

MOUNTING A 19" RACK – APPLICATION NOTE



Application Note

Mounting a 19" Rack and Mounting a HighPROTEC Protection Device into a Cabinet

Assembly and Installation Instructions (Original)

Prerequisites

This application note describes the assembly of a 19" (sub)rack, taking a commercially available product of the company HEITEC as an example.

After assembling the parts it is possible to fit in (up to two) HighPROTEC devices (one besides the other).

It has to be noted, though, that HighPROTEC devices for door mounting must not be confused with devices for 19" racks. These two housing types differ in construction and in their order codes.

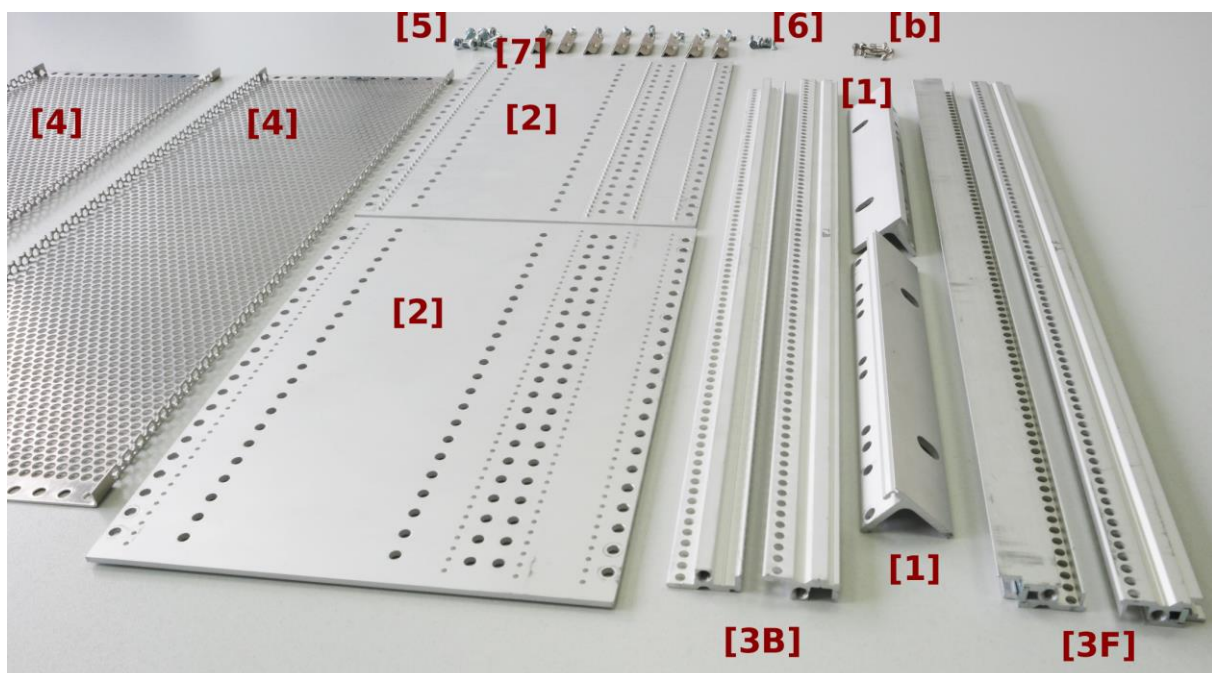
We recommend to check the order code of the required device type carefully before placing an order.

