

Explanation Installation and connection of the filters:

The cable colours have the following meaning:

Yellow/green – PE = protective earth

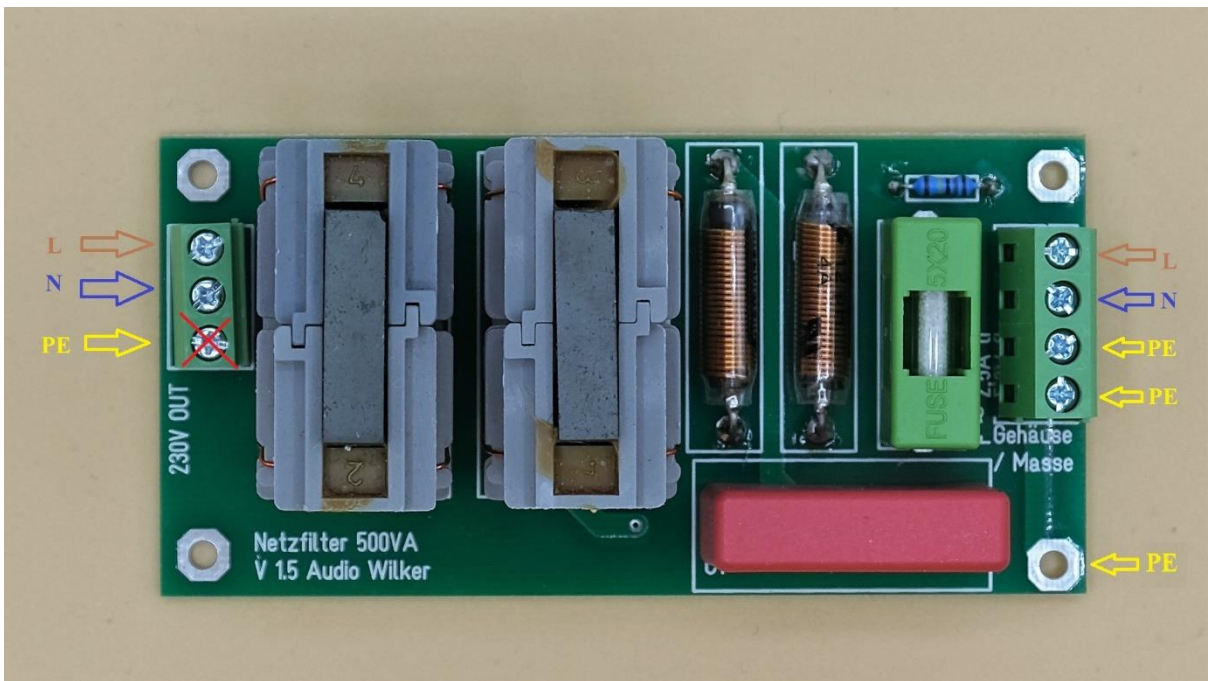
Blue = Neutral

Brown = phase / light guide (currentcarrying)

If several filters are to be combined, please keep to the following sequence:

Input (plug) -> DC filter -> mains filter -> isolating transformer -> output (socket/strip)

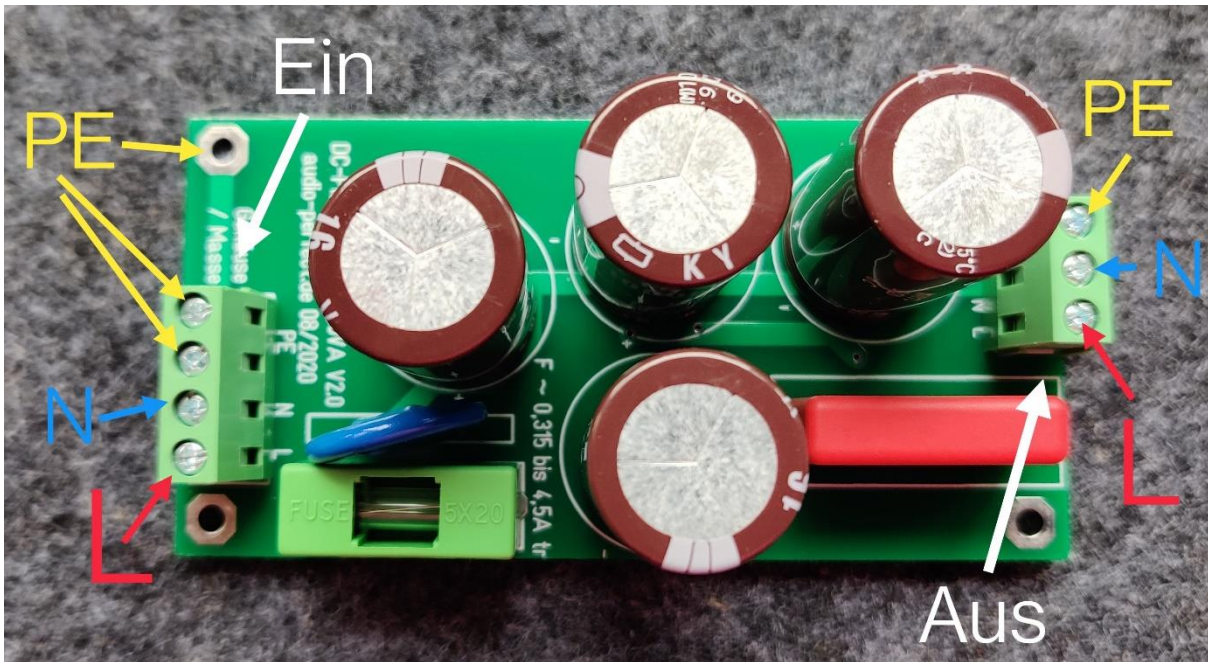
500VA (450VA) Mainsfilter:



