



VEBKO ONLINE HELP

Assembling Stages of AMT105 Tester

Category	tester
Section	Introducing the Company and Products
Language	English
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Four wires with 4 pin female Phoenix connectors

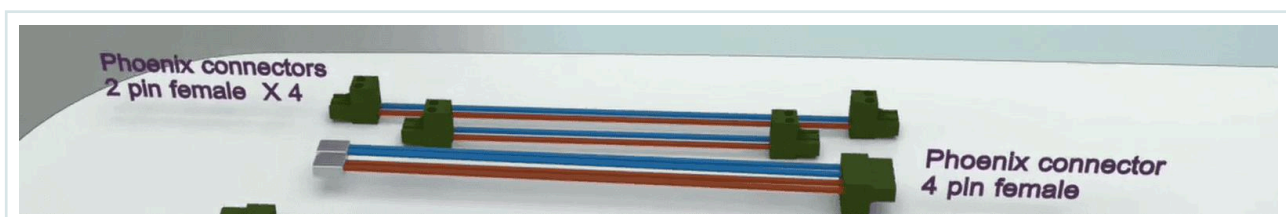


Figure 1

Current connectors

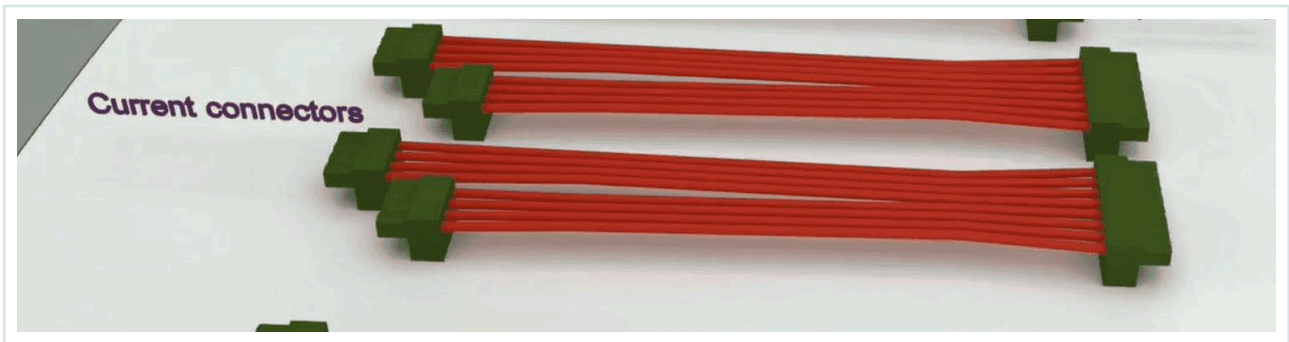


Figure 2

Voltage connectors

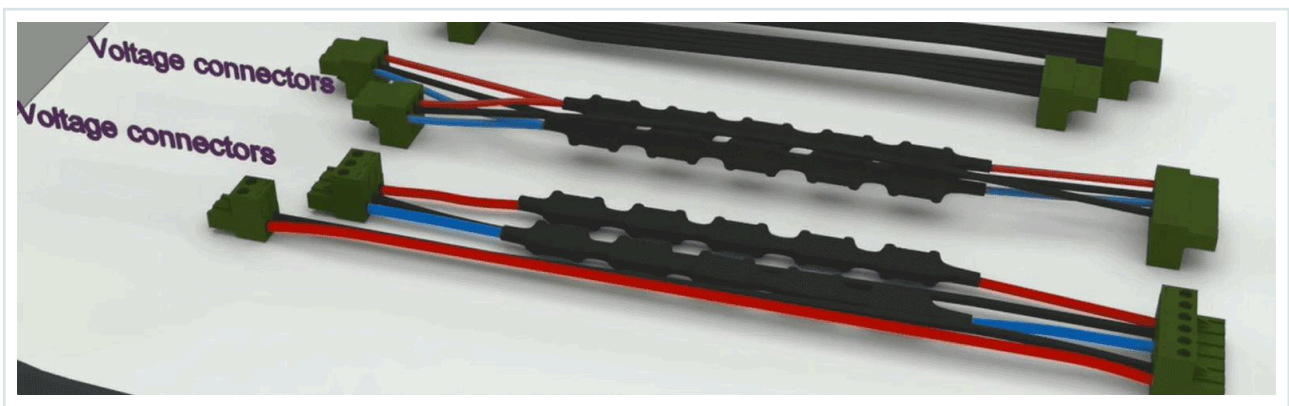


Figure 3

Ribbon cables



Figure 4

Neutrik board

Back panel

Front panel

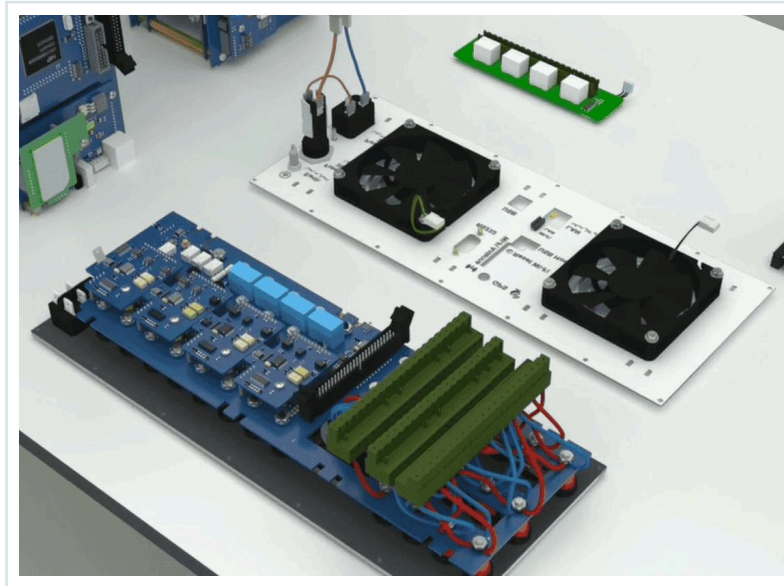


Figure 5

Switching module

Complete side of switching module



Figure 6

Incomplete side of switching module



Figure 7

Amplifier module

Complete side of amplifier module



