

# Edison Fuses – 5x20 mm Glass Fast-Acting GMA



## Features

- Compact dimensions, 0.197" x 0.788" (5mm x 20mm)
- Glass tube construction with nickel-plated brass end caps
- Fast-acting, low breaking capacity

## Applications

Supplemental protection for electronic applications

## GMA Specifications

Voltage Rating: GMA - See table below

Ampere Rating: 0.063 - 15 Amps

Interrupting Rating: See table below

## Agency Approvals

- Designed to UL/CSA 248-14
- UL Listed, Guide JDYX, File E19180 63 mA-6A
- UL Recognition, Guide JDYX2, File E19180, 7A-15A
- CSA Certified, Class 1422-01, File 053787,, 63 mA-6A

GMA Series 5x20mm Glass, Fast-acting Fuses										
Part Number	AMP Rating	Rated Voltage	AC Interrupting Rating*		Typical Pre-Arc $I^2t$ AC**	Voltage Drop $mv^{***}$	Pcs/Pkg	Package Weight (lb.)	Price	
			AC Max	250V						125V
<b>GMA-063</b>	0.063	250V	35A	10000A	0.00024	4700	5	0.1	<--->	
<b>GMA-1</b>	0.10				0.0001	4300			<--->	
<b>GMA-25</b>	0.25				0.018	2200			<--->	
<b>GMA-5</b>	0.5				0.15	230			<--->	
<b>GMA1</b>	1				0.48	300			<--->	
<b>GMA1-5</b>	1.5				1.6	270			<--->	
<b>GMA1-6</b>	1.6		100A	10000A	2.0	260			<--->	
<b>GMA2</b>	2				3.1	250			<--->	
<b>GMA2-5</b>	2.5				4.9	240			<--->	
<b>GMA3</b>	3		125V	—	200A	8.8			215	<--->
<b>GMA4</b>	4					19			205	<--->
<b>GMA5</b>	5					29			200	<--->
<b>GMA6</b>	6					45			180	<--->
<b>GMA7</b>	7					150			110	<--->
<b>GMA8</b>	8					280			110	<--->
<b>GMA10</b>	10	280				110	<--->			
<b>GMA15</b>	15	150A				950	100	<--->		

\*Note: Interrupting ratings for 63 mA - 6A were measured at 70% - 80% power factor on AC; interrupting ratings for 7A - 15A were measured at 100% power factor on AC.

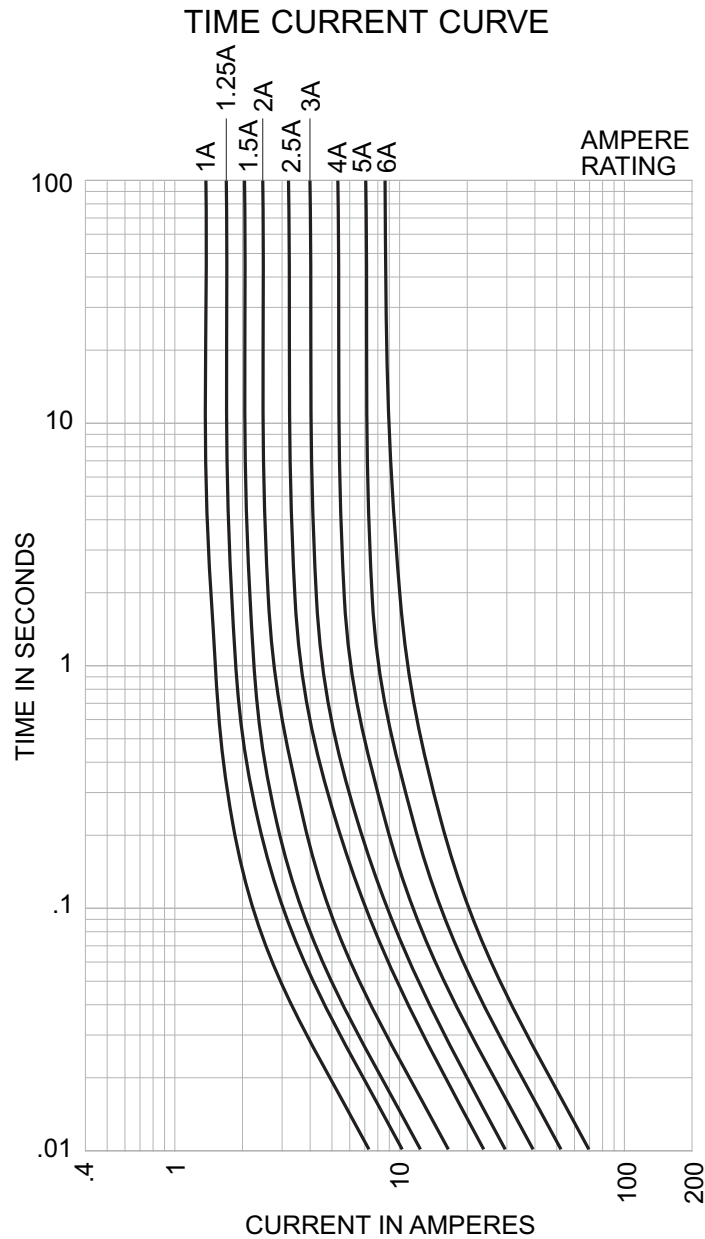
\*\* Typical pre-arcing  $I^2t$  ( $A^2Sec$ ) - measured at listed interrupting rating and rated voltage (at 70% to 80% power factor on AC)

