

# Wago 221-415 Power Distribution Block



Zachar Čuřík

[VIEW IN BROWSER](#)

updated 23. 4. 2024 | published 23. 4. 2024

## Summary

Mount for three 221-415 (Five Socket) Wago clamps, with Clips and DIN rail Mount.

[Hobby & Makers](#) > [Electronics](#)

Tags: [wago](#) [dinrail](#) [wago415](#) [wago221415](#)

### Power Distribution Block for Three 221-415 (Five Socket) Wago Clamps, with Clips and DIN Rail Mount.

- A versions for classic M3 nuts and for M3 brass hot melt insert nuts are available.
- Three zip ties holes in the front for secondary cables.
- The Clips in the Block are held against falling out during assembly by means of grooves, after fitting Wago clamps they are blocked by them (in the case without using Din\_Lock mounting).

---

### Necessary Accessories For:

- **Cable Gland attach** - 2x M3 L20mm (common flat countersunk head, Phillips PH1) screws + 2x M3 nuts or 2x M3 hot insert nuts (it depends on the Wago\_Mount.stl model).

- **Din Lock pad attach** - 2x M3 L10mm (common flat countersunk head, Phillips PH1) screws + 2x M3 nuts or 2x M3 hot insert nuts (it depends on the Wago\_DIN\_Lock.stl model).

Note: both nuts work well, I got the M3 hot nuts in the package, so I wanted to try them :)

---

- **Mounting on DIN Rail:** Place the entire body of Wago\_Mount first on the DIN with the lower hook with springs, press the body and hook towards the DIN (this will compress the springs and spread the hooks apart) and at the same time, with constant pressure, close the second hook to the DIN, then release the pressure.
- However, the lower hooks with the spring are beveled, so the Wago\_Mount can also be attached to the DIN rail by gently placing the upper hook and then pressing it onto the lower hook (Snap on), only the DIN rail has sharp edges, so it's a little more difficult - you have to grind some plastic, nothing dramatic, but the sound is dramatic...
- **Disassembly from DIN Rail:** The same but in the opposite order, i.e.: Press the lower hook with the springs towards the DIN (upwards, for spreading the hooks) and at the same time unfold the other side...

Note on Wago\_DIN\_Lock.stl in other use: It needs to be in close contact with the surface of the other model after screwing, this is a condition for proper functioning (the distance between the holes is 35mm).

---

- **Print Settings:**
  - Filament: PLA
  - Layer Height: 0.3!
  - Infill: 30-40%
  - Support: NO
  - External perimeters first (For better accuracy).

## This remix is based on



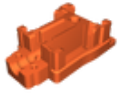
### Wago 221 Power Distribution Block

by 6d6178

# Model files



**wago\_mount-m3\_nut.stl**



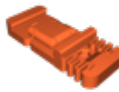
**wago\_mount-m3\_hot\_nut.stl**



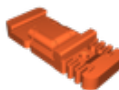
**wago\_cable\_gland.stl**



**wago\_clip.stl**



**wago\_din\_lock-m3\_nut.stl**



**wago\_din\_lock-m3\_hot\_nut.stl**

**wago\_sketchup\_2015.skp**

## License ©

This work is licensed under a  
[Creative Commons \(4.0 International License\)](#)



**Attribution**

✗ | Sharing without ATTRIBUTION

- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition