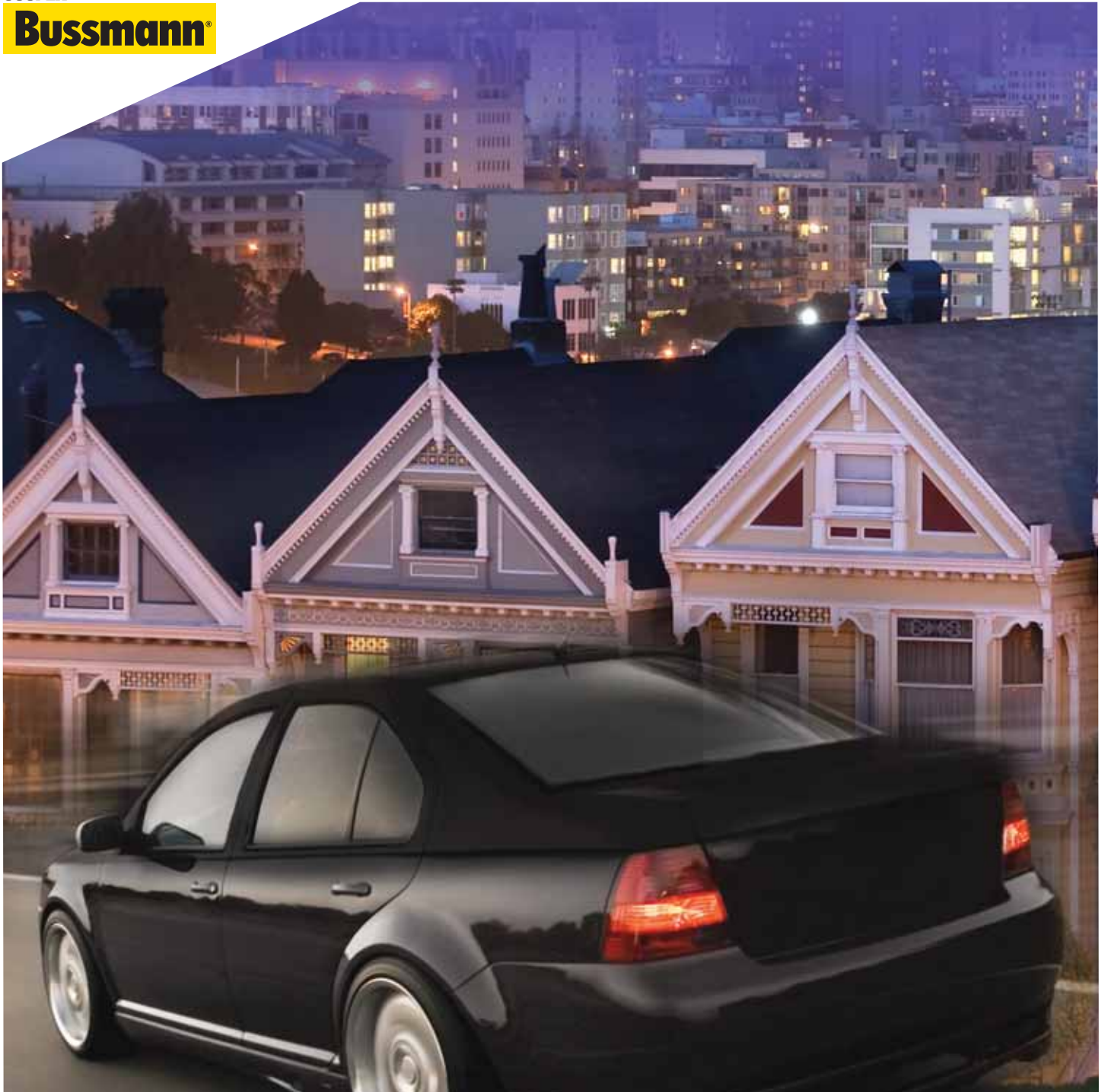


COOPER

**Bussmann®**



# Consumer Aftermarket Product Catalog

Fuse and Circuit Breaker Specifications

## Circuit Protection Specifications - Fuses

Type	Catalog Symbol	Class	Construction/Size	Volts	Amps	Interrupting Rating	Type	Typical Applications
Blade  *easyID™ illuminating version	ATM / ATM-_ID*	-	Miniature blade fuse	32Vdc	2-30A	1kA	Fast-Acting	Automotive circuits
	ATM_LP	-	Low-profile ATM fuse	32Vdc	5-30A	1kA	Fast-Acting	Automotive circuits
	ATC / ATC-_ID*	-	Blade fuse	32Vdc	1-40A	1kA	Fast-Acting	Automotive circuits
	MAX / MAX-_ID*	-	Heavy-duty blade fuse	32Vdc	20-80A	1kA	Fast-Acting	Automotive circuits
Glass Tube	ABC	-	$\frac{1}{4}$ " x $1\frac{1}{4}$ " Ceramic	250Vac	$\frac{1}{4}$ -1A	35A	Fast-Acting	Appliances and consumer electronics
				250Vac	$1\frac{1}{2}$ -3A	100A		
				250Vac	4-10A	200A		
				250Vac	12-15A	750A		
				125Vac	20A	400A		
	125Vac	25-30A	1kA					
	AGA	-	$\frac{1}{4}$ " x $\frac{5}{8}$ "	125Vac 125Vac 32Vac	1-1 $\frac{1}{2}$ A 2-5A 6-30A	10kA 200A 1kA	Fast-Acting	Automotive circuits
	AGC	-	$\frac{1}{4}$ " x $1\frac{1}{4}$ "	250Vac	$\frac{1}{20}$ -1A	35A	Fast-Acting	Appliances and consumer electronics
				250Vac	$1\frac{1}{4}$ -3A	100A		
				250Vac	4-10A	200A		
				32Vac	12-30A	1kA		
	32Vac	35A	70A					
	32Vac	40A	80A					
	AGU AGU-(amp)GP	Midget	Glass tube ferrule $\frac{3}{32}$ " x $1\frac{1}{2}$ "	250Vac 32Vac	1-3A 4-60A	10kA 10kA	Fast-Acting	Appliances and consumer electronics
	AGW	-	$\frac{1}{4}$ " x $\frac{7}{8}$ "	32Vac	1-30A	-	Fast-Acting	Automotive circuits
	AGX	-	$\frac{1}{4}$ " x 1"	250Vac	$\frac{1}{500}$ - $\frac{1}{2}$ A	35A	Fast-Acting	Automotive circuits
				250Vac	$\frac{3}{4}$ -2A	100A		