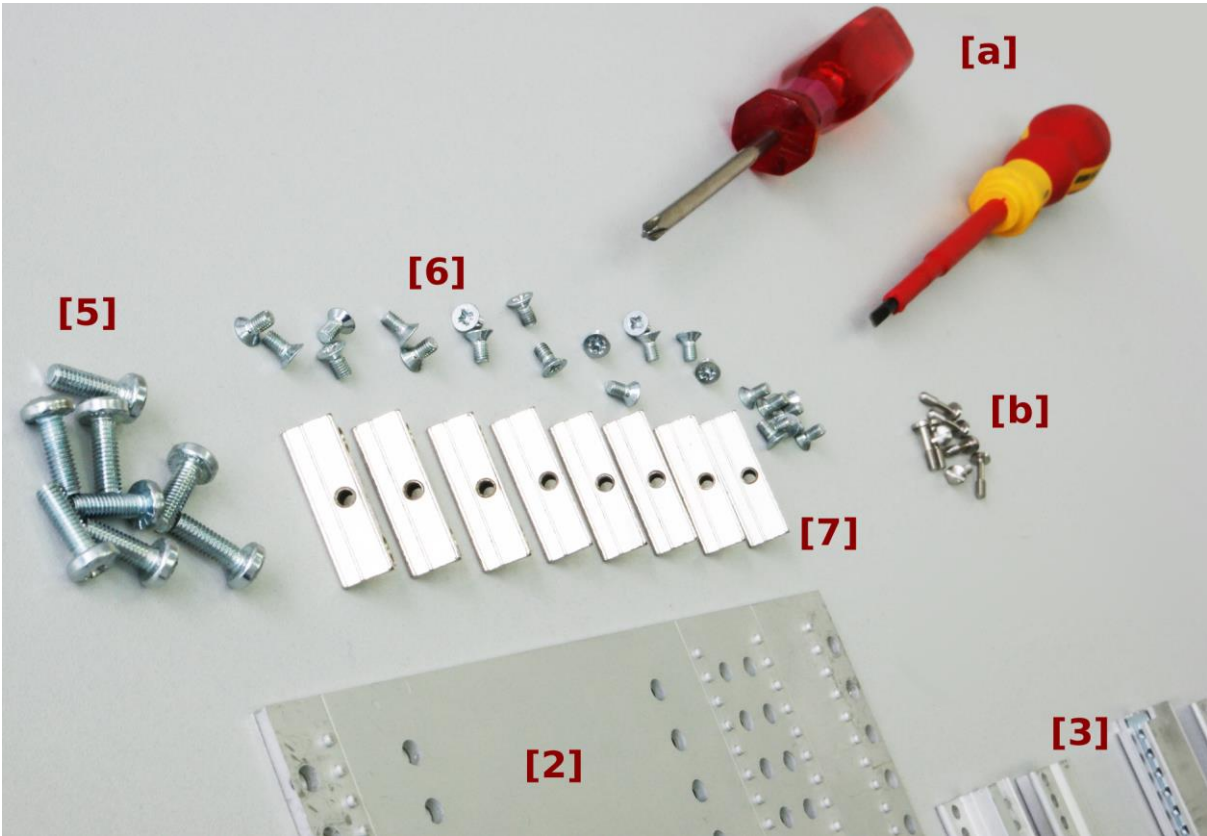
For an MCA4, for example:

- ~~MCA4-2xx A xx~~: Variant(s) for door mounting, **cannot** be used for a 19" rack.
- MCA4-2xx B xx: Variant(s) for 19" racks

Required Parts and Tools

- [1], [2], [3], [5] HeiPac Vario, 4U (3+1), 84 HP / 245 mm for Backplane (HEITEC, order number 3685235)
[3F] = 2 front rails, [3B] = 2 rear side rails
- [4] Cover, 84 HP / 142 mm, 2 pieces (HEITEC, order number 36852245)
- [6] Countersunk screws, M3x6, 1 pack (HEITEC, order number 3684233)
- [7] Mounting blocks, 1 pack (HEITEC, order number 3684234)
- [a] Phillips head screw driver, slotted screwdriver 0,8 x 4,0 mm
- [b] Slotted screws for mounting the HighPROTEC front (4 screws per device, these are part of the HighPROTEC delivery)





