permits snapping off or combining poles to get the exact number required for the application. UL Recognized, 20 amps maximum.

Fuse block poles	Trad'l pack*	Retail pack**
1	S-8202-1	—
2	S-8202-2	BP/S-8202-2-RP
3	S-8202-3	—
4	S-8202-4	BP/S-8202-4-RP
5	S-8202-5	—
10	S-8202-10	—
12	S-8202-12	—

* 1 Per pack, 10 packs per shelf carton.

** 1 Per pack, 5 packs per shelf carton.



Bussmann series S-8301 300 volt, 30 amp glass tube fuse blocks

S-8301 blocks with screw connect terminals are available in 1 up to 12 poles. Break-away design permits snapping off or combining poles to get the exact number required for the application. UL Recognized, 30 amps maximum.

Fuse block poles	Trad'l pack*
1	S-8301-1
2	S-8301-2
3	S-8301-3
4	S-8301-4
5	S-8301-5
6	S-8301-6
8	S-8301-8
12	S-8301-12

* 1 Per pack, 10 packs per shelf carton.



Fusible link wire

The BP/FL-14 and BP/FL-16 fusible link wire kits include 14 Vdc wire with printed wire gauge label. BP/FLW-14 is a six-foot coil of bulk fusible link wire.



Retail pack*	Description
BP/FL-14	9 inches of 14 gauge fusible link wire with 3/8" and 5/16" terminals and crimp connector
BP/FL-16	9 inches of 16 gauge fusible link wire with 1/4" and 5/16" terminals and crimp connector
BP/FLW-14	6 foot coil of 14 gauge fusible link wire

* 1 Fusible link per pack, 5 packs per shelf carton.

ANN and ANL current limiters

Used to protect charging systems in battery-operated vehicles like forklifts and golf carts, the ANN and ANL limiters offer high amp ratings in a compact 7/8" x 3-3/16" size.

Durable glass-laminated melamine body and riveted construction provides a rugged package and clear window provides visual indication.

Both the ANN and ANL limiters use the SFR fuse block.

ANN

Very fast-acting limiters



Trad'l/pack catalog no.

ANN-10	ANN-125	ANN-325
ANN-35	ANN-150	ANN-350
ANN-40	ANN-175	ANN-400
ANN-50	ANN-200	ANN-500
ANN-60	ANN-225	ANN-600
ANN-80	ANN-250	ANN-700
ANN-90	ANN-275	ANN-800
ANN-100	ANN-300	—

* 1 Limiter per pack, 5 packs per shelf carton.

ANL

Non time-delay limiters



Trad'l/pack catalog no.

ANL-35	ANL-150	ANL-350
ANL-40	ANL-175	ANL-400
ANL-50	ANL-200	ANL-500
ANL-60	ANL-225	ANL-600
ANL-80	ANL-250	ANL-675
ANL-100	ANL-275	ANL-750
ANL-125	ANL-300	—
ANL-130	ANL-325	—

* 1 Limiter per pack, 5 packs per shelf carton.

SFR

Block for ANL and ANN limiters

Open stud fuse block handles up to 800 amps. Available only without cover.

Order catalog number **SFR**.*

* 1 Block per pack, 100 packs per master carton.



We offer a large selection of Bussmann series automotive circuit breakers including both OEM-style and fuse-replacement devices.

High amp circuit breakers

High amp circuit breakers are available for automotive and marine applications in Type I and Type III reset modes. Typically used in auxiliary and accessory circuits for trucks, busses, RVs and boats, they are available in weatherproof/waterproof panel and flush mount versions. They can also be used in battery charging systems that use battery isolators to manage and protect batteries in multi-battery installations.

Type I - automatic reset

Type I circuit breakers automatically reset after opening. If the fault or overcurrent condition still exists, the breaker will continue to cycle between ON and OFF positions until the overcurrent problem is corrected. These devices are sometimes called "cycling breakers." Type I/Automatic Reset circuit breakers do not address, or correct, overcurrent or fault conditions. They only react by cycling OFF and ON. Any overcurrent or fault condition that causes a Type I circuit breaker to operate should be corrected as soon as possible. Continued vehicle operation with an overcurrent or fault condition (causing the Type I circuit breaker to cycle) is NOT recommended.

Type II - modified reset

Type II circuit breakers will remain "tripped" by an internal resistor (in the OFF position) as long as the circuit is powered. Type II breakers can be reset by turning the circuit OFF, or by turning the ignition switch to the OFF position. These devices are sometimes called "non-cycling breakers."

Type III - manual reset

Type III circuit breakers will remain tripped (in the OFF position) until an indicator button or lever is manually reset. Some Type III breakers are available with a switch feature that allows the use of an external button to de-energize the circuit.