				125Vac	2 $\frac{1}{2}$ -5A	10kA		
				125Vac	6-7A	1kA		
	32Vac	8-30A	1kA					
GBB	-	$\frac{1}{4}$ " x $1\frac{1}{4}$ " Ceramic	250Vac 125Vac	1-30A 1-15A	200A 10kA	Fast-Acting	Appliances and consumer electronics	
GBC	-	$\frac{1}{4}$ " x $3\frac{1}{32}$ "	32V	5-25A	-	Fast-Acting	German automobiles	
GDA	-	5 x 20mm Ceramic	250Vac	50mA-6.3A	1.5kA	Fast-Acting	Electronic Circuits	
GDB	-	5 x 20mm	250Vac	32mA-16A	35A	Fast-Acting	Electronic Circuits	
GDC	-	5 x 20mm	250Vac	32mA-6.3A	35A	Time-Delay	Electronic Circuits	
GMA	-	5 x 20mm	250Vac	32mA-1A	35A	Fast-Acting	Appliances and consumer electronics	
			250Vac	1.2-3A	100A			
			125Vac	3.15-6A	1kA			
			125Vac	7-10A	200A			
125Vac	15A	150A						
GMC	-	5 x 20mm	250Vac	63mA-1A	35A	Time-Delay	Appliances and consumer electronics	
			250Vac	1.25-3.15A	100A			
			125Vac	3.5-6.3A	10kA			
			125Vac	7-10A	200A			
GMD	-	5 x 20mm	250Vac 250Vac	125mA-3A 4A	100A 200A	Time-Delay	Electronic Circuits	
MDA	-	$\frac{1}{4}$ " x $1\frac{1}{4}$ " Ceramic	250Vac	$\frac{1}{4}$ -1A	35A	Time-Delay	Appliances and consumer electronics	
			250Vac	$1\frac{1}{2}$ -2A	100A			
			250Vac	2 $\frac{1}{2}$ -10A	200A			
			250Vac	12-15A	750A			
125Vac	20-30A	1.5kA						
MDL	-	$\frac{1}{4}$ " x $1\frac{1}{4}$ "	250Vac	$\frac{1}{16}$ -1A	35A	Time-Delay	Appliances and consumer electronics	
			250Vac	$1\frac{1}{4}$ -3A	100A			
			250Vac	4-8A	200A			
			32Vac	9-30A	1kA			
MDQ	-	$\frac{1}{4}$ " x $1\frac{1}{4}$ "	250Vac	$\frac{1}{16}$ -1A	35A	Time-Delay	Electronic Relay and Controls	
			250Vac	$1\frac{1}{4}$ -3A	100A			
			250Vac	4-7A	200A			
			32Vac	8-30A	1kA			
SFE	-	$\frac{1}{4}$ " x various length	32V	4-30A	-	Fast-Acting	Size-Rejecting for automotive circuits	