Figure 8

Incomplete side of amplifier module



Figure 9

Case



Figure 10

To assemble the device, you must first install the back panel on the case. Stand the case in front of you, in a way that the power socket is on your right side. Connect one of the earth wires to the power socket and the other one to the earth socket.

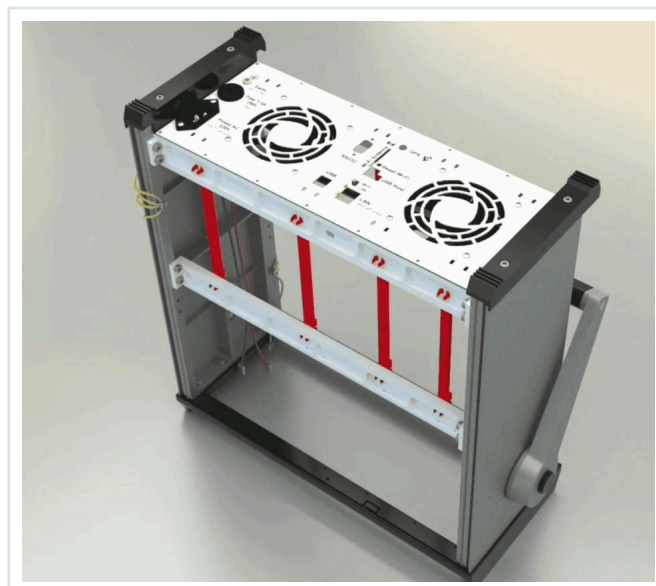


Figure 11



Figure 12

1 Placing the amplifier module in the case

The amplifier module is placed into the case where the racks are less spaced (opposite to the input power socket).

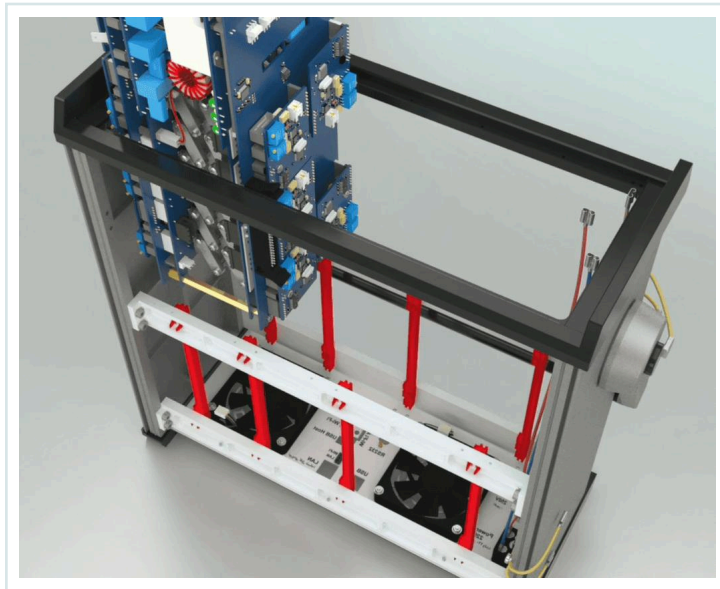


Figure 13

The complete side of the amplifier goes to the case wall. The edges of the module should be placed inside the 4 racks.