The input is on the right. A plug with protective contact is connected here. The hole at the bottom right is electrically connected to the protective earth conductor. If a galvanised metal screw is used here for fastening, the housing is automatically connected to the protective conductor and no further cable needs to be pulled.

The output is located on the left. The corresponding socket with protective contact is connected here. The older version of this filter (450VA) has only two contacts at the output. The protective earth of the socket must then be connected to the input.

DC-Filter (All power):

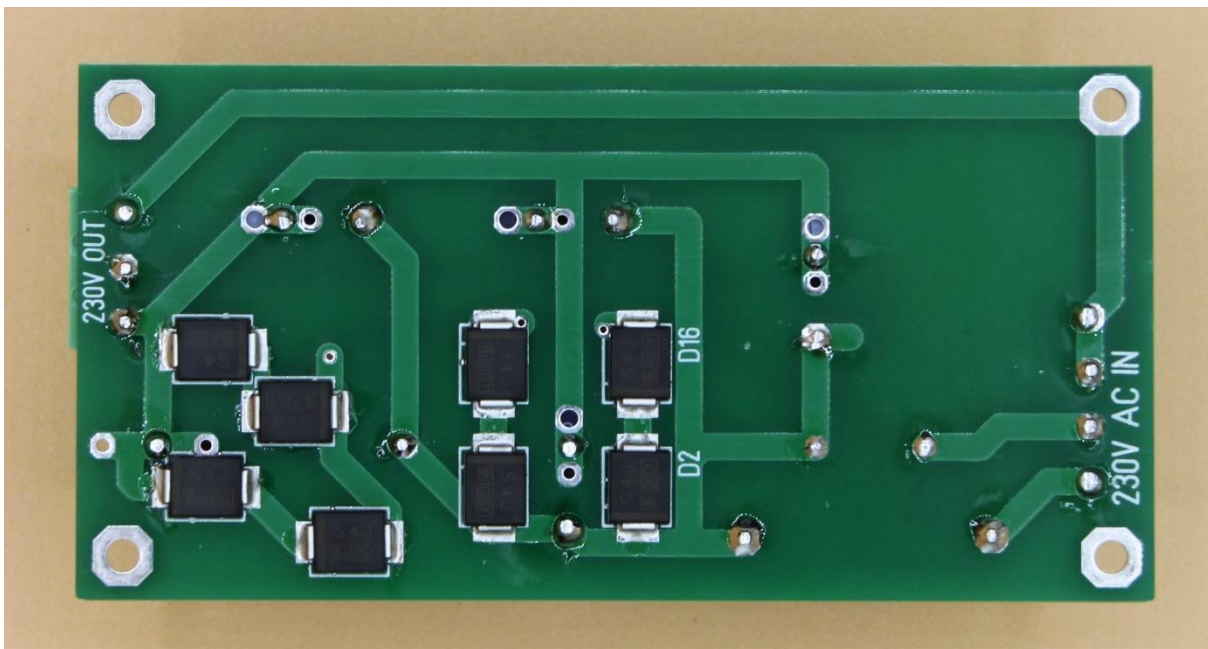


It is essential to observe the phase position of the DC filter. This means that the phase must be applied to the corresponding connection.

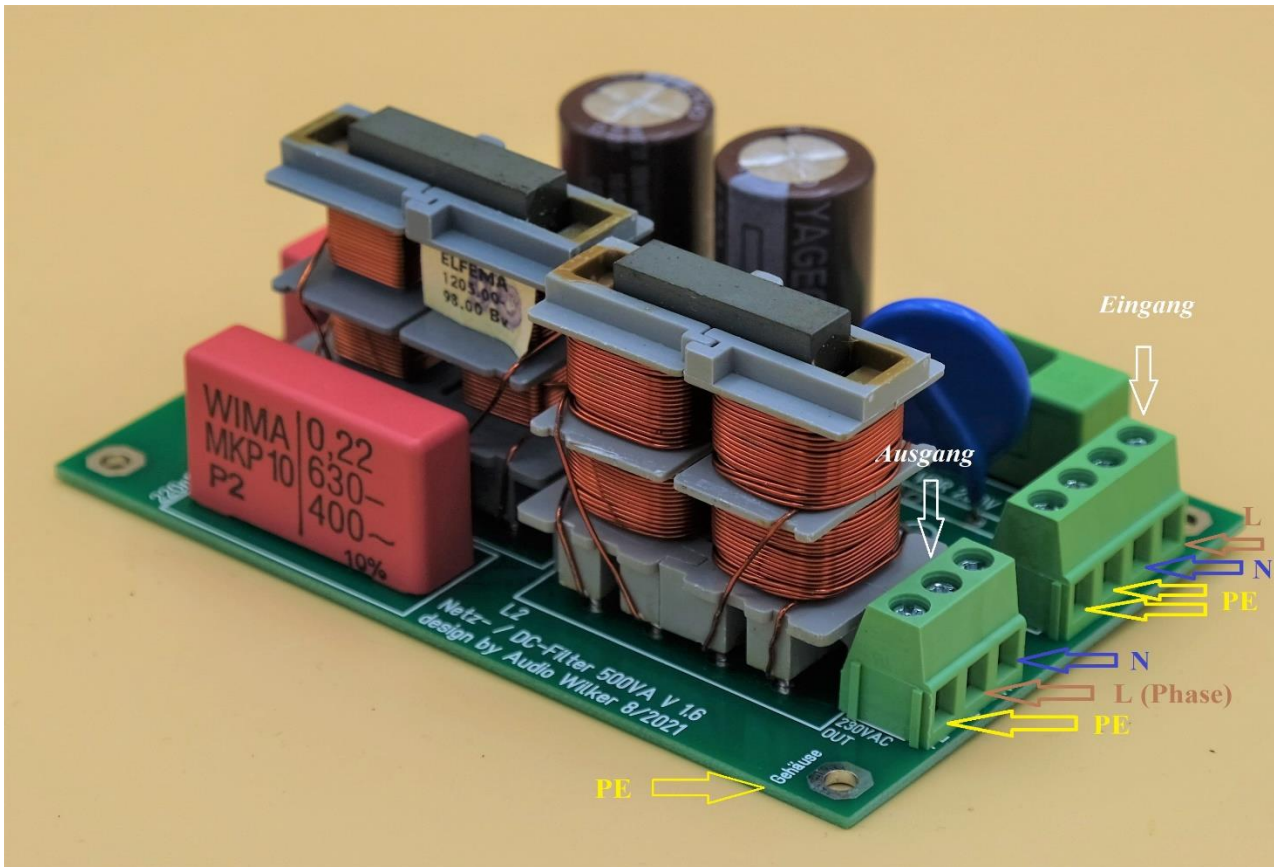
Here is the input on the left. The plug with protective contact is connected here. The hole at the top left is electrically connected to the protective earth conductor. If a galvanised metal screw is used here for fastening, the housing is automatically earthed and no further cable needs to be connected.

The output is located on the right. The corresponding socket outlet with protective contact or a subsequent mains filter is connected here.

Here is the underside of the board; input and output are clearly marked:



DC-/mainsfilter 500VA:



It is also essential to pay attention to the phase position of the DC/mains filters. This means that the phase (light guide) should be connected to the corresponding connection.

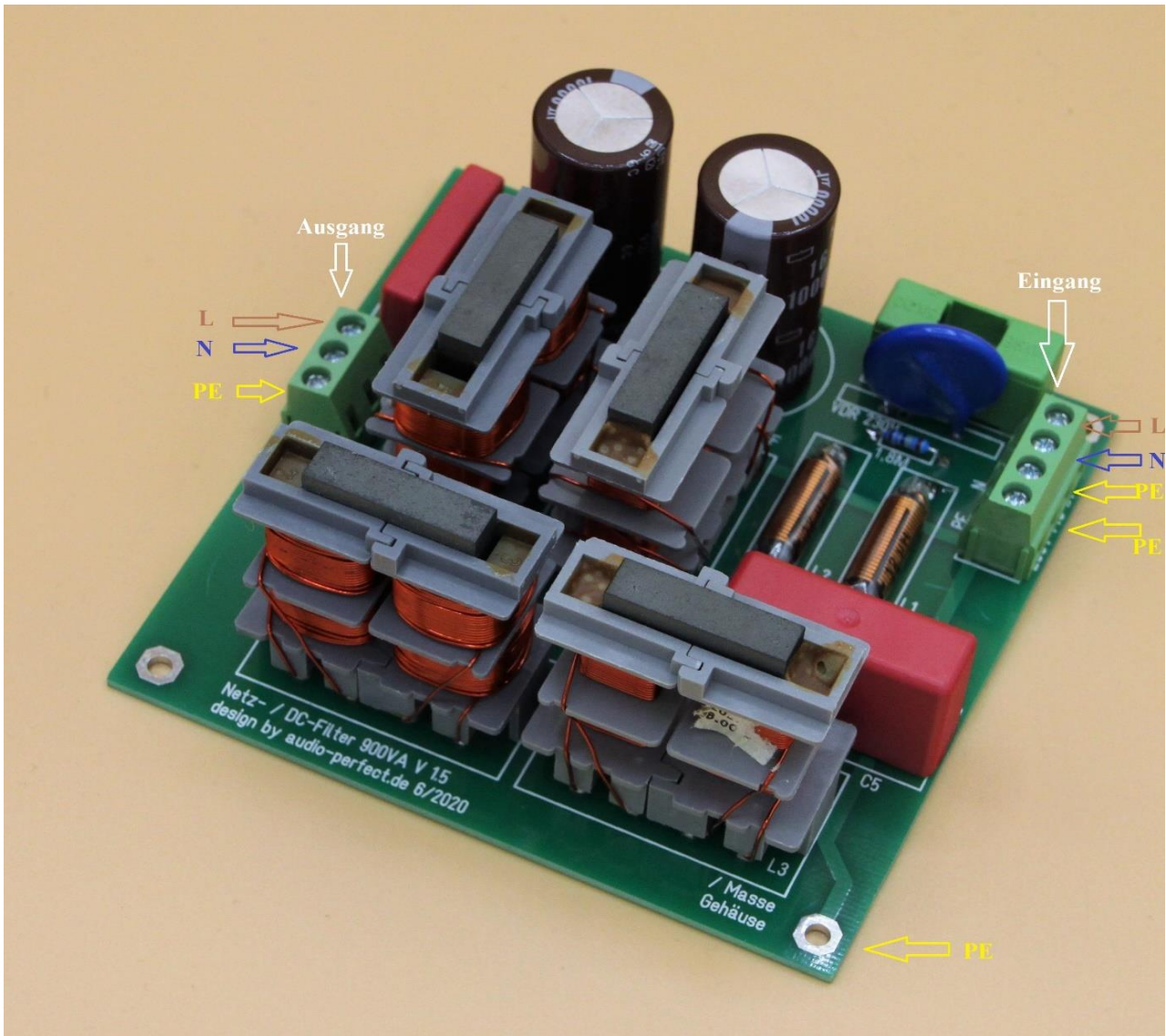
Entrance and exit are on the same side here.

The input (german: Eingang) is located in the picture above. A plug with protective contact is connected here. The hole at the bottom right is electrically connected to the protective earth conductor. If a galvanised metal screw is used here for fastening, the housing is automatically earthed and no further cable needs to be pulled.

The output (german: Ausgang) is located at the bottom. The corresponding socket with protective contact is connected here.

Version 1.5 still contains eight SMD diodes on the bottom side; the newer version 1.6 is equipped with six diodes. Contrary to the imprint, this filter can also be loaded with up to 500VA.

DC-/Mainsfilter 900VA:



It is also essential to pay attention to the phase position of the DC/mains filters. This means that the phase (light guide) should be connected to the corresponding connection.

The input (german: Eingang) is on the right. A plug with protective contact is connected here. The hole at the bottom right is electrically connected to the protective earth. If a galvanised metal screw is used here for fastening, the housing is automatically earthed and no further cable needs to be pulled.

The output (german: Ausgang) is located on the left. The corresponding socket with protective contact is connected here.

Please observe the safety rules that are laid down in your country.

The installation of electrical systems must be carried out by a qualified electrician in accordance with the applicable electrotechnical regulations.

If you have any questions, please contact frankwilker@web.de