

# MXM SERIES MEGA®-MIDI® FUSE HOLDER

## 120V 650A Max Bolt-Down Fuse Holder



### Description

Thanks to their interlocking pins and sliding tab design features, the MXM Series 120V 650A Max Fuse Holders offer a convenient way to build your own high-current fuse array to combine different MEGA® and MIDI® fuses with various sizes (M6 and M8), pitches, and ratings (up to 120V; 650A). This versatile fuse holder for MEGA® and MIDI® fuses can also be used inline or as a bolt down fuse holder.

With available M6 and M8 versions, these fuse holders accommodate the full line of Littelfuse MEGA® and MIDI® fuses, as well as comparable fuses from other vendors.

The included protective cover and available busbars are designed to be compatible with both the M6 and M8 versions of the fuse holder, making it simple to build a fuse array that works for your application. A poka-yoke feature makes combining fuse types mistake-proof, preventing the misuse of the wrong sliding tab in the different fuse holder bases.

### Features and Benefits

- Compatible with MEGA® and MIDI® bolt-down fuses (sold separately) rated up to 650A (MEGA®) and 200A (MIDI®)
- Patented Sliding Tab design accommodates different pitches, allowing the mixing and matching of different fuse ratings in an array
- Interlocking pins on the sides of the fuse holder let you connect additional MXM Series fuse holders to create a multi-fuse array configuration
- M6 and M8 threaded studs and nuts enable simple fuse installation
- Glass-filled thermoplastic body withstands harsh conditions under the hood
- Base style includes mounting tabs and M6 holes for exterior mounting
- Included UL-94 V-0 rated protective cover snaps into the fuse holder base and can be used with M6 and M8 versions

### Applications

- Mild Hybrid Vehicles
- Heavy-Duty / Medium-Duty Trucks
- Material Handling Equipment
- Electric Powersports Vehicles
- Small Construction and Agricultural Equipment
- Golf Carts and Low-Speed Vehicles
- Electric Lawn and Garden Equipment

### Specifications

<b>Agency Approval - Shock:</b>	ISO16750-3 (2012)
<b>Agency Approval - Vibration:</b>	ISO16750-3 (2012)
<b>Current Rating Continuous:</b>	490A
<b>Current Rating Max:</b>	650A
<b>Fuse Type:</b>	<b>M6 Only:</b> MIDI: 498, MIDI BF1, MIDI BF1 58V, MIDI 70V <b>M8 Only:</b> MEGA 298 LT, MEGA BF2, MEGA BF2 58V <b>M6 &amp; M8:</b> MEGA 298, MEGA 120V, MEGA 60V High Breaking Capacity, MEGA 70V SF51, MEGA plus 32V (67) See page 3 for details & part numbers
<b>Hardware:</b>	M6 & M8
<b>Humidity:</b>	ISO16750-4 (2010)
<b>Ignition Protection:</b>	UL-94 V-0
<b>Mounting Method:</b>	Bolt-Down
<b>Recommended Torque:</b>	Mounting Features: M6 Stud $10 \pm 1$ N-m Input/Output Stud Torque: Check fuse datasheet to determine recommended torque. Maximum torque (without fuse): M6: 9+/- 1N-m M8: 20+/- 1N-m
<b>Temperature in Celsius:</b>	-40° to +105°C
<b>Continuous Voltage Rating:</b>	32V - 120V
<b>Max Voltage Rating:</b>	120V
<b>Wire Size:</b>	Up to 95 mm²

### Order Information

PART NUMBER	DESCRIPTION
FHBD56A	M6 Fuse Holder includes Cover – Preset to 56 mm Pitch
FHBD56B	M8 Fuse Holder includes Cover – Preset to 56 mm Pitch

If you require custom pre-set pitch variants, please speak with your Littelfuse sales rep to create a custom project order.

See page 2 for examples of custom fuse array configurations and page 3 for fuse applicability.

### Accessories

PART NUMBER	DESCRIPTION	IMAGE
882-954-2	2-Way Busbar	
882-954-3	3-Way Busbar	
882-954-4	4-Way Busbar	
882-954-5	5-Way Busbar	

### Web Resources

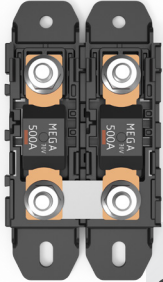
Download 2D print, installation guide and technical resources at: [littelfuse.com/MXM-FH](http://littelfuse.com/MXM-FH)

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### Potential Configurations for Custom Fuse Arrays

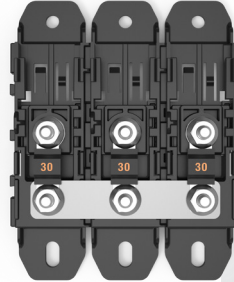
#### 2-Way 70V Mega Fuse Array



Parts Shown:  
FHBD56B (x2),  
882-954-2 Busbar,  
Mega® 70V SF56 M8 Fuse (x2)



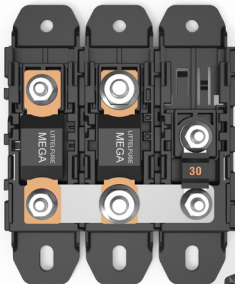
#### 3-Way 32V Midi Fuse Array



Parts Shown:  
FHBD56A (x3),  
882-954-3 Busbar,  
Midi® 32V SF30 M6 Fuse (x3)



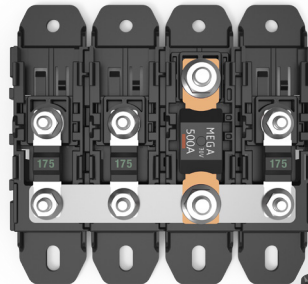
#### 3-Way 32V Mega & Midi Fuse Array



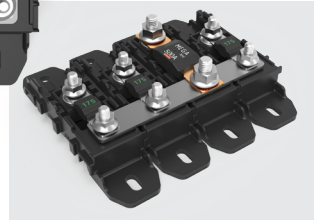
Parts Shown:  
FHBD56A (x2), FHBD56B,  
882-954-3 Busbar,  
Mega® 32V SF51 M6 Fuse,  
Mega® 32V SF51 M8 Fuse,  
Midi® 32V SF30 M6 Fuse



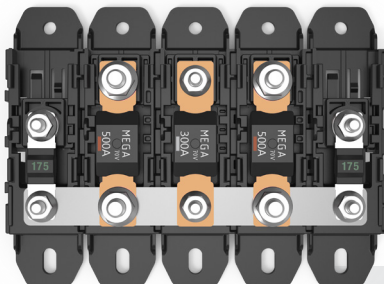
#### 4-Way 70V Mega & Midi Fuse Array



Parts Shown:  
FHBD56A (x3), FHBD56B,  
882-954-4 Busbar,  
Midi® 70V SF36 M6 Fuse (x3),  
Mega® 70V SF56 M8 Fuse



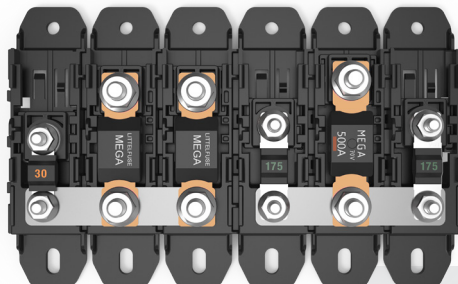
#### 5-Way 70V Mega & Midi Fuse Array



Parts Shown:  
FHBD56A (x3),  
FHBD56B (x2),  
882-954-5 Busbar,  
Midi® 70V SF36 M6 Fuse (x2),  
Mega® 70V SF56 M6 Fuse,  
Mega® 70V SF56 M8 Fuse (x2)



#### 6-Way 32V and 70V Mega & Midi Fuse Array



Parts Shown:  
FHBD56A (x3), FHBD56B (x3),  
882-954-3 Busbar (x2),  
Midi® 32V SF30 M6 Fuse,  
Midi® 70V SF36 M6 Fuse (x2),  
Mega® SF51 M8 Fuse (x2),  
Mega® 70V SF56 M8 Fuse



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### Compatible Fuses

FUSE FAMILY	SERIES	CURRENT RATING (A)	VOLTAGE (V)	PITCH (MM)	HOLE SIZE	PART NUMBERS
MIDI®	<u>498</u>	30-200	32	30	M6	0498xxx.M, 0498xxx.H, 0498xxx.MXTM6 (030, 040, 050, 060, 070, 100, 125, 150, 175, 200)
	<u>BF1</u>	30-200	32	30	M6	153.5631.5xx02 (30, 40, 50, 60, 70, 80), 153.5631.6102 (100), 153.5631.6122 (125), 153.5631.6152 (150), 153.5631.6202 (200),
	<u>BF1 58V</u>	30-200	58	30	M6	142.7010.5xx2 (30, 40, 50, 60, 70, 80), 42.7010.6102 (100), 42.7010.6122 (125), 42.7010.6152 (150), 42.7010.6202 (200),
	<u>70V</u>	30-200	70	36	M6	4998xxx.M-M6 (030, 040, 050, 060, 070, 100, 125, 150, 175, 200)
MEGA®	<u>298</u>	40-500	32	51	M6	0298xxx.ZXA (040, 060, 080, 100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 450, 500)
					M8	0298xxx.ZXEH, 0298xxx.UXT (040, 060, 080, 100, 125, 150, 175, 200, 225, 250), 0298xxx.ZXH (300, 350, 400, 450, 500)
	<u>298 LT</u>	125-275	32	51	M8	0298125.ZXBLT (125), 0298xxx.ZXEH-LT (150, 175, 200, 225, 250, 275)
	<u>BF2 32V</u>	100-500	32	51	M8	153.5395.6102 (100), 153.5395.6122 (125), 153.5395.6152 (150), 153.5395.6172 (175), 153.5395.6202 (200), 153.5395.6222 (225), 153.5395.6252 (250), 153.5395.6302 (300), 153.5395.6402 (400), 153.5395.6502 (500)
	<u>BF2 58V</u>	100-300	58	51	M8	142.5395.6102 (100), 142.5395.6122 (125), 142.5395.6152 (150), 142.5395.6172 (175), 142.5395.6202 (200), 142.5395.6222 (225), 142.5395.6252 (250), 142.5395.6302 (300),
	<u>120V</u>	60-650	120	56	M6	0888xxx.UX-2M6 (060, 200, 250, 300, 450, 650)
					M8	0888xxx.UX-2M8 (060, 200, 250, 300, 450, 650)
	<u>60V High Breaking Capacity</u>	450	60	51	M6	0878450.UX-2M6
					M8	0878450.UX-2M8
	<u>70V SF51</u>	60-500	70	51	M6	0998xxx.UX-2M6 (060, 080, 100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 450, 500)
					M8	0998xxx.UX-2M8 (060, 080, 100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 450, 500)
	<u>70V SF56</u>	60-500	70	56	M6	0898xxx.U-2M6 (060, 080, 100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 450, 500)
					M8	0898xxx.U-2M8 (060, 080, 100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 450, 500)
	<u>Plus 32V</u>	40-650	32	51	M6	0298xxx.UXP-2M6 (040, 060, 080, 100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 450, 500), 0298650.U-2M6 (650)
					M8	0298xxx.UXP-2M8 (040, 060, 080, 100, 125, 150, 175, 200, 225, 250, 300, 350, 400, 450, 500), 0298650.U-2M8 (650)

Note: Click on the series name to go to the product series web page