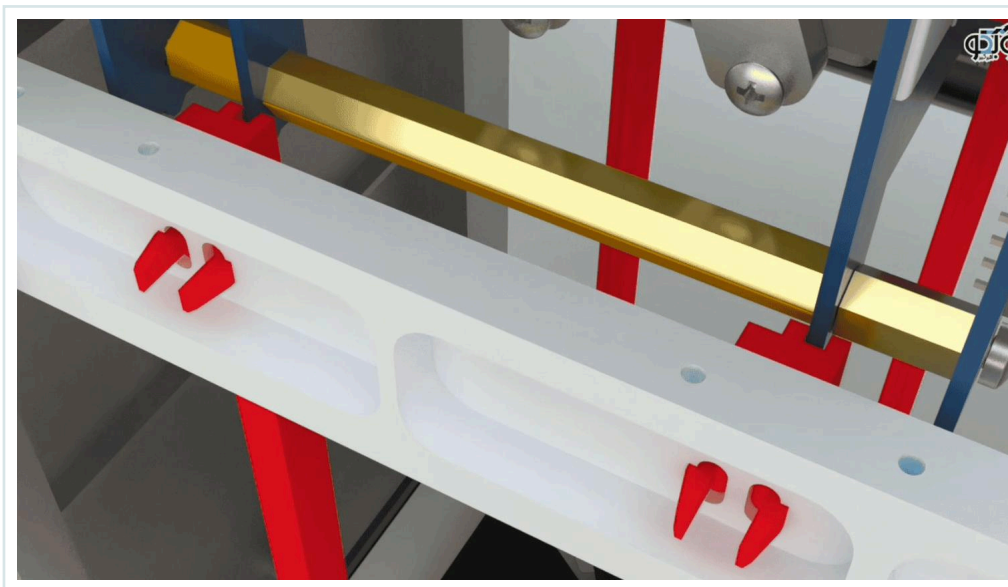


Figure 14

2 Connecting the socket of fan to the amplifier module

Insert the module up to 5 cm to the end of the case, then take the fan wire from the back of the Spacer and connect the socket to the amplifier then push the module to the bottom of the case.

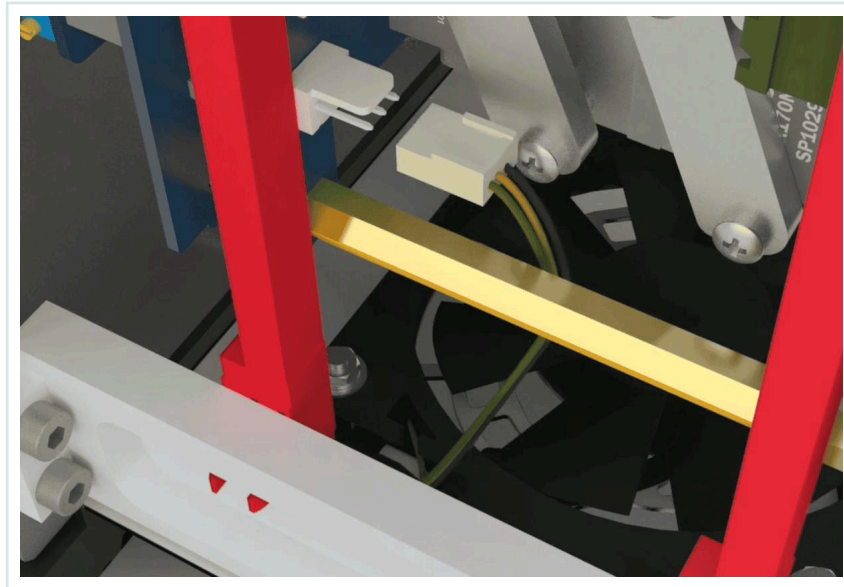


Figure 15

Note: make sure that the fan wire is not under any modules or inside the fan.

3 Position of amplifier module inside the case

The incomplete side of the switching module (the one that only has a command board) should be on the side of the case's wall, so that the Ethernet, USB, RS232, Wi-Fi and GPS ports are downward and placed in the rear panel.

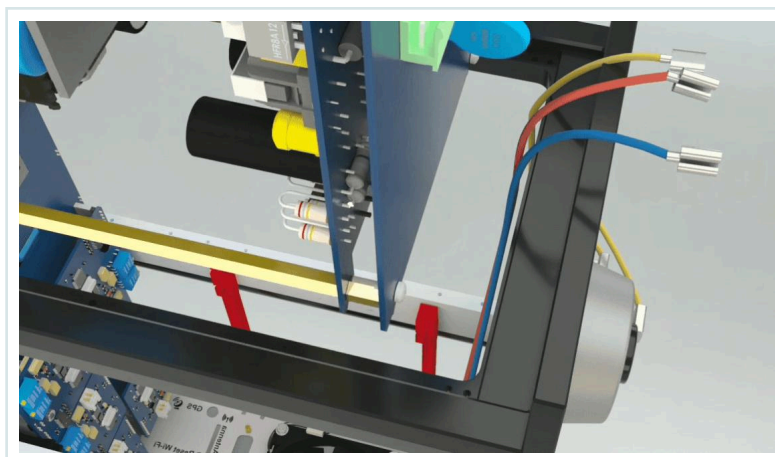


Figure 16

4 Connecting the socket of fan to the switching module

Insert the module up to 5 cm to the end of the case, then take the fan wire from the back of the Spacer and connect the socket to the switching module finally push the module to the bottom of the case.

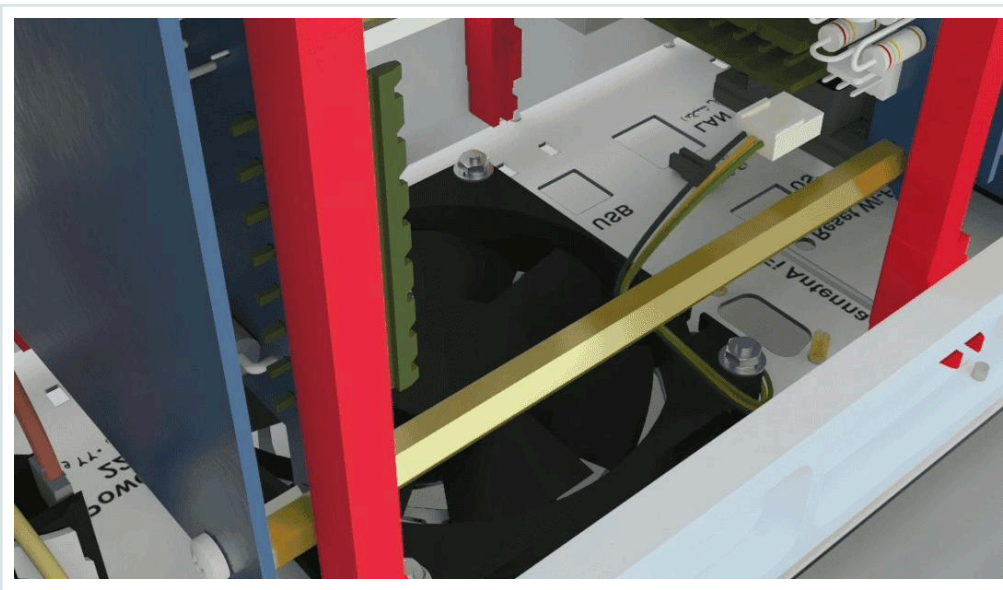


Figure 17

5 Complete fitting of the switching module

By shaking the GPS port, the switching module must be fully placed at the bottom of the case.

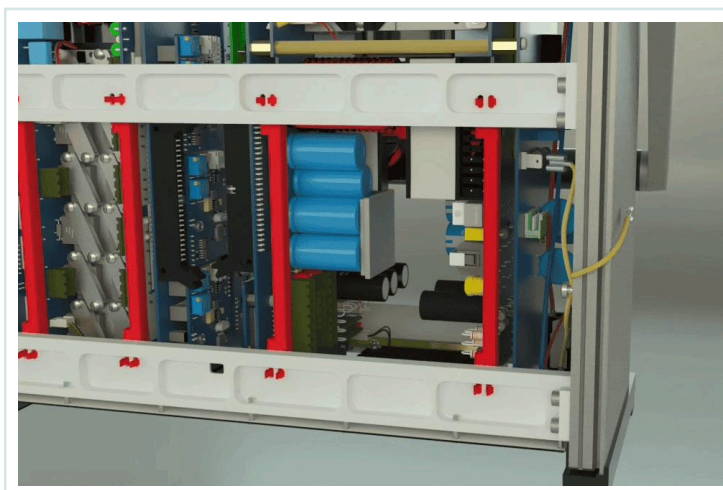


Figure 18

Ethernet and USB socket must be 1 to 2 mm away from the back of the case. If the socket of the Ethernet and USB are stuck, In case ports are stuck shaking them allows them to come out from the back panel.

