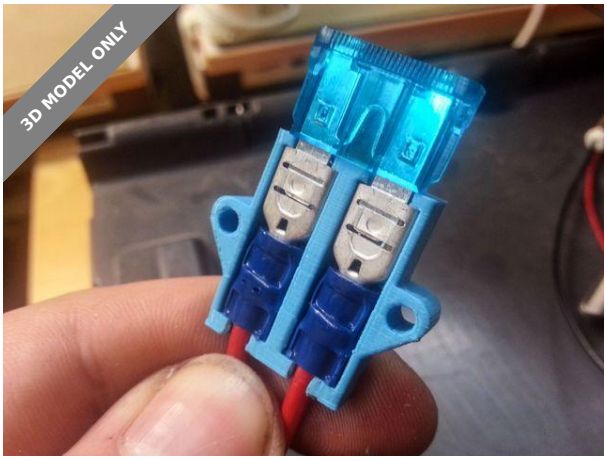

Stackable fuse holder

Cederb

VIEW IN BROWSER

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Summary

A stackable fuse holder for automotive blade fuses

Hobby & Makers > Electronics

Tags: boat blade diy marine electronics protection automotive voltage fuse current overcurrent

A stackable fuse holder for automotive blade fuses that uses nothing more than 3D printed parts, M3 screws, and regular spade connectors.
I thought that most fuse holders were way too bulky when I did build a super compact USB charging station for 16 phones, so I made these instead.

BOM:

You need:
- 1 printed “start piece”
- 1 printed “end piece”
- 2 pcs M3 Screws of a length that suites your stack
- 2 pcs M3 Nuts
- 2 6.3mm blade connectors
- 2 wires

And for each additional fuse:
- 1 printed “middle piece”
- 2 6.3mm blade connectors
- 2 wires

Warning:

Since fuses are a safety device, be aware that you want to print this in an electrically insulating material that can handle the temperatures that can occur in overcurrent scenarios, and will not burn. My recommendation is a polymer with a glass transition temperature of 100C or higher, and a UL94 rating of V0, for example, Polymaker's PC-FR or the BASF Ultrafuse PC-ABS filaments.

Originally published on YouMagine back in 2016

Drawn back in 2015, at a time when I still used Sketchup...

Model files

fuseholder-middle.stl

fuseholder-startpiece.stl

fuseholder-endpiece.stl

fuseholder2.skp

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