## Circuit Protection Specifications - Fuses

Type	Catalog Symbol	Class	Construction/Size	Volts	Amps	Interrupting Rating	Type	Typical Applications	
Heavy-Duty	AMG	-	Bolt-in fuse	32Vdc	100-300A	1kA		Automotive circuits, uses HMEG fuse block	
	AMI	-	Bolt-in fuse	32Vdc	50-100A	2kA		Automotive circuits, uses HMID fuse block	
	CBBF	-	Bolt-in	58Vdc	30-300A	2kA	-	Heavy-Duty and Marine	
	*easyID™ illuminating version								
	FMX, FMX_ID* Female Maxi	-	6mm blade on 5.5mm centers	32Vdc	20-60A	1kA	Time-Delay	Automotive circuits	
	FMX_LP Low-Profile FMX Fuse	-	Low-profile, 6mm blade on 5.5mm centers	58Vdc	20-60A	1kA @ 32Vdc	Time-Delay	Automotive circuits	
Current Limiters	ANN	-	Bolt-in fuse 2.44mm blade centers	125Vac/ 80Vdc	10 to 800A	2.5kA - ac 2.7kA - dc	Very Fast-Acting	Automotive circuits, fork lift trucks, marine, aviation	
	ANL	-	Bolt-in fuse 2.44mm blade centers	32Vac/ 80Vdc	35 to 750A	6kA - ac 2.7kA - dc	Non Time-Delay	Automotive circuits, fork lift trucks, marine, aviation	
Fusible Links	FLB	-	Bolt-mount	32Vdc	30-140A	10kA	-	Automotive circuits	
	FLD	-	Bolt-mount	32Vdc	30-104A	10kA	-		
	FLF	-	Female terminals	32Vdc	20-60A	10kA	-		
	FLM	-	Male terminals	32Vdc	30-120A	10kA	-		
	FLN	-	Fem. terms. w/ lock tab	32Vdc	25-30A	10kA	-		
	FLS	-	Fem. mini terminals	32Vdc	30-40A	10kA	-		
Plug	TL	-	Edison Thread Base	125Vac	15-30A	10kA	Time-Delay	Panels, small motors and inductive loads	
	T	-	Edison Thread Base	125Vac	<sup>3</sup> / <sub>10</sub> -30A	10kA	Heavy-Duty Time-Delay	Panels, small motors and inductive loads	
	TC	CSA Type D	Edison Thread Base	125Vac	15-30A	-	Dual-Element Time-Delay	Canadian applications: Panels, small motors and inductive loads	
	P	CSA Type P	Edison Thread Base	125Vac	15-30A	-	General Purpose	Canadian applications: Panels, small motors and inductive loads	
	SL	-	Rejection Thread Base	125Vac	15-30A	10kA	Time-Delay	Panels, small motors and inductive loads	
	S	-	Rejection Thread Base	125Vac	<sup>1</sup> / <sub>4</sub> -30A	10kA	Heavy-Duty Time-Delay	Panels, small motors and inductive loads	
Cartridge	NON	K5 & H	Ferrule Style	250Vac	<sup>1</sup> / <sub>6</sub> -60A	50kA	General Purpose	Light duty circuits	
			Blade Style	250Vac	65-600A	10kA			
	PON	CSA Type P	Ferrule Style	250Vac	1-60A	10kA	General Purpose	Canadian applications: Light duty circuits	
			Blade Style	250Vac	70-600A	10kA			
	CDN	CSA Type D	Ferrule Style	250Vac	1-60A	10kA	Gen. Purpose Time-Delay	Canadian applications: Light duty circuits	
			Blade Style	250Vac	70-600A	10kA			
	NOS	K5 & H	Ferrule Style	600Vac	1-60A	50kA	General Purpose	Light duty circuits	
			Blade Style	600Vac	70-600A	10kA			
	**easyID™ indicating version	FRN-R FRN-R_ID**	RK5	Ferrule Style	250Vac	<sup>1</sup> / <sub>10</sub> -60A	200kA	Time-Delay	Panelboards, motor control centers, machinery disconnects and combination starters
				Blade Style	250Vac	70-600A	200kA		
	FRS-R	RK5	Ferrule Style	600Vac	<sup>1</sup> / <sub>10</sub> -60A	200kA	Time-Delay	Panelboards, motor control centers, machinery disconnects and combination starters	
			Blade Style	600Vac	65-600A	200kA			
SC	G	<sup>13</sup> / <sub>32</sub> " x <sup>1</sup> / <sub>16</sub> " Ferrule	600Vac	1-6A	100kA	Fast-Acting	Fusible branch panelboards, HVAC		
		<sup>13</sup> / <sub>32</sub> " x <sup>1</sup> / <sub>16</sub> " Ferrule	600Vac	7-15A	100kA	Time-Delay			
		<sup>13</sup> / <sub>32</sub> " x <sup>1</sup> / <sub>32</sub> " Ferrule	600Vac	20A	100kA				
		<sup>13</sup> / <sub>32</sub> " x <sup>1</sup> / <sub>8</sub> " Ferrule	480Vac	25-30A	100kA				
		<sup>13</sup> / <sub>32</sub> " x <sup>2</sup> / <sub>4</sub> " Ferrule	480Vac	35-60A	100kA				
BAF	Midget	<sup>13</sup> / <sub>32</sub> " x <sup>1</sup> / <sub>2</sub> " Ferrule	250Vac	<sup>2</sup> / <sub>10</sub> -1A	35A	Fast-Acting	125 and 250Vac non-inductive load circuits		
			250Vac	1 <sup>1</sup> / <sub>2</sub> -2 <sup>1</sup> / <sub>2</sub> A	100A				
			250Vac	3-9A	200A				
			250Vac	10-15A	750A				
			125Vac	20-30A	10kA				