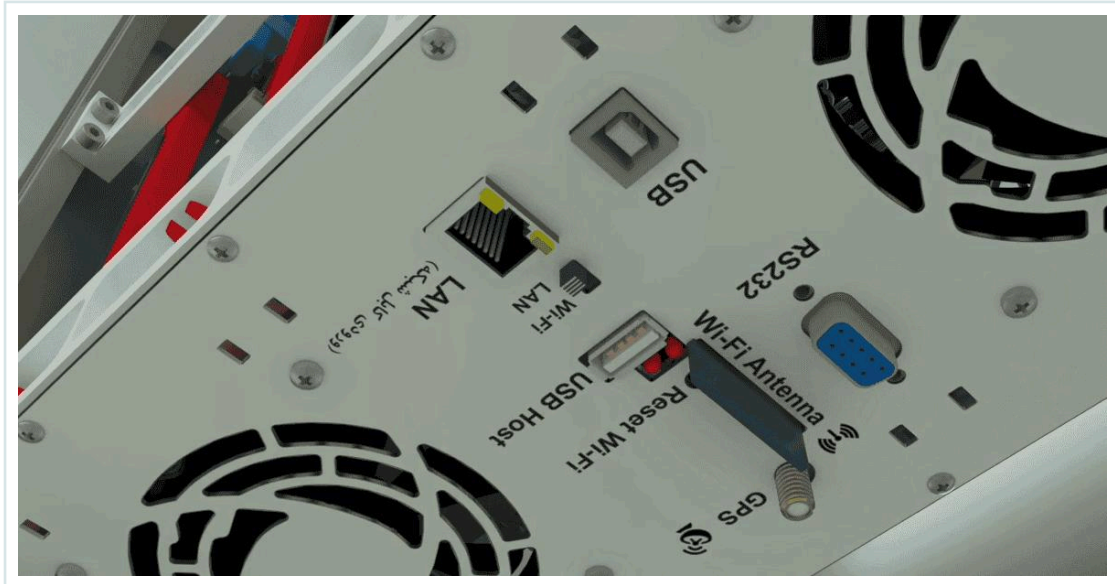


Figure 19

Note: make sure that the fan wire is not under any modules or inside the fan.

6 Installing the front panel

Before installing the front panel, check that the varnished wire connected to the back panel is completely straight.

Connect the two heads of wires that come from the back panel to the zero side of the power switch on the panel.

The guards must be faced outwards so that they can be easily opened.

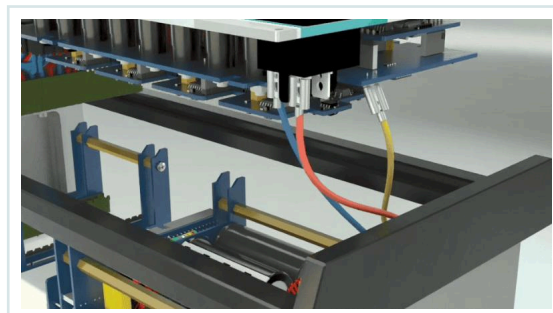


Figure 20

First, connect two 2 pin female Phoenix connectors to the incomplete board of the switching modules. Connect the other side to the switching modules.

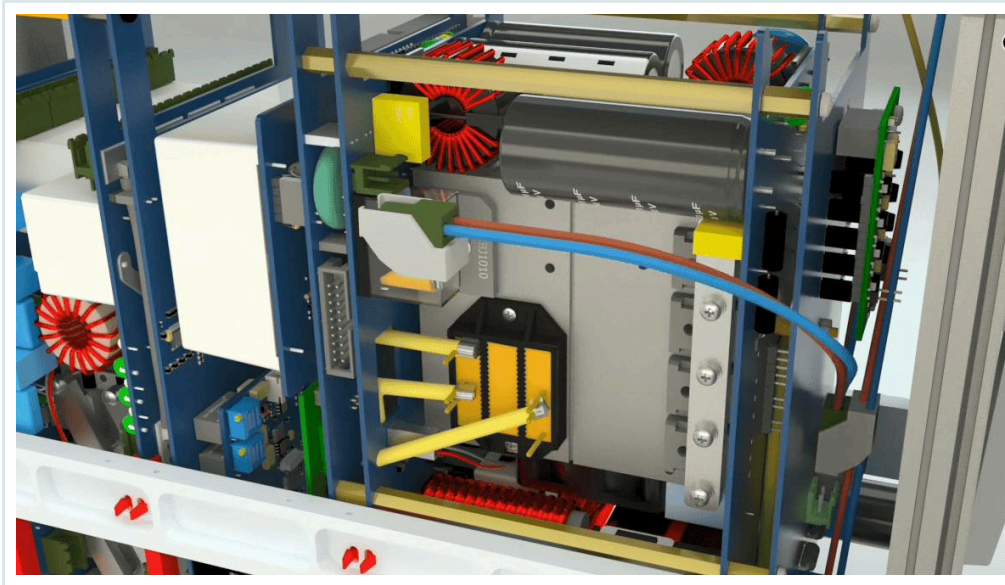


Figure 21

Connect one side of the corresponding power cord to 1 key and connect the Phoenix side to the incomplete switching switchboard.