Mini devices

Transorb, resistor and diode electrical protection devices easily install in common ATM fuse holders and blocks. These circuit protection devices provide voltage and current limiting functionality and are designed for the on- and off-highway requirements of trucks, RVs, construction, agriculture, ATV and material handling equipment.

- **Transorb** - Protects against voltage spikes.
Clamp rating: 27 Vdc
Power rating: 1500 W
- **Resistor** - Drops circuit voltage.
Power rating: 5 W
Resistance: 68 Ω
- **Diode** - Prevents reverse current flow.
Amp rating: 6 A



Trad'l pack*	Description
CB22901-1.5	Transorb voltage spike protector
CB22902-68	Resistor voltage drop device
CB22903-6	Diode reverse current protector
CB22903-6V	Diode reverse current protector with wing key

* 1 Circuit breaker per pack, 10 packs per shelf carton.

ATM footprint circuit breakers

Type I, Type II and Type III circuit breakers match the ATM fuse footprint. Ultra-thin, to fit in tight spaces, they're the smallest automotive circuit breakers on the market and comply with SAE standard J553.

CB211 Type I ATM circuit breaker



Amps	Trad'l pack*	Retail pack**
7-1/2	CB211-7-1/2	—
10	CB211-10	BP/CB211-10-RP
15	CB211-15	BP/CB211-15-RP
20	CB211-20	BP/CB211-20-RP
25	CB211-25	BP/CB211-25-RP
30	CB211-30	BP/CB211-30-RP

* 1 Circuit breaker per pack, 10 packs per shelf carton.

** 1 Circuit breaker per pack, 5 packs per shelf carton.

CB212 Type II ATM circuit breaker



Amps	Trad'l pack*
10	CB212-10
15	CB212-15
20	CB212-20
25	CB212-25
30	CB212-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB233 Type III ATM circuit breaker



Color code	Amps	Trad'l pack*
Tan	5	CB233-05
Brown	7-1/2	CB233-7-1/2
Red	10	CB233-10
Blue	15	CB233-15
Yellow	20	CB233-20
White	25	CB233-25
Green	30	CB233-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB222OS Type II ATM circuit breaker with offset terminals



Amps	Trad'l pack*
05	CB222OS-05
10	CB222OS-10
15	CB222OS-15
20	CB222OS-20
25	CB222OS-25
30	CB222OS-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

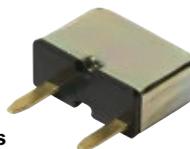
CB223OS Type III ATM circuit breaker with offset terminals



Amps	Trad'l pack*
05	CB223OS-05
7-1/2	CB223OS-7-1/2
10	CB223OS-10
15	CB223OS-15
20	CB223OS-20
25	CB223OS-25
30	CB223OS-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

MMB Type I, wide ATM footprint circuit breaker for GM vehicles



Amps	Trad'l pack*	OEM part no.
15	MMB-15	12135171
20	MMB-20	12135072

* 1 Circuit breaker per pack, 10 packs per shelf carton.

ATC footprint circuit breakers

Type I, Type II and Type III circuit breakers match the ATC fuse footprint. They are the thinnest available in the aftermarket and comply with SAE standard J553.

CB227 complies with SAE J553 and SAE J1171 for ignition protection. We also offer the Bussmann series ACB-20, CCB-25, and FCB-20 breakers as replacements for specific OEM applications.

ACB-20

Type I ATC circuit breaker for GM vehicles



Amps	Trad'l pack*	OEM no.
20	ACB-20	12040816

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB221

Type I ATC circuit breakers



Amps	Trad'l pack*
7-1/2	CB221-7-1/2
10	CB221-10
15	CB221-15
20	CB221-20
25	CB221-25
30	CB221-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB222

Type II ATC circuit breakers



Amps	Trad'l pack*
10	CB222-10
15	CB222-15
20	CB222-20
25	CB222-25
30	CB222-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB223

Type III ATC circuit breakers



Amps	Trad'l pack*
7-1/2	CB223-7-1/2
10	CB223-10
15	CB223-15
20	CB223-20
25	CB223-25
30	CB223-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB227

Type III ATC low-profile circuit breakers



Color code	Amps	Trad'l pack*
Tan	5	CB227-05
Moss Green	6	CB227-06
Brown	7-1/2	CB227-7-1/2
Red	10	CB227-10
Blue	15	CB227-15
Yellow	20	CB227-20
White	25	CB227-25
Green	30	CB227-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CBB-30

Type II ATC circuit breaker



Amps	Trad'l pack*	Retail pack**
30	CBB-30	BP/CBB-30-RP

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CCB-25

Type I ATC circuit breaker for Chrysler vehicles



Amps	Trad'l pack*	OEM no.
CCB-25	CCB-25	4527053

* 1 Circuit breaker per pack, 10 packs per shelf carton.