Assembly

Step 1

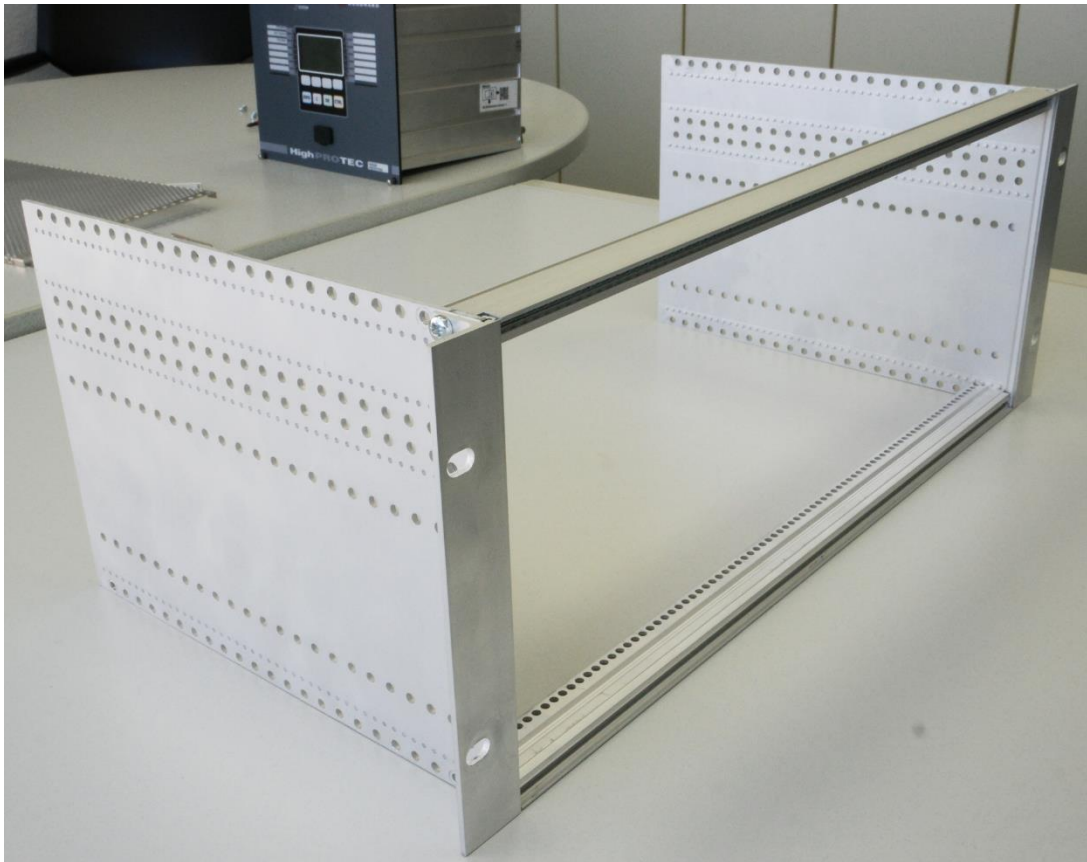
Fasten the angle brackets **[1]** and the side plate **[2]** for the left-hand side at the top and bottom rails **[3F]**, using the screws **[5]**. Be careful to mount all parts in the correct orientation, see the photos.