\*\*\* Typical Voltage Drop - measured at 20°C ambient temperature at rated current.

**For mounting and wiring GMA fuses, see our DN-F10 Series fuse blocks in the Terminal Blocks and Wiring Solutions section.**

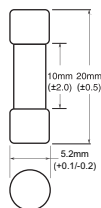
CROSS REFERENCE			
OLD EDISON	BUSSMANN	FERRAZ GOULD	LITTELFUSE
BMA	GMA	GGM	235

# Edison Fuses – 5x20 mm Glass Fast-Acting GMA



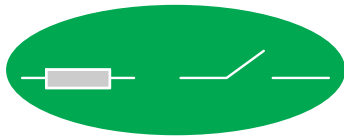
## Dimensions

(mm)

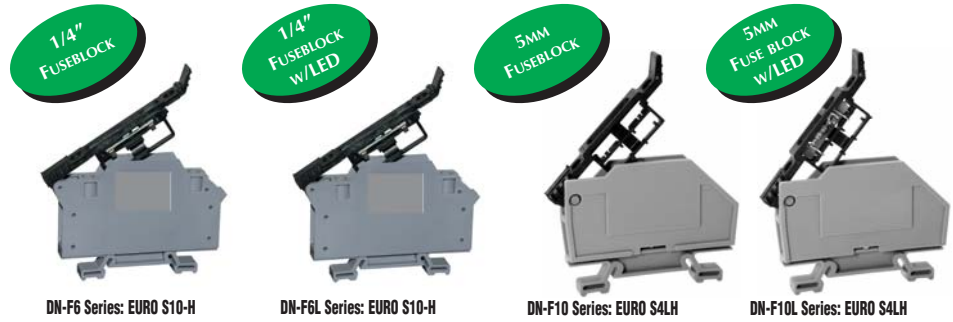


GMA Electrical Characteristics		
Rated Current	% of Amp Rating	Opening Time
63 mA to 10 Amps	100	None
	135	60 minutes maximum
	200	2 minutes maximum

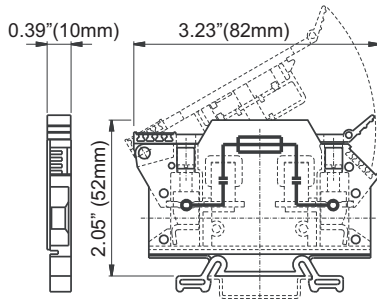
# Fuse Terminal Blocks



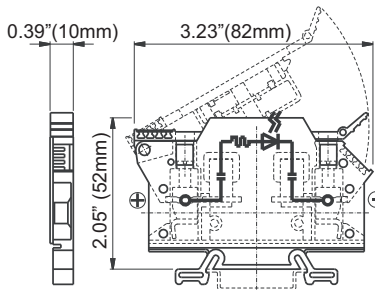
Fuse blocks are available for 1/4", 5 mm, Class CC and midget size fuses, either with or without a blown fuse LED. LED fuse blocks are polarity sensitive. The hinge side is positive.