FCB-20

Type II ATC circuit breaker for Ford vehicles



Amps	Trad'l pack*	Retail pack	OEM no.
20	FCB-20	BP/FCB-20	D9AB-14526-BA

* 1 Fuse per pack, 10 packs per shelf carton.
** 1 Fuse per pack, 5 packs per shelf carton.

UCB

Type I ATC circuit breakers

UCB breakers feature "snap-off" universal blades to fit tight fuse block spacing or recessed fuse terminals.



Color code	Amps	Trad'l pack*	Retail pack**	Bulk pack***
Plain	6	UCB-6	—	—
Brown	8	UCB-8	—	—
Red	10	UCB-10	BP/UCB-10-RP	BK/UCB-10
Blue	15	UCB-15	BP/UCB-15-RP	BK/UCB-15
Yellow	20	UCB-20	BP/UCB-20-RP	BK/UCB-20
Plain	25	UCB-25	BP/UCB-25-RP	—
Green	30	UCB-30	BP/UCB-30-RP	BK/UCB-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.
** 1 Circuit breaker per pack, 5 packs per shelf carton.
*** 100 Circuit breakers per pack.

MAXI footprint circuit breakers

Bussmann series MAXI circuit breakers are the first breakers on the market to match the MAXI fuse footprint and body dimensions.

CB1911

Type I MAXI circuit breakers



Amps	Traditional pack*
10	CB1911-10
15	CB1911-15
20	CB1911-20
25	CB1911-25
30	CB1911-30
35	CB1911-35
40	CB1911-40
50	CB1911-50

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB1921

Type II MAXI circuit breakers



Amps	Traditional pack*
10	CB1921-10
15	CB1921-15
20	CB1921-20
25	CB1921-25
30	CB1921-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

Glass tube footprint breakers

CBF

Type II circuit breakers for glass tube fuse blocks

CBF circuit breakers can be used to replace glass fuses in blocks for 1/4" x 1-1/4" fuses.



Amps	Trad'l pack*	Retail pack**
10	CBF-10	—
15	CBF-15	—
20	CBF-20	BP/CBF-20-RP
25	CBF-25	—
30	CBF-30	BP/CBF-30-RP
35	CBF-35	—
40	CBF-40	—

* 1 Circuit breaker per pack, 10 packs per shelf carton.

** 1 Circuit breaker per pack, 5 packs per shelf carton.

Heavy-duty circuit breakers

Ideal for many heavy-duty and truck applications, Bussmann series stud-terminal and quick-connect circuit breakers are available with and without a mounting bracket and comply with SAE standard J553.

CB123-B

Type III 10-32 stud-terminal circuit breakers with crosswise bracket



Amps	Traditional pack*
10	CB123-10B
15	CB123-15B
20	CB123-20B
30	CB123-30B
40	CB123-40B
50	CB123-50B

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CB123-HB

Type III 10-32 stud-terminal circuit breakers with lengthwise bracket



Amps	Traditional pack*
10	CB123-10HB
15	CB123-15HB
20	CB123-20HB
30	CB123-30HB
40	CB123-40HB
50	CB123-50HB

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CBC

Type I 10-32 stud-terminal circuit breakers



Amps	Traditional pack*
8	CBC-8
10	CBC-10
15	CBC-15
20	CBC-20
25	CBC-25
30	CBC-30
35	CBC-35
40	CBC-40
50	CBC-50

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CBC-B

Type I 10-32 stud-terminal circuit breakers with crosswise bracket



Amps	Trad'l pack*	Retail pack**
8	CBC-8B	—
10	CBC-10B	—
15	CBC-15B	—
20	CBC-20B	BP/CBC-20B-RP
25	CBC-25B	—
30	CBC-30B	BP/CBC-30B-RP
35	CBC-35B	—
40	CBC-40B	BP/CBC-40B-RP
50	CBC-50B	BP/CBC-50B-RP

* 1 Circuit breaker per pack, 10 packs per shelf carton.

** 1 Circuit breaker per pack, 5 packs per shelf carton.

CBC-BWP

Type I 10-32 stud-terminal weatherproof circuit breakers with crosswise bracket



Amps	Traditional pack*
20	CBC-20BWP
30	CBC-30BWP

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CBC-HB

Type I 10-32 stud-terminal circuit breakers with lengthwise bracket



Amps	Traditional pack*	Retail pack**
10	CBC-10HB	—
15	CBC-15HB	—
20	CBC-20HB	BP/CBC-20HB-RP
25	CBC-25HB	—
30	CBC-30HB	BP/CBC-30HB-RP
40	CBC-40HB	BP/CBC-40HB-RP
50	CBC-50HB	BP/CBC-50HB-RP

* 1 Circuit breaker per pack, 10 packs per shelf carton.

