Installation Instructions

FHZ Series 5-Stud ZCASE® Fuse Holder Part Numbers: 0FHZ0001Z, 0FHZ0002Z & 0FHZ0005Z





Description

The 5-Stud ZCASE Fuse Holder is a configurable product designed to do primary high current power distribution. It uses a power input terminal usually paired with a ZCASE shunt for the input. With a common bussed power, configurable studs (choose M6, M8, or M10) and appropriate ZCASE fuses a wide variety of configurations is possible. The dust covers keep dust out of the backside of the fuse box and the cover protects the fuses from debris.

Specifications Overview

Amperage: 400A Continuous

Available Fuse Rating: 40- 600A

Accessories: Studs, Bus Bar, Tether, Dust Cover

Box Dimensions: 217mm x 96mm x 59mm

Contact Temp: -40° to 105° C

Connections: M6, M8, and M10 Bolt
Down Connection

Black

Web Resources

Color:

Download 2D print and technical resources at: littelfuse.com/5studzcase

Ordering Information

PART NUMBERS	DESCRIPTION
0FHZ0001Z	5-Stud Assembly with Bolts and Bus Bar
0FHZ0002Z	5-Stud Full Assembly with M10 Input
0FHZ0003Z	5-Stud Box Only for Configuration
0FHZ0005Z	5-Stud Full Assembly with M8 Input

Installation

Assemble the fuse holder in the following sequence:

- Open AssureLatches and remove cover. If you are using the 0FHZ0002Z, remove the nuts and the green rubber dust covers.
- Place the ZCASE fuses on the studs to match stud size and loads. If you are using the optional dust covers replace them in the slots all the way down allowing the tabs to engage the fuse bodies.
 - 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 400A.
 - Intermittent loads such as motor start, starter or compressor should not exceed 600A for 20 seconds.
- Place ZCASE fuse holder into the mounting position and mark the location on the mounting surface for the mounting bolts. Drill four holes to accommodate the M8 Mounting hardware. Bolt the holder to the mounting surface with four M8 bolts torqued to XXNm maximum
- 4. Place an appropriate sized output cable with an a terminal matched to the stud size on the top of the ZCASE fuses and put on an appropriate nuts on the isolated studs. Torque the nuts to 14Nm±2Nm for M8 studs and 16Nm±2Nm for M10 studs. Be sure to hold the wire and terminal while applying torque to prevent twisting which can damage the fuse element.
- 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.
- Replace the cover and snap the AssureLatch latches into place Note: the cover is designed to take a label, so good practice is to label the fuse box so each fuse and its loads are identified, as this makes troubleshooting later much easier

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

Figure 1 - Covered Assembly

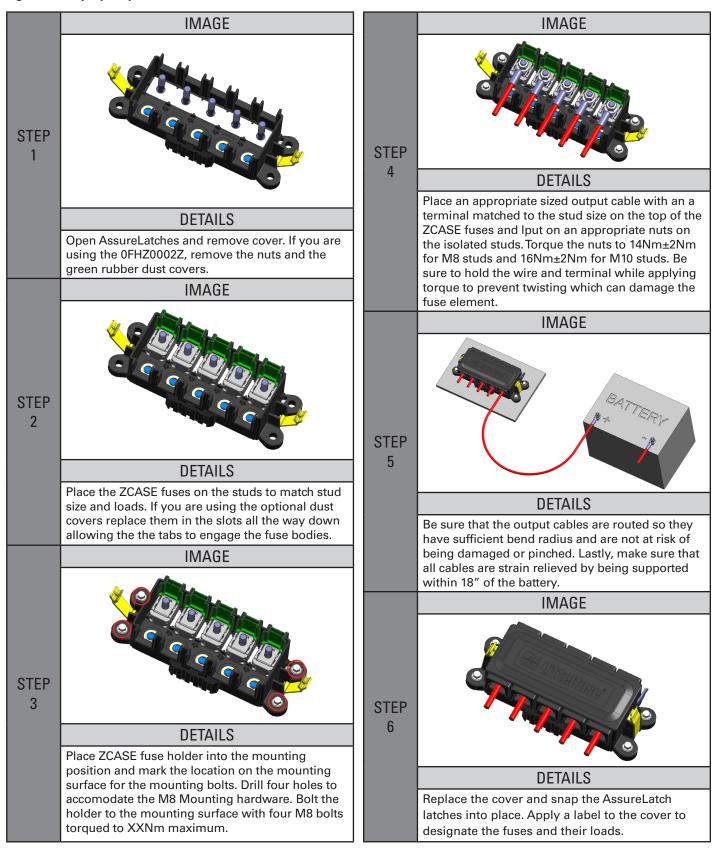


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Figure 2 - Step by Step Installation



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 for the most up-to-date technical information.