## DN-F6



## DN-F6L



	Part #	Pcs/Pkg	Price/Pkg	Part #	Pcs/Pkg	Price/Pkg	Part #	Pcs/Pkg	Price/Pkg	Part #	Pcs/Pkg	Price/Pkg
<b>Gray Term Blk</b>	DN-F6	25	<--->	-	-	-	DN-F10	50	<--->	-	-	-
<b>12-24VAC/DC*</b>	-	-	-	DN-F6L24	10	<--->	-	-	-	DN-F10L24	10	<--->
<b>110VAC/DC*</b>	-	-	-	DN-F6L110	10	<--->	-	-	-	DN-F10L110	10	<--->
<b>220VAC/DC*</b>	-	-	-	DN-F6L220	10	<--->	-	-	-	DN-F10L220	10	<--->

### Fuse Terminal Blocks Specifications

<b>UL Approval<sup>1</sup></b>	600V 30A 20-6 AWG	600V 30A 20-6 AWG	300V 15A 24-10 AWG	300V 15A 24-10 AWG
<b>CSA Approval</b>	600V 30A 18-6 AWG	600V 30A 18-6 AWG	300V 8A 18-12 AWG	300V 8A 18-12 AWG
<b>VDE Approval</b>	750V 8A -	750V 8A -	500V 8A 4mm <sup>2</sup>	500V 8A 4mm <sup>2</sup>
<b>CE Conformity Agency File#</b>	CE 23/20, CE 23/21 E179129, LR84816	CE 23/20, CE 23/21 E179129, LR84816	CE 23/20, CE 23/21 E179129, LR84816	CE 23/20, CE 23/21 E179129, LR84816
<b>Wire Strip Length</b>	0.47" (12mm)	0.47" (12mm)	0.39" (10mm)	0.39" (10mm)
<b>Tightening Torque</b>	18.0 lb-in (2.0Nm)	18.0 lb-in (2.0Nm)	5.5 lb-in (0.6Nm)	5.5 lb-in (0.6Nm)
<b>Density</b>	30 pcs./ft. (100/m)	30 pcs./ft. (100/m)	30 pcs./ft. (100/m)	30 pcs./ft. (100/m)
<b>Fuse Size (not supplied)</b>	1 1/4" X 1/4"	1 1/4" X 1/4"	5x20mm-5x25mm	5x20mm-5x25mm
<b>Indicator Type</b>	Non-indicating	LED blown fuse indicator	Non-indicating	LED blown fuse indicator
<b>Temp./Relative Humidity</b>	Ambient air temperature: -25°C to -40°C (-13°F to -104°F) Relative humidity: 50% max. at 40°C (104°F), 90% max. at 20°C (-13°F)			

Note <sup>1</sup>: For copper wire only

### Accessories

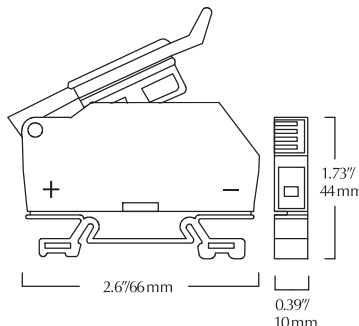
	Part#	Pcs/Pkg	Price/Pkg
<b>35 mm DIN Rail</b>	ADC Part No. DN-R35S1 (7.5 mm) or DN-R35HS1 (15 mm)		various
<b>End Bracket</b>	DN-EB35	50	<--->
	DN-EB35MN	20	<--->
<b>End Cover</b>	Included	-	-
<b>Marking Tags</b>	DN-L**/DN-LT*** series	500/100	various
<b>Angled Support Bracket</b>	DN-ASB1	50	<--->

Notes: \*Working voltage \*\* On lever arm \*\*\* On Terminal body

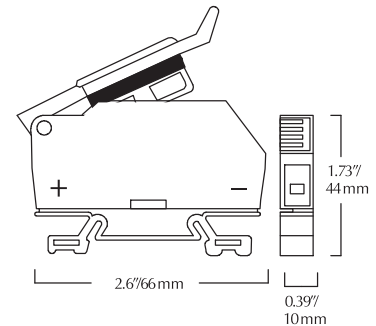
Note: DN-F6 series fuse holders will accommodate the following AutomationDirect fuses: ABC, AGC, MDA and MDL.

DN-F10 series fuse holders will accommodate the following AutomationDirect fuses: GMA, GMC, S500, and S506.

## DN-F10



## DN-F10L



For more information on accessories, see pages 26-20 through 26-22.