** 1 Circuit breaker per pack, 5 packs per shelf carton.

CBP-BA

Type I 10-32 stud-terminal circuit breakers with crosswise bracket



Amps	Traditional pack*	Retail pack**
20	CBP-20BA	—
25	CBP-25BA	—
30	CBP-30BA	BP/CBP-30BA-RP
40	CBP-40BA	—
50	CBP-50BA	BP/CBP-50BA-RP

* 1 Circuit breaker per pack, 10 packs per shelf carton.

** 1 Circuit breaker per pack, 5 packs per shelf carton.

Splash proof covers

Catalog no.	Description	Pack qty.	Shelf qty.	Master qty.
CB-CVR	Cover for stud terminal circuit breaker	1	10	300
BK/CB-CVR	Cover for stud terminal circuit breaker-BULK	—	100	2000
BP/CB20HB-CVR*	CB123-20HB with cover-retail pack	1	5	120
BP/CB40HB-CVR*	CB123-40HB with cover-retail pack	1	5	120

* Packed with CB123-20HB and CB123-40HB.



Quick-connect circuit breakers

For use in trucks, RVs, boats, buses, etc. featuring 1/4" quick-connect terminals for easy installation.

CB174

Type III panel-mount circuit breakers with 1/4" quick-connect terminals



Amps	Traditional pack*
10	CB174-10
15	CB174-15
20	CB174-20
30	CB174-30

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CBT-M

Type II circuit breakers for Mack® trucks with 1/4" blades on 1" centers



Amps	Traditional pack*
15	CBT-15M
20	CBT-20M
25	CBT-25M
30	CBT-30M

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CBT-N

Type II circuit breakers for Navistar® trucks with 1/4" blades on 1.08" centers



Amps	Traditional pack*
20	CBT-20N
25	CBT-25N
30	CBT-30N

* 1 Circuit breaker per pack, 10 packs per shelf carton.

CBU

Type I circuit breaker with 1/4" quick-connect terminals on 0.99" centers with crosswise bracket



Amps	Traditional pack*
30	CBU-30B

* 1 Circuit breaker per pack, 10 packs per shelf carton.

High amp circuit breakers

High amp circuit breakers are typically used in auxiliary and accessory circuits for trucks, buses, RVs and marine applications.

CB181F

Type I waterproof, flush-mount circuit breakers with SEMS nuts installed, 30 Vdc



Amps	Catalog no.*
60	CB181F-60
70	CB181F-70
80	CB181F-80
90	CB181F-90
100	CB181F-100
110	CB181F-110
120	CB181F-120
135	CB181F-135
150	CB181F-150

* 1 Circuit breaker per box, 20 boxes per master carton.

CB184F

Type III waterproof, flush-mount, manual reset circuit breakers with SEMS nuts installed, 48 Vdc



Amps	Catalog no.*
25	CB184F-25
30	CB184F-30
35	CB184F-35
40	CB184F-40
50	CB184F-50
60	CB184F-60
70	CB184F-70
80	CB184F-80
90	CB184F-90
100	CB184F-100
110	CB184F-110
120	CB184F-120
135	CB184F-135
150	CB184F-150

* 1 Circuit breaker per box, 20 boxes per master carton.

CB185

Type III switchable, waterproof, flush-mount manual reset circuit breakers with 1/4-28 threaded stud terminals with SEMS nuts installed, and black reset lever, 48 Vdc



Amps	Catalog no.*	Retail pack**
25	CB185-25	—
30	CB185-30	—
35	CB185-35	—
40	CB185-40	—
50	CB185-50	BP/CB185-50
60	CB185-60	—
70	CB185-70	BP/CB185-70
80	CB185-80	BP/CB185-80
90	CB185-90	—
100	CB185-100	BP/CB185-100
110	CB185-110	—
120	CB185-120	BP/CB185-120
135	CB185-135	BP/CB185-135
150	CB185-150	BP/CB185-150

* 1 Circuit breaker per box, 20 boxes per master carton.

** 1 Circuit breaker per pack, 4 packs per shelf carton.

All high amp circuit breakers comply with the SAE J1171 standard for ignition protection and have applications in battery charging systems that use battery isolators to manage and protect batteries in multi-battery installations. Offered in flush-mount or panel-mount.

CB185P

Type III switchable, panel-mount, manual reset circuit breakers with SEMS nuts installed, 48 Vdc



Amps	Catalog no.*
25	CB185P-25
30	CB185P-30
35	CB185P-35
40	CB185P-40
50	CB185P-50
60	CB185P-60
70	CB185P-70
80	CB185P-80
90	CB185P-90
100	CB185P-100
110	CB185P-110
120	CB185P-120
135	CB185P-135
150	CB185P-150

* 1 Circuit breaker per box, 20 boxes per master carton.