Step 2

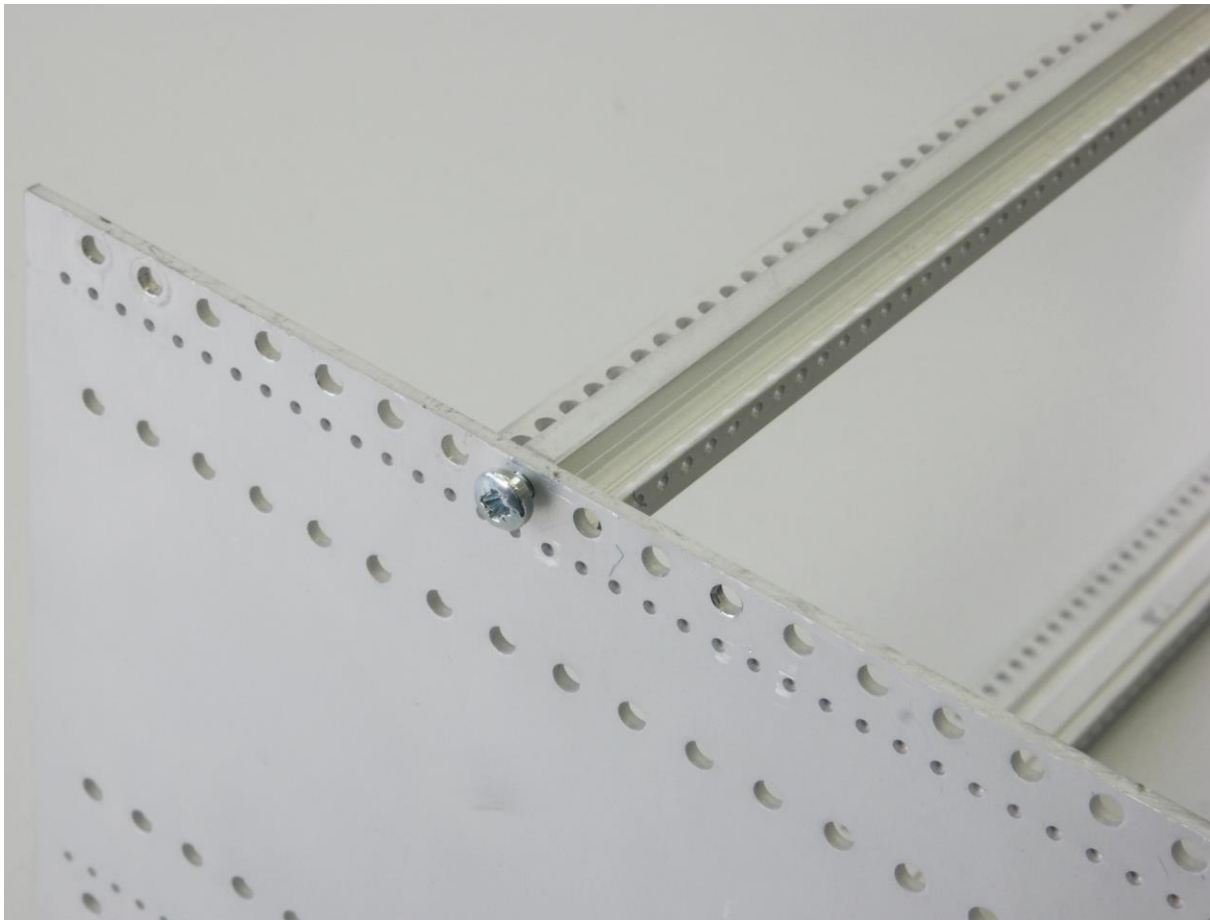
In the same way, fasten the angle brackets [1] and the side plate [2] for the right-hand side at the horizontal rails [3F]. Now the construction looks like shown below.



Step 3

Then fasten the horizontal rails **[3B]** for the rear side, as shown below.