## Circuit Protection Specifications - Fuses

Type	Catalog Symbol	Class	Construction/Size	Volts	Amps	Interrupting Rating	Type	Typical Applications
Cartridge	FNM	Midget	<sup>13</sup> / <sub>32</sub> " x 1 1/2" Ferrule	250Vac	1/10-1A	35A	Time-Delay	General purpose & lighting circuits
				250Vac	1 1/8-3 1/2A	100A		
				250Vac	4-10A	200A		
				125Vac	12-30A	10kA		
	FNQ	Midget	<sup>13</sup> / <sub>32</sub> " x 1 1/2" Ferrule	500Vac	1/10-30A	10kA	Time-Delay	480V Control transformer circuits, lighting circuits
FNQ-R	CC	<sup>13</sup> / <sub>32</sub> " x 1 1/2" Ferrule	600Vac	1/4-30A	200kA	Time-Delay	Industrial and transformer control and specialized circuits	
KTK	Midget	<sup>13</sup> / <sub>32</sub> " x 1 1/2" Ferrule	600Vac	1/10-30A	100kA	Fast-Acting	Control and meter circuits	
KTK-R	CC	<sup>13</sup> / <sub>32</sub> " x 1 1/2" Ferrule	600Vac	1/10-30A	200kA	Fast-Acting	Industrial control circuits	

## Circuit Protection Specifications - Circuit Breakers

Size/Type/ Footprint	Catalog Symbol	SAE Type	Construction/Size	Volts	Amps	Interrupting Rating	Reset Type	Typical Applications
ATM	CB211	I	ATM Footprint	14Vdc	7.5-30A	150A	Automatic	Automotive/RV
	CB212	II	ATM Footprint	14Vdc	10-30A	150A	Modified	Automotive/RV
	MMB	I	ATM Footprint	12Vdc	15-20A	300A	Automatic	Automotive/RV
ATC	ACB	I	ATC Footprint				Automatic	Automotive/RV
	CB221	I	ATC Footprint	14Vdc	7.5-30A	150A	Automatic	Automotive/RV
	CB222	II	ATC Footprint	12Vdc	10-30A	150A	Modified	Automotive/RV
	CB223	III	ATC Footprint	28Vdc	7.5-30A	150A	Manual	Automotive/RV
	CB227	III	ATC Footprint	28Vdc	5-30A	2kA	Manual	Automotive/RV
	CCB-25	I	ATC Footprint	-	25A	-	Automatic	Automotive/RV
	CBB-30	II	ATC Footprint	24Vdc	30A	-	Modified	Automotive/RV
	FCB-20	II	ATC Footprint	14.5Vdc	20A	-	Modified	Automotive/RV
	UCB	I	ATC Footprint	12Vdc	6-30A	-	Automatic	Automotive/RV
Maxi	CB1911	I	MAX Footprint	14Vdc	10-50A	150A*	Automatic	Automotive/RV/Marine
	CB1921	II	MAX Footprint	12Vdc	10-30A	150A	Modified	Automotive/RV/Marine
Glass Tube	CBF	II	1/4" x 1 1/4"	-	6-40A		Modified	Automotive/RV/Marine
Stud Mount	CB123-(amp)B	III	10-32 Studs 0.69" Ctrs	28Vdc	10-50A	1.5kA**	Manual	RV/Truck/Marine
	CB123-(amp)HB	III	10-32 Studs 0.69" Ctrs	28Vdc	10-50A	1.5kA**	Manual	RV/Truck/Marine
	CBC	I	10-32 Studs 0.69" Ctrs	14Vdc	8-50A	1.5kA	Automatic	RV/Truck/Marine
	CBC-(amp)B	I	10-32 Studs 0.69" Ctrs	14Vdc	8-50A	1.5kA	Automatic	RV/Truck/Marine
	CBC-(amp)BWP	I	10-32 Studs 0.69" Ctrs	12Vdc	20-30A	1.5kA	Automatic	RV/Truck/Marine
	CBC-(amp)HB	I	10-32 Studs 0.69" Ctrs	14Vdc	10-50A	1.5kA	Automatic	RV/Truck/Marine
	CBP-(amp)BA	I	10-32 Studs 0.69" Ctrs	14Vdc	10-50A	1.5kA	Automatic	RV/Truck/Marine
	Panel Mount	CB174	III	1/4" QC Terminals	250Vac/32Vdc	8-30A	200A	Manual
CB174B		III	5-32 Screw Terminals.	250Vac/32Vdc	10-40A	200A	Manual	Automotive/Truck
Quick Connect	CBT-(amp)M	II	1/4" QC Terminals	-	10-30A	-	Modified	RV/Truck/Marine
	CBT-(amp)N	II	1/4" QC Terminals	-	10-30A	-	Modified	RV/Truck/Marine
	CBU-6	I	1/4" QC Terminals	-	6A	-	Automatic	RV/Truck/Marine
	CBU-30B	I	1/4" QC Terminals	-	30A	-	Automatic	RV/Truck/Marine
High Amp	CB181P	I	Weatherproof, Panel-Mt.	30Vdc	60-150A	3kA	Automatic	RV/Truck/Marine
	CB184F	III	Surface-Mt. 1/4-35 Stud	48Vdc	25-150A	3kA	Manual	RV/Truck/Marine
	CB185	III	Surface-Mt. 1/4-35 Stud	48Vdc	25-150A	3kA	Manual	RV/Truck/Marine
	CB185P	III	Panel-Mt. 1/4-35 Stud	48Vdc	25-150A	3kA	Manual	RV/Truck/Marine
	CB187F	III	Surface-Mt. 5/16-18 Stud	48Vdc	25-150A	5kA**	Manual	RV/Truck/Marine
	CB187P	III	Panel-Mt. 5/16-18 Stud	48Vdc	25-150A	5kA**	Manual	RV/Truck/Marine
	CB251	I	Weatherproof, Panel-Mt.	32Vdc	10-50A	2.5kA	Automatic	RV/Truck/Marine
	CB254	III	Weatherproof, Panel-Mt.	32Vdc	10-50A	2.5kA	Manual	RV/Truck/Marine
	CB255	III	Weatherproof, Panel-Mt.	32Vdc	10-50A	2.5kA	Manual	RV/Truck/Marine
	Plug Fuse	MB	-	Edison base plug thread	125Vac	15-20A	-	Manual

\* Changes with amp range. \*\* @ 12Vdc.