CB285F

Type III switchable, waterproof, flush-mount manual reset circuit breakers with M6 threaded stud terminals with stainless steel nuts and washers installed, and yellow reset lever, 42 Vdc



Amps	Catalog no.*
30	CB285F-30
40	CB285F-40
50	CB285F-50
60	CB285F-60
70	CB285F-70
80	CB285F-80
90	CB285F-90
100	CB285F-100
120	CB285F-120
150	CB285F-150

* 1 Circuit breaker per box, 20 boxes per master carton.

Stock OEM fuses for Nissan, Infiniti, Toyota and Lexus vehicles

New Bussmann™ series multi-pole fuses (MPF)



See page 9.

See page 31 for marine-rated circuit breakers.

Junction blocks

JB3816-2 Non-feed through stud-type junction block 3/8-16 thread/stud size, 250 amps max.

NOTE: Voltage rating dependent upon installation.



BP/JB3816-2

Poles	Trad'l pack*	Retail pack**	Description/color	Stud thread
1	JB3816-2	BP/JB3816-2	Stud junction block - black	3/8-16
1	JB3816-3	—	Stud junction block - red	3/8-16

* 1 Junction block per pack, 50 per master pack.
** 1 Junction block per pack, 5 packs per shelf carton.

Bussmann series double row barrier terminal blocks

TB200 and TB300 double row barrier terminal blocks are nickel-plated brass with black thermoplastic construction.

Poles	Trad'l pack*	Retail pack**	Terminal screw	Volts/amps
4	TB200-04B	BP/TB200-04-RP	6-32	300 V/20 A
6	TB200-06B	—	6-32	300 V/20 A
8	TB200-08B	—	6-32	300 V/20 A
10	TB200-10B	—	6-32	300 V/20 A
15	TB200-15B	—	6-32	300 V/20 A
4	TB300-04B	—	8-32	600 V/30 A
6	TB300-06B	—	8-32	600 V/30 A
8	TB300-08B	—	8-32	600 V/30 A
10	TB300-10B	—	8-32	600 V/30 A
12	TB300-12B	—	8-32	600 V/30 A
20	TB300-20B	—	8-32	600 V/30 A

* 1 Junction block per pack, 50 per master pack.
** 1 Junction block per pack, 5 packs per shelf carton.

TB200_B



TB300_B



OEM parts now available to aftermarket

Bussmann™ series battery terminal fuses (BTF)



See page 11.

Stud junction terminal strips

BP/C5237 Stud junction blocks are designed for trucks, RVs and wiring accessories. Available in 3, 6 and 8 terminal configurations, they are rated for applications to 30 A, 300 V (UL)/ 600 V (CSA).

Poles	Retail pack*	Stud	Volts/amps
3	BP/C5237-3BC	10-32	300 V/30 A
6	BP/C5237-6BC	10-32	300 V/30 A
8	BP/C5237-8BC	10-32	300 V/30 A

* 1 Terminal strip per pack, 5 packs per shelf carton.



C5237-3BC



C5237-6BC



C5237-8BC

Coming 2017

More OEM products for the automotive aftermarket

Bussmann series multi slow-blow (MSB) fuses

Meeting complex automotive circuit needs in Honda and Ford vehicles.



Toggle and rocker switches

We offer a line of Bussmann series single pole toggle switches, rocker switches and duck-bill toggle switches, in a variety of styles, colors and finishes for replacement applications or custom installations.

Toggle switches with quick connect terminals

Color	Retail pack*	Function	Rating	Feature
Black	BP/SDN	ON/OFF	12 V/20 A	—
Black	BP/STF	ON/OFF/ON	12 V/20 A	—
Chrome	BP/STT	ON/OFF	12 V/20 A	Red LED

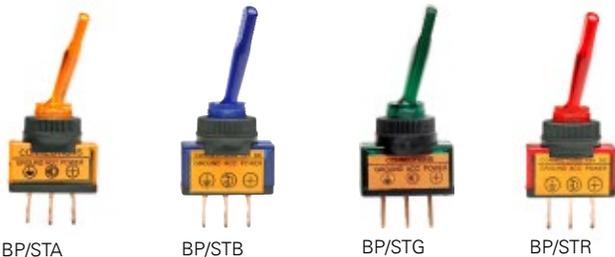
*1 Switch per pack, 5 packs per shelf carton.



Illuminated toggle switches with quick connect terminals

Color	Retail pack*	Function	Rating	Feature
Amber	BP/STA	ON/OFF	12 V/20 A	—
Blue	BP/STB	ON/OFF	12 V/20 A	—
Green	BP/STG	ON/OFF	12 V/20 A	—
Red	BP/STR	ON/OFF	12 V/20 A	—

*1 Switch per pack, 5 packs per shelf carton.