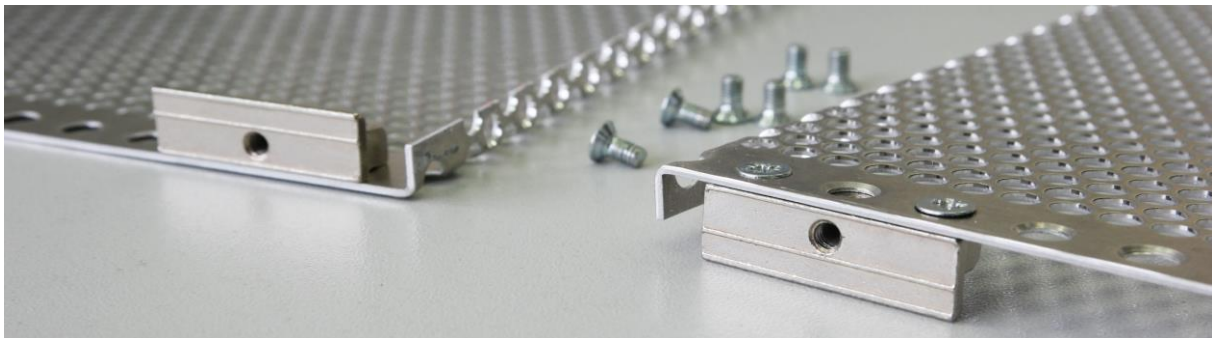
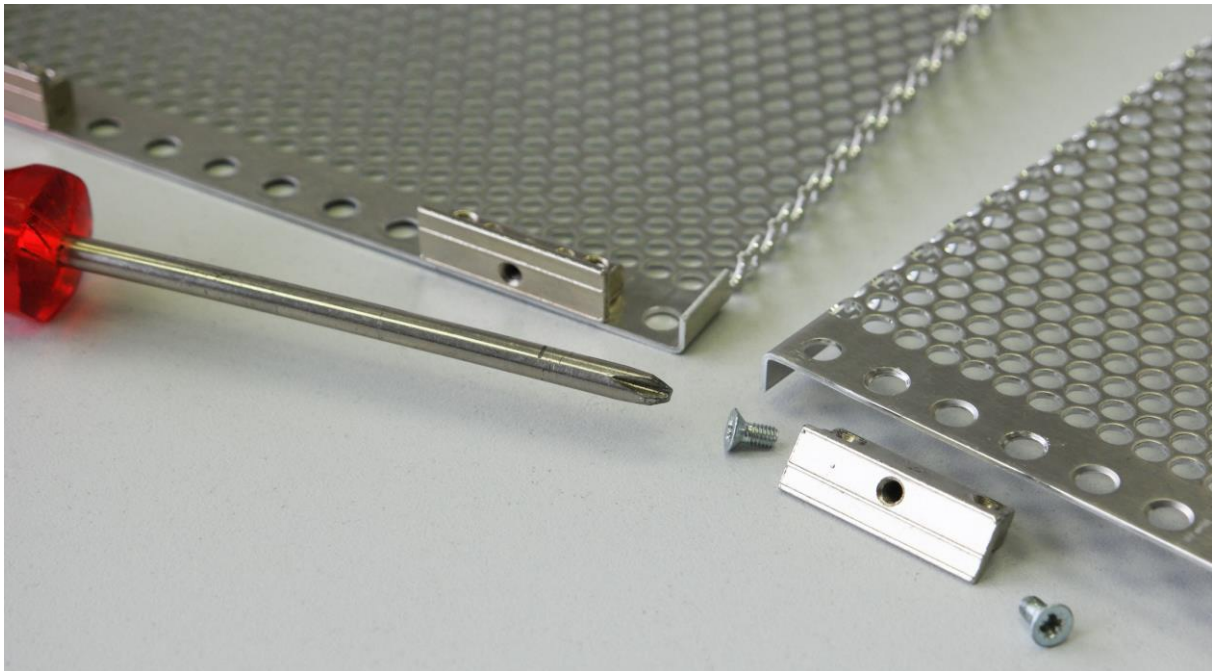
Take care to select the correct distance to the front rails, so that the cover plates will fit later.



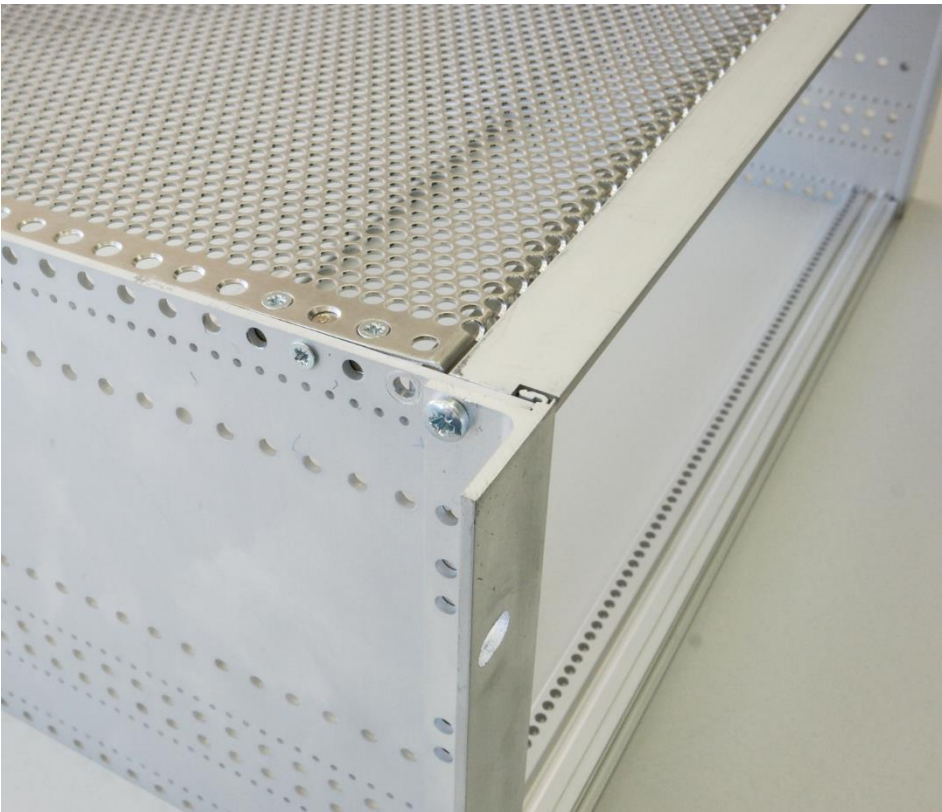
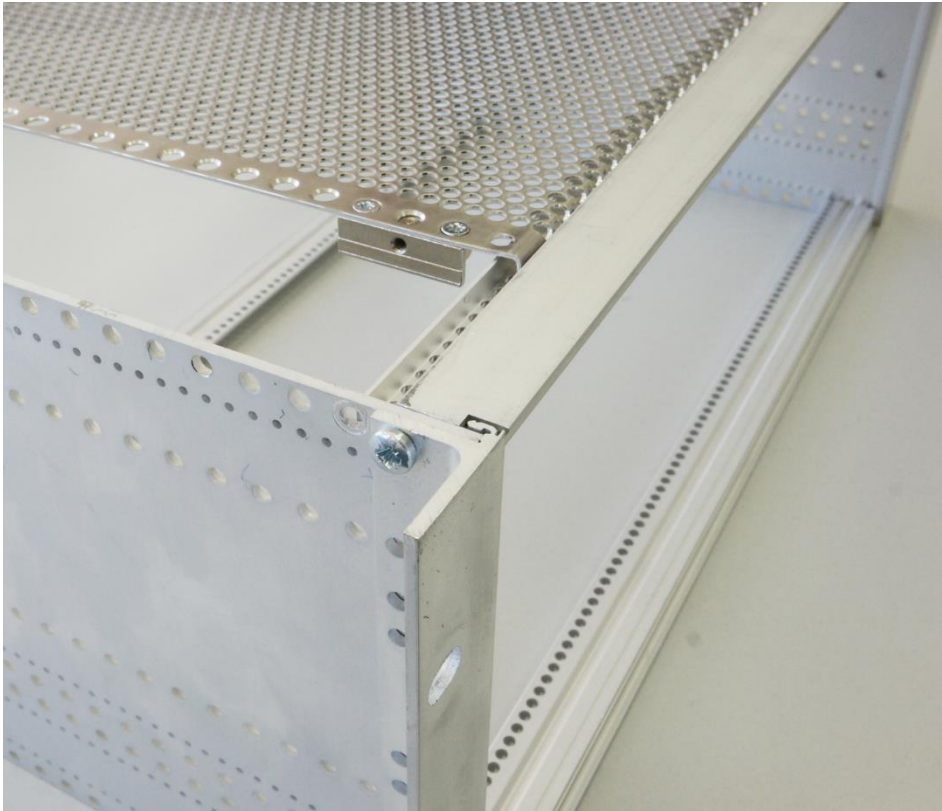


Step 4

Use the countersunk screws [6] to fasten the small mounting blocks [7] at the cover plates [4] for the top and bottom sides.

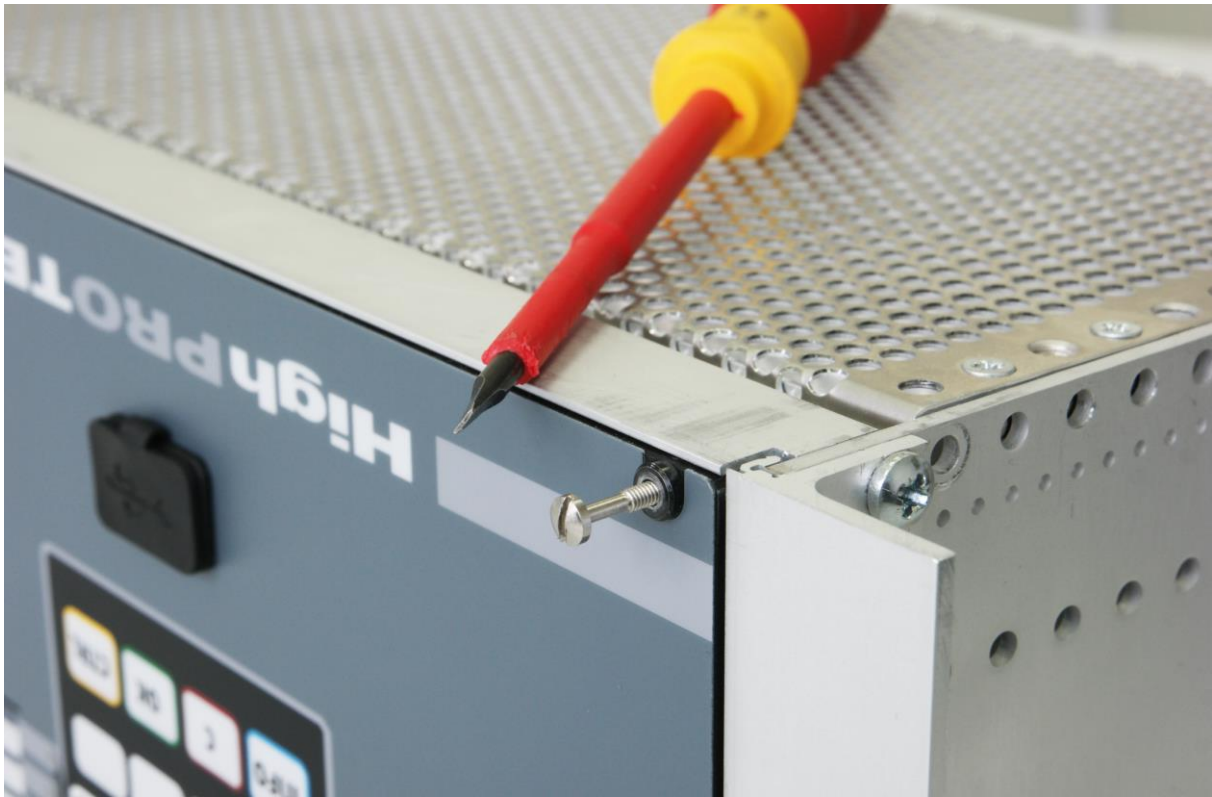


Then the cover plates [4] can be fixed at the side plates, as shown below.



Step 5

The 19" rack is already finished by now. You can then insert the HighPROTEC device(s) and fasten them at the horizontal rails using the screws [b].



Such a 19" (sub)rack can hold up to two HighPROTEC devices of housing size B2.



Note that the rear side of each HighPROTEC device must fit exactly between the two horizontal rails [3B], so that the device seats solidly on the lower rear rail, otherwise the mechanical stability will not be sufficient.



Step 6

Finally you can mount the 19" rack into a cabinet in the usual way.



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