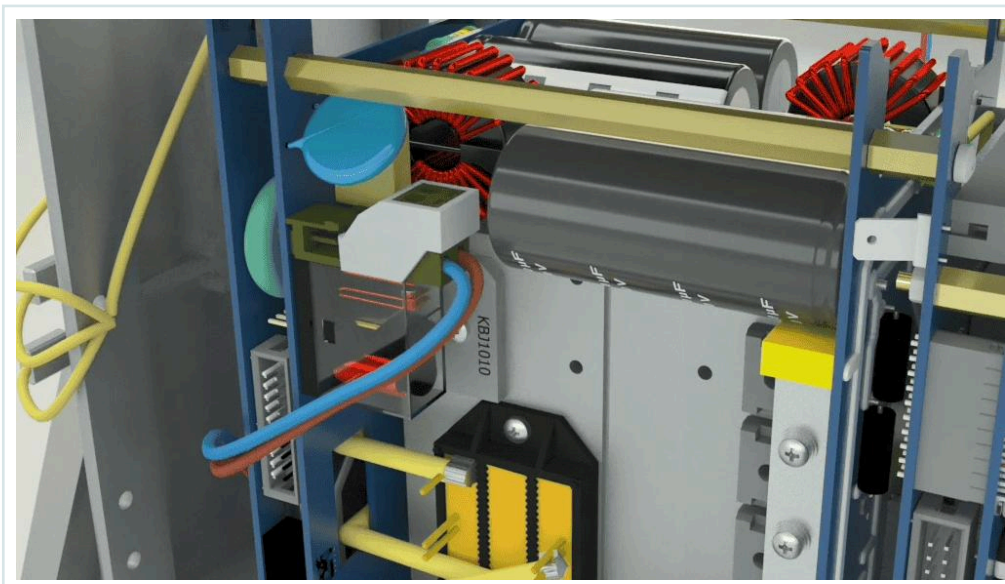


Figure 22



Figure 23

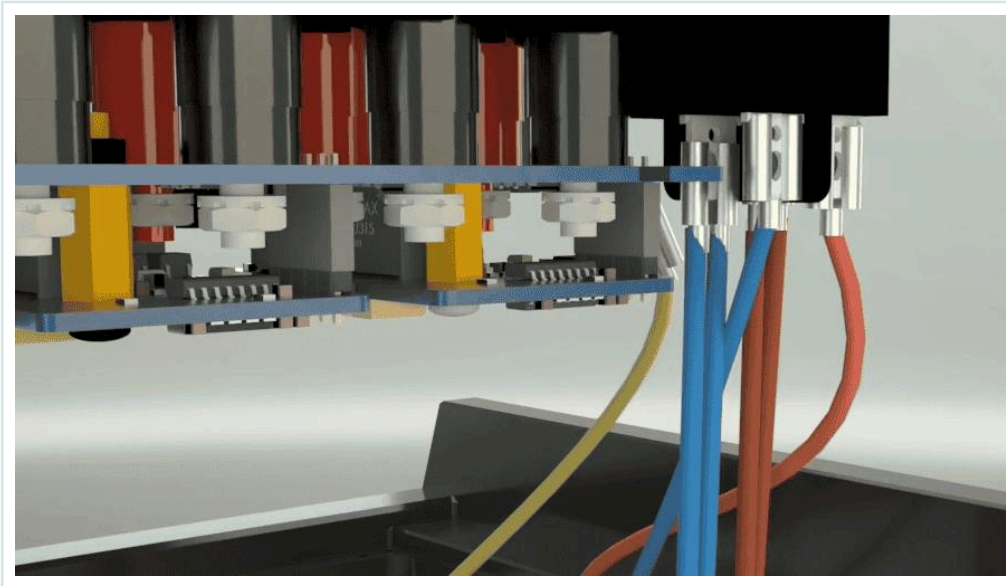


Figure 24

First, on the left side, connect the corresponding Phoenixes to the amplifier. You should first connect the two 16 pin Phoenixes and then connect the two 5 pin Phoenixes.

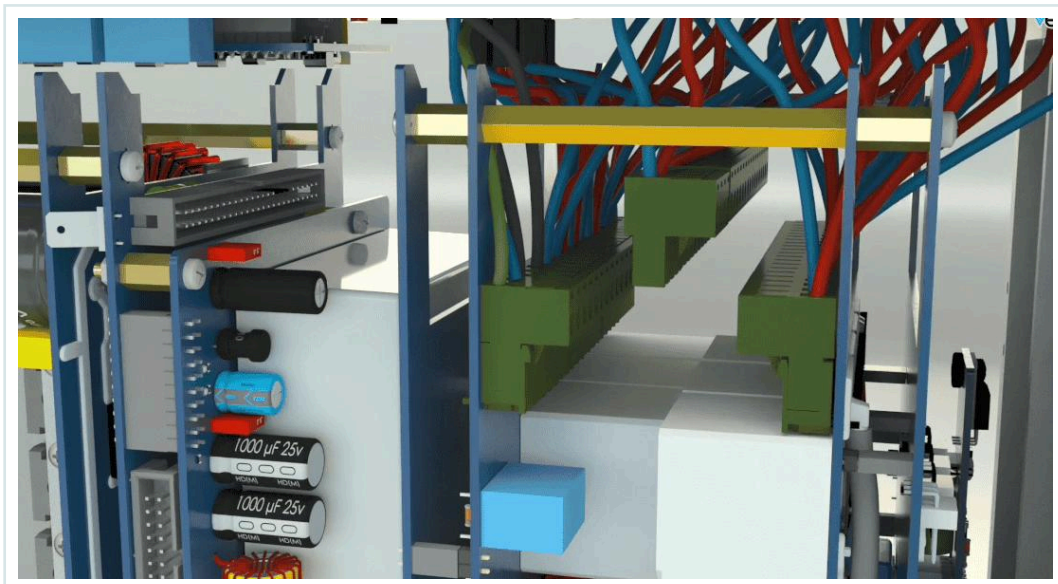


Figure 25

Then install the appropriate phoenixes to the right side of the amplifier.



Figure 26

7 Connecting the Neutrik Board

First, turn the device in a way that its socket is to your left and the Neutrik board is placed between the amplifier phoenixes so that its socket is to your right. The socket connects to the complete board of amplifier.

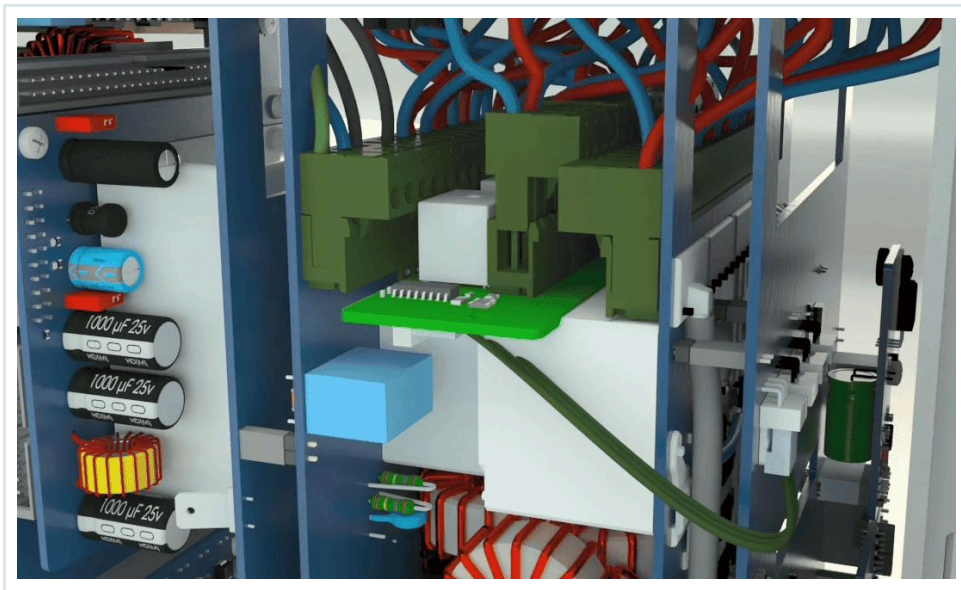


Figure 27

8 Complete Installing at front panel

The holder is placed half way on the 6 pin Phoenix voltage connectors. Connecting the voltage 6 pin Phoenix on which the holder is placed to the switching and put the holder in place.

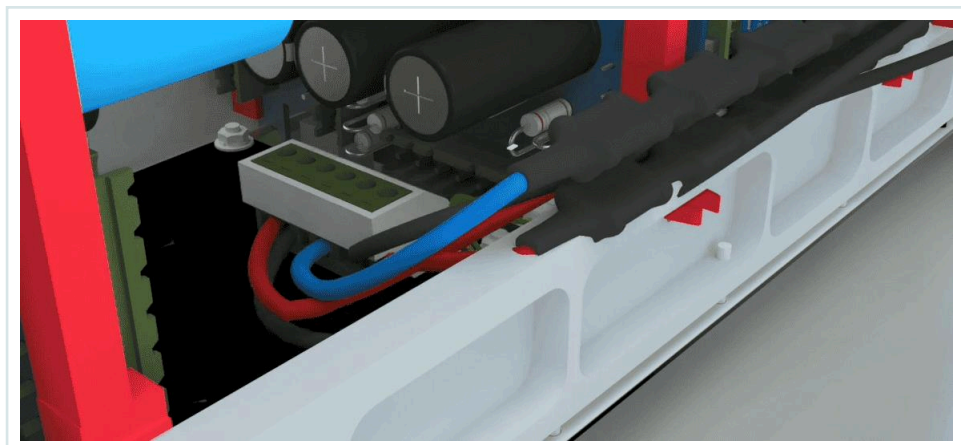


Figure 28

9 Connecting the voltage connectors to the incomplete side of amplifier

2 pin female Phoenix connectors with shorter wires) red and black) should be connected to the upper 2 pin male Phoenix connectors.



Figure 29

3 pin female Phoenix connectors with shorter wires) red, black and blue (should be connected to the lower 3 pin male Phoenix connectors.

