

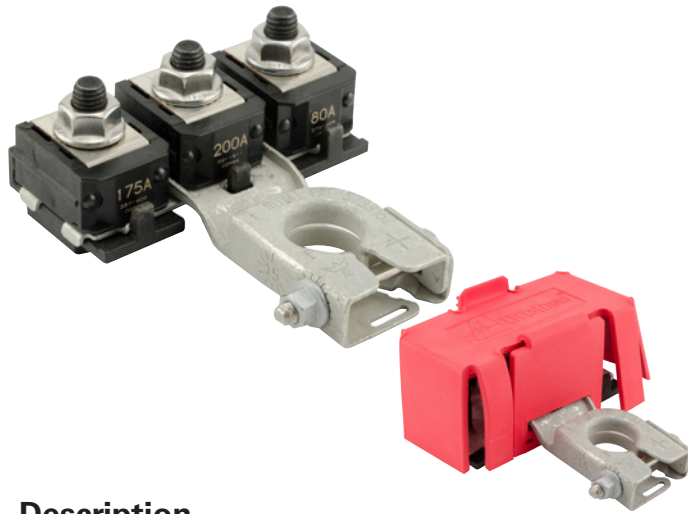
# Installation Instructions

## BMZ Series Fuse Holder

Part Number: 0FHZ00853-BX & 0FHZ00854-BX



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### Description

The BMZ fuse holder allows you to mount fusing directly to a post style battery without any special hardware. The isolated bolts eliminate the traditional need for nylon nuts and fuses can be assembled using standard M8 threaded hardware.

The maximum total current (not fuse rating) is 275A.

### Specifications Overview

<b>Max Voltage:</b>	32V DC
<b>Max Total Continuous Current:</b>	275A
<b>Fuse Terminal Torque:</b>	14 ± 2 Nm
<b>Battery Terminal Torque:</b>	5.4 ± 0.9 Nm @ 540 RPM
<b>Operating Temp:</b>	-40° to +125°C

### Web Resources

Download 2D print and technical resources at:  
[littelfuse.com/bmz](http://littelfuse.com/bmz)

### Ordering Information

PART NUMBERS	DESCRIPTION
882-854	2 Way Bus Bar & Stud Assembly
882-853	3 Way Bus Bar & Stud Assembly
876-199	Battery Terminal
901-325	Red Rubber Cover
0FHZ00854-BX	Kit: 882-854 (2 way bus bar), 876-199 (terminal mount), 901-325 (red cover), 1x M8 Bolt, 3x M8 Flange Nuts
0FHZ00853-BX	Kit: 882-853 (3 way bus bar), 876-199 (terminal mount), 901-325 (red cover), 3x M8 Flange Nuts

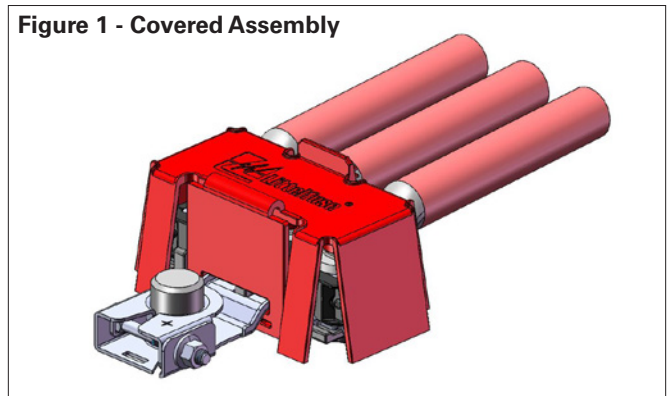
### Installation

Assemble the fuse holder and mount to the battery terminal in the following sequence:

1. Assemble the rubber cover (901-325) to the battery terminal (876-199) by sliding the slot of cover over the flat end of the battery terminal.
2. Place the battery terminal over the center bolt of either the 3-Way Bus Bar (882-853) or the 2-Way bus bar (882-854).
  - If using the 3-way bus bar (882-853) go to step 3.
  - If using the 2-way bus bar (882-854) the center bolt will need to be assembled before the battery terminal is installed. Using the supplied M8 bolt & nut, insert the bolt through the bottom of the bus bar, then add the battery terminal over the top of the bolt and lastly thread the nut on to the bolt and tighten. This position is used for mechanically securing the battery terminal to the bus bar only.
3. Place the appropriate Z-Case fuses (M8) onto the isolated studs. On the 3-way bus bar the highest value fuse should be put in the center position to minimize the length of the electrical path.
  - Remember when selecting fuse values the continuous current through a fuse should be calculated as 75% of the rated value of the fuse (200A fuse should carry 150A max continuous current).
  - The total long term continuous current for all fuses should not exceed 275A.
  - Intermittent loads such as motor start, starter or compressor should not exceed 400A for 20 seconds.
4. Place an appropriate sized output cable with an M8 or 5/16" terminal on the top of the Z-Case fuses and place the included M8 nuts on the isolated stud. Torque the nuts to 14Nm±2Nm. Be sure to hold the wire and terminal while applying torque to prevent twisting which can damage the fuse element from excessive torque.
5. Place the fuse holder assembly over the battery post and tighten to 5.4Nm± 0.9Nm. Press the red rubber cover down over the studs and nuts. Optional, wire ties can be wrapped around the assembly for a tighter fit.
6. Be sure that the output cables are routed so they have sufficient bend radius and are not at risk of being damaged or pinched. Lastly, make sure that all cables are strain relieved by being supported within 18" of the battery.

Step by step images shown in Figure 2 on page 2.

Figure 1 - Covered Assembly



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**Figure 2 - Step by Step Installation**

STEP	IMAGE	DETAILS	STEP	IMAGE	DETAILS
1		Assemble the rubber cover to the battery terminal.  Slide the slot of cover over the flat end of the battery terminal.  <i>The cover is omitted in the following steps for graphic clarity.</i>	5		Secure M8 nuts to studs. (14Nm±2Nm).  Hold the wire and terminal while applying torque to prevent twisting.
2		Place the battery terminal over the center bolt.	5a		
2a		2-way bus bar needs to be assembled. Insert bolt through the bottom of the bus bar, then add battery terminal and secure the nut.	6		Place the fuse holder assembly over the battery post and tighten to 5.4Nm± 0.9Nm.  Press the cover down over the nuts so that it is secured in place.
3		Place Z-Case fuses on studs.  On the 3-way bus bar the highest value fuse should be put in the center position.	7		Check that output cables are routed so they have sufficient bend radius and are not at risk of being damaged or pinched.  Lastly that all cables are strain relieved by being supported within 18" of the battery.
4		Place output cable with an M8 or 5/16" terminal on the top of the Z-Case fuses.			

*Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to changes without notice. Visit [littelfuse.com](http://littelfuse.com) for the most up-to-date technical information.*