Duckbill toggle switches with quick connect terminals

Color	Retail pack*	Function	Rating	Feature
Amber	BP/SDA	ON/OFF	12 V/20 A	Illuminated
Chrome	BP/STC	ON/OFF	12 V/20 A	—

*1 Switch per pack, 5 packs per shelf carton.



Metal housing toggle switches with screw terminals

Color	Retail pack*	Function	Rating	Feature
Chrome	BP/STE	ON/OFF	12 V/15 A	—
Chrome	BP/STJ	ON/OFF	12 V/25 A	—
Chrome	BP/STK	ON/OFF/ON	12 V/15 A	—

*1 Switch per pack, 5 packs per shelf carton.



Rocker switches with quick connect terminals

Color	Retail pack*	Function	Rating	Feature
Amber	BP/SRA	ON/OFF	12 V/16 A	Illuminated
Blue	BP/SRB	ON/OFF	12 V/16 A	Illuminated
Green	BP/SRG	ON/OFF	12 V/16 A	Illuminated
Black	BP/SRN	ON/OFF	12 V/16 A	—
Red	BP/SRR	ON/OFF	12 V/16 A	Illuminated

*1 Switch per pack, 5 packs per shelf carton.



Battery disconnect switches

BMS-1

Top post anti-theft battery switch. Complete with HHM fuse holder, ATM-20 fuse, ring terminals and stainless steel bolt and wing nut.



BMS-2

Side post anti-theft battery switch for GM vehicles. Complete with HHM fuse holder, ATM-20 fuse and ring terminals.

15968-1

Heavy-duty switch is designed to open the circuit between the battery and load of a battery powered system - typically in large truck applications. Rated at 50 Vac/dc maximum, 400 A continuous, it can withstand cranking or surge currents up to 2000 A for 5 seconds maximum.



Catalog no.	Description
BP/BMS-1*	Top post anti-theft master switch with HHM fuse holder, ATM-20 fuse, ring terminals and stainless steel bolt and wing nut
BP/BMS-2*	Side post anti-theft master switch with HHM fuse holder, ATM-20 fuse and ring terminals
15968-1**	Heavy-duty disconnect; 50 Vac/dc, 400 A maximum

* 1 Battery switch per pack, 5 packs per shelf carton.

** Non-stock part

We offer a complete line of Bussmann series flashers that meet SAE standards for a variety of vehicles. To select the proper replacement flasher, match these three specifications:

- **Specific versus variable load.** Specific load flashers flash only a certain number of lamps. Variable load flashers handle a range of amps, such as when pulling a trailer.
- **Lamp capacity.** Designates the total number of lamps in the circuit for the left or right directional signal.
- **Number of terminals.** Select the number of blades to match the socket in the panel.

Thermal flashers



NO.535 NO.550 NO.552 NO.575 NO.577
Extra Loud

Heavy-duty electronic flashers



NO.243 NO.244 NO.246 NO.726 NO.727 NO.756, 757, 758, 759, 760



NO.761 NO.762 NO.763 and 764 NO.850 NO.852

Super heavy-duty electronic flashers



NO.232 NO.233 NO.234

LED flashers



NO-727-LED NO-750-LED NO-758-LED



NO-760-LED NO-762-LED

Thermal and electronic 12 and 24 Vdc flashers

Trad'l pack*	Retail pack**	Flasher type	No. of terminals	Volts	Amps	Number of bulbs
NO.535	—	Thermal	3	6	5.2	2-6
NO.550	BP/550-RP	Thermal	3	12	12.8	2-6
NO.552	BP/552-RP	Thermal	2	12	12.8	2-6
NO.575	BP/575-RP	Thermal	2	12	12.8	1-8
NO.577	BP/577-RP	Therm./ex. loud	2	12	14	2-6
NO.243	—	H-D electronic	2	12	25	12
NO.244	—	H-D electronic	3	12	25	12
NO.246	—	H-D electronic	3	12	25	Alternating
NO.726	BP/726-RP	H-D electronic	4	12	12.6	2-4
NO.727	BP/727-RP	H-D electronic	5	12	12.6	2-4
NO.756	BP/756-RP	H-D electronic	3	12	12.6	2-6
NO.757	BP/757-RP	H-D electronic	3	12	12.6	2-6
NO.758	BP/758-RP	H-D electronic	3	12	12.6	2-6
NO.759	BP/759-RP	H-D electronic	3	12	12.6	3-6
NO.760	BP/760-RP	H-D electronic	3	12	12.6	2-6
NO.761	BP/761-RP	H-D electronic	3	12	12.6	2-6
NO.762	BP/762-RP	H-D electronic	4	12	12.6	3-6
NO.763	—	H-D electronic	2	12	12	16
NO.764	—	H-D electronic	2	12	12	20
NO.850	—	H-D electronic	3	12	25	10HZ/5TS
NO.852	—	H-D electronic	2	12	35	16HZ/8TS
NO.232	BP/232-RP	S-D electronic	2	12	20	1-10
NO.233	BP/233-RP	S-D electronic	3	12	20	1-10
NO.234	BP/234-RP	S-D electronic	3	24	20	1-10

* 1 Flasher per pack, 10 packs per shelf carton.
** 1 Flasher per pack, 5 packs per shelf carton.

LED flashers

Trad'l pack*	No. of terminals	Volts	Amps	Number of LED lamps
NO-727-LED	5	12.8	12.6	2-6
NO-758-LED	3	12.8	12.6	2-6
NO-759-LED	3	12.8	12.6	3-6
NO-760-LED	3	12.8	12.6	2-4
NO-762-LED	3	12.8	12.6	2-6

* 1 Flasher per pack, 10 packs per shelf carton.

Lighting control modules (LCM)

Trad'l pack*	No. of terminals	Volts	Amps	Rated load range	Rated voltage
NO-455	10	12.8	2.1	1 to 6 SAE #1156 lamps	11 to 15 Vdc
NO-468	9	12.8	2.1	1 to 6 SAE #1156 lamps	11 to 15 Vdc
NO-470	5	12.8	2.1	Fixed 2 for lamps 4 for hazards	11 to 15 Vdc
NO-487	8	12.8	2.1	1 to 6 SAE #1156 lamps	11 to 15 Vdc

* 1 LCM per pack, 10 packs per shelf carton.

Lighting control modules (LCM)



NO-455 NO-468



NO-470 NO-487

Automotive assortments, emergency and diagnostic kits

Covering in-demand applications, fuse offerings include traditional glass tube and German automotive fuses, a wide selection of micro fuses, ATM, low-profile ATM, ATC and MAX in indicating and non-indicating versions, and higher amp cartridge fuses.

Fuse assortments provide customers a handy selection of fuses and fuse ratings for general replacement applications.

Emergency kits provide a range of fuses and fuse ratings, plus a fuse puller to make quick, emergency replacements easier.

Diagnostic kits provide the advantage of a fuse tester/puller along with an assortment of fuses and fuse ratings. The tester permits users to quickly determine whether a fuse is good or not.

Bonus packs increase the "basket ring" on your fuse assortment sales with large-count fuse packages that are great for small shops, do-it-yourself mechanics - or for stocking commercial / service vehicles.

Glass tube fuse assortments and kits

AGA

BP/AGA-AH8-RP AGA high amp fuse assortment: 10 (2), 15 (2), 20 (2) and 30 (2) A
 BP/AGA-AL8-RP AGA low amp fuse assortment: 1, 2, 3 (2), 5 (2) and 7-1/2 (2) A

AGC

BP/AGC-A5-RP AGC fuse assortment: 10, 15, 20, 25 and 30 A
 BP/AGC-AH10-RP AGC high amp fuse assortment: 7-1/2, 10 (2), 15 (2), 20 (2), 25 and 30 (2) A
 BP/AGC-AL10-RP AGC low amp fuse assortment: 1 (2), 2 (2), 3 (2), 4, 5 (2) and 6 A
 AGC-EK AGC kit: (60 pieces/10 each) 5, 10, 15, 20, 25 and 30 A and FT-3 fuse tester/puller
 MA-5 AGC low amp marine assortment 1/2, 1, 1-1/2, 2, 3 A

AGW

BP/AGW-A8-RP AGW fuse assortment: 5, 7-1/2, 15 (2), 20 (2) and 30 (2) A

AGX

BP/AGX-A8-RP AGX fuse assortment: 5, 8, 20 (2), 25 (2) and 30 (2) A

SFE

BP/SFE-AH6-RP SFE high amp fuse assortment: 14 (2), 20 (2) and 30 (2) A
 BP/SFE-AL6-RP SFE low amp fuse assortment: 4, 6, 7-1/2 (2) and SFE-9 (2) A

Glass tube fuse assortments

BP/AGC-SFE-A5-RP AGC/SFE fuse assortment: AGC- 10, 15, 30 and SFE-14, 20 A

German automotive fuses

BP/GBC-A8-RP GBC German fuse assortment: 5, 8 (2), 15, 16 (2) and 25 (2) A

Automotive glass tube assortments



Example: BP/AGW-A8-RP

Automotive glass tube kit



Example: AGC-EK

Blade fuses

ATR

BP/ATR-A7-RPP ATR 2-leg micro fuse emergency kit: 5, 7-1/2, 10, 15, 20, 25 and 30 A and fuse puller

ATL

BP/ATL-A4-RPP ATL 3-leg micro fuse emergency kit: 5, 7-1/2, 10, 15 A and fuse puller

ATM

ATM-FP-AID *easyID* indicating ATM emergency kit: 10, 15, 20, 25 and 30 A and FP-A3 fuse puller
 BP/ATM-A5-RP ATM 5-count fuse assortment: 10, 15, 20, 25 and 30 A
 BP/ATM-A8-RP ATM 8-count fuse assortment: 2, 5, 7-1/2, 10, 15, 20, 25 and 30 A

BP/ATM-AH8-RPP ATM high amp fuse emergency kit: 10 (2), 15 (2), 20 (2), 25 and 30 A and FP-A3 fuse puller

BP/ATM-AL8-RP ATM low amp assortment: 2, 3 (2), 4, 5 (2) and 7-1/2 (2) A

DIA-2 ATM diagnostic kit: 2, 5, 7-1/2, 10, 15, 20, 25 and 30 A and FT-3 fuse tester/puller

NO.43 ATM kit: 7 each of 5, 10, 15, 20, 25 and 30 A and FT-3 fuse tester/puller. Fuses are loose-packed for easy access in reclosable heavy-duty clamshell package. *easyID* ATM fuse service kit: 6 each 5, 10, 15, 20, 25 and 30 A

BP/ATM-AID *easyID* ATM fuse assortment: 10, 15, 20, 25 and 30 A

Low-profile ATM

ATM-LP-EK Low-profile ATM fuse emergency kit: (7 each) 5, 10, 15, 20, 25 and 30 A and FT-3 fuse tester/puller

BP/ATM-A6LP-RP Low-profile ATM fuse assortment: 7-1/2, 10, 15, 20, 25 and 30 A

DIA-3 Low-profile ATM diagnostic kit: 2, 5, 7-1/2, 10, 15, 20, 25 and 30 A and FT-3 fuse tester/puller

ATC

ATC-FP-AID *easyID* indicating ATC emergency kit: 10, 15, 20, 25 and 30 A and FP-A3 fuse puller

BP/ATC-A5-RP ATC fuse assortment: 10, 15, 20, 25 and 30 A

BP/ATC-AH8-RPP ATC fuse emergency kit: 10, 15 (2), 20 (2), 25, 30 and 40 A and FP-A3 fuse puller

BP/ATC-AL8-RP ATC low amp fuse assortment: 1, 2, 3, 4, 5 (2) and 7-1/2 (2) A

DIA-1 ATC diagnostic kit: 5, 10, 15, 20, 25 and 30 A and FT-3 fuse tester/puller.

NO.44 ATC kit: 7 each of 5, 10, 15, 20, 25 and 30 A and FT-3 fuse tester/puller. Fuses are loose-packed for easy access in reclosable heavy-duty clamshell package.

NO.80 ATC bulk assortment: (80 pieces/10 each) 3, 5, 7-1/2, 10, 15, 20, 25 and 30 A. Fuses are loose-packed for easy access. Reclosable, heavy-duty clamshell package stores easily in tool boxes.

ATC-ID-SK *easyID* ATC fuse service kit: 7 each 5, 10, 15, 20, 25 and 30 A

BP/ATC-AID *easyID* ATC fuse assortment: 10, 15, 20, 25 and 30 A

Multi-fuse family emergency/bonus kits

ATM-FMX-EK ATM and FMX emergency kit: 5 each of ATM-10, 15, 20, 25 and 30 A, 1 each of FMX-20, 30, 40, and 50 A, and FT-3 fuse tester/puller.

NO.24 Emergency fuse safety kit: one each of ATM-10, 15, 20, 25, 30, ATM-10LP, 15LP, 20LP, 25LP, 30LP, ATC-3, 5, 7-1/2, 10, 15, 20, 25, 30, 40, MAX-30, 40, FMX-30, 40 and FT-3 fuse tester/puller.

NO.53 ATC and MAXI fuse kit: (45 pieces) ATC-10, 15, 20, and 30A; MAX-30, 40 and 50A and FT-3 fuse tester/puller.

NO.64 ATM and MAXI fuse kit: (64 pieces) ATM-2, 3, 4, 5, 7-1/2, 10, 15, 20 and 30 A; MAX 30, 40 and 50 A and FT-3 fuse tester/puller

VP-FMX-A5-RP FMX female MAXI fuse value pack assortment: (5 pieces) 20, 30, 40, 50 and 60 A

Multi-fuse bonus kits



Example: ATM-FMX-EK

Multi-fuse assortments



Example: BP/ATC-A5-RP

Multi-fuse emergency kits (includes a fuse puller)



Example: BP/ATC-AH8-RPP

Diagnostic kits



Example: DIA-1

easyID assortments



Examples: ATM-FP-AID and ATC-ID-SK