

# Installation Instructions

## MDB Series Fuseholder / Power Distribution Module

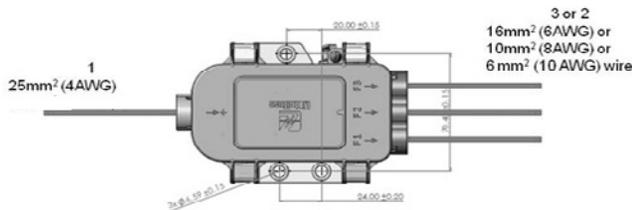


### Description

The MDB holder is a sealed fuse holder design to use either 2 or 3 midi bolt down fuses. Maximum total current (not fuse rating) is 200A.

Size your fuses so that your continuous load rating = ~75% of the fuse rating.

For example, if your load is 60A use an 80A fuse.



Choose M5 terminals that will fit through the openings in the housings.

*Do not crimp on the ring terminals until the caps and grommets are applied!*

### Maximum Terminal Size



	Input Opening	3 Output Openings
Dimension A Max	14.0 mm	12.25 mm

### Specifications Overview

<b>Voltage:</b>	6 - 58 Vdc
<b>Max Total Current:</b>	200 A
<b>Fuse Torque:</b>	5 Nm
<b>Mounting Torque:</b>	6-8 Nm
<b>Operating Temp:</b>	-40 to +85 °C
<b>Ingress Protection:</b>	IP67, IP69K
<b>Flammability Rating:</b>	UL94-V0
<b>Wire Sizes:</b>	Input: 16 or 25 mm <sup>2</sup> Output: 6-16 mm <sup>2</sup>
<b>Dimensions:</b>	131x68x38 mm

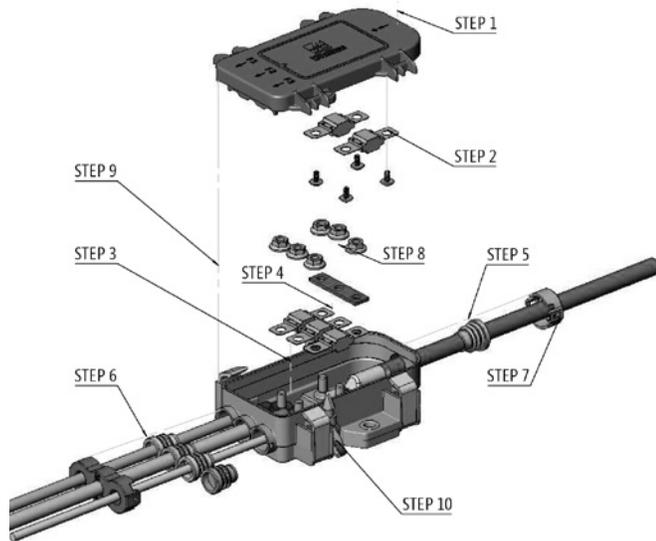
### Web Resources

Download the product datasheet, 2D print and additional technical resources or contact us at: [littelfuse.com/MDB](http://littelfuse.com/MDB)

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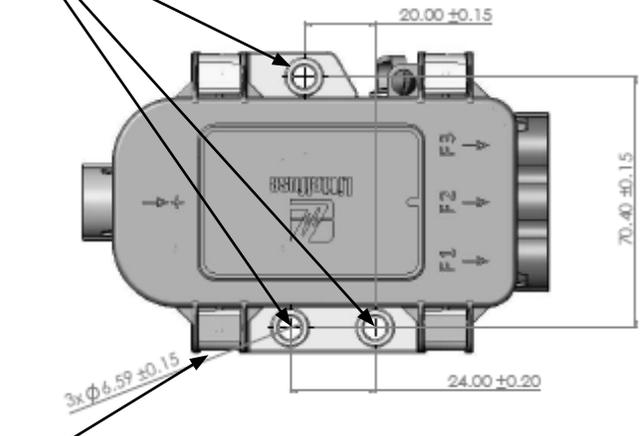
### Assembly Instructions



1. Unlatch yellow clips (this may require a small flat head screwdriver) and remove cover
2. *Optional* – secure spare fuses to inside of cover with small screws
3. Place MIDI® fuses into holder with terminals flush to bottom of the holder. Make sure that they are in correct location for your application
4. Place the bus bar directly on top of the fuses.
5. Put the wire through the cap, then apply the grommet, then crimp on an appropriate sized M5 ring terminal. This should be done for the input and all output cables
6. Place the wires through the appropriate openings and onto the studs. Slide the grommets up on all cables and seat them into the openings of the holder. This should be done for the input and all output cables
7. Snap the caps into place to help secure the grommets. This should be done for the input and all output cables
8. Screw down all the flange nuts to 5 Nm torque
9. Replace the cover on the box making sure that the cover is fitted correctly and the seal is not being pinched or damaged
10. Snap the AssureLatch™ yellow clips closed to ASSURE that the unit is properly sealed. If you cannot snap the clips closed it means that the cover is not correctly placed and the unit is not sealed. Check to make sure that the cover is correctly aligned and pressed completely onto the base.

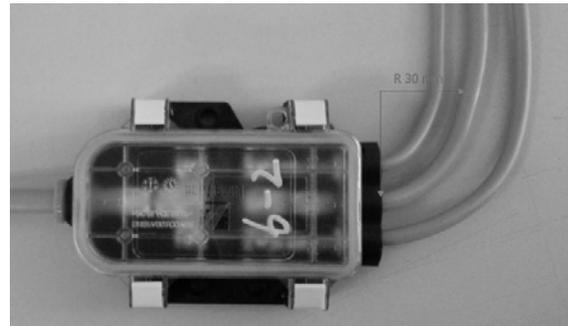
### Mounting

- M6 or ¼" Mounting Bolts
- Or use a post in one location to poka-yoke assembly



- Leave room to allow AssureLatches™ to open so that fuses are serviceable.

### Minimum Bend Radius



- 25 mm<sup>2</sup> (4AWG) cable minimum radius > 40mm
- 16 mm<sup>2</sup> (6AWG) cable minimum radius > 30 mm
- 10 mm<sup>2</sup> (8AWG) cable minimum radius > 20 mm
- 6 mm<sup>2</sup> (10AWG) cable minimum radius > 15 mm

If these (bend radius) recommendations are not followed, then seal integrity may be compromised and module will not be waterproof

Use Strain Relief: Cabling should be secured from moving once the MDB is installed

*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.*