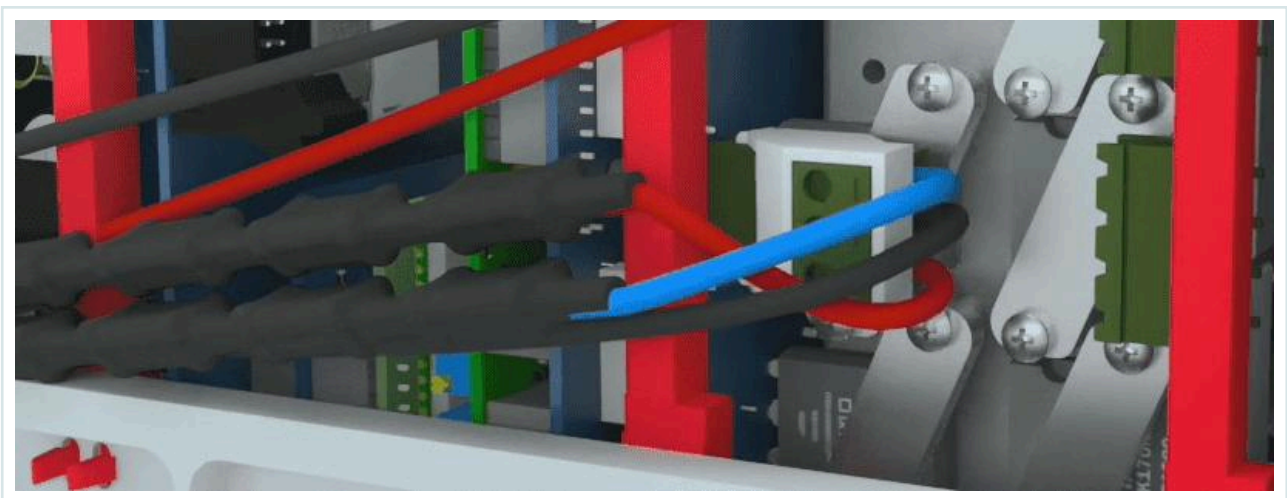


Figure 30

Tip: Before placing the phoenixes on the amplifier, place the corresponding holders on phoenixes.

10 Connecting the current connectors to the incomplete side of switching

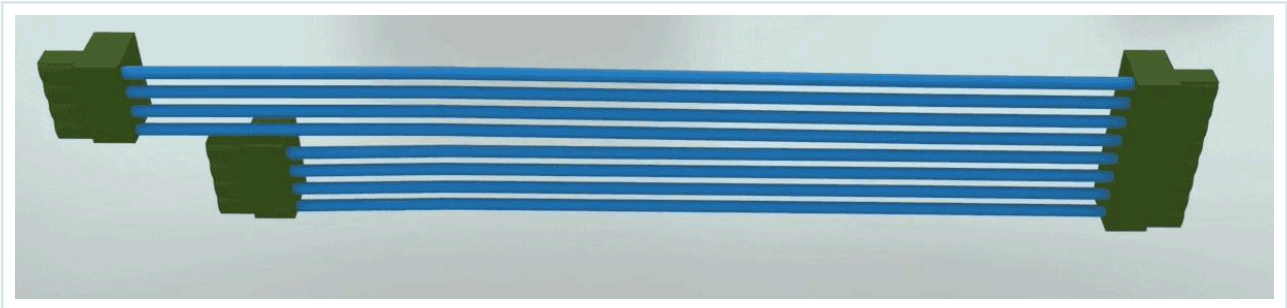


Figure 31

First, put a holder on the 8 pin current Phoenix (blue wire) and connect the internal 8 pin Phoenix to the incomplete switching board.

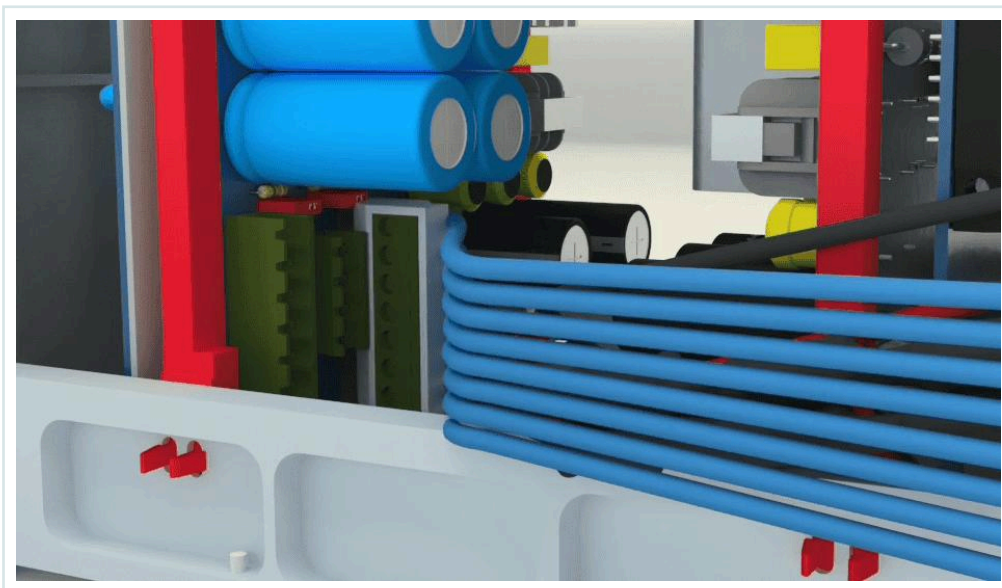


Figure 32

Connect the 4 pin blue longer Phoenix holder to the second male Phoenix from the bottom. Connect the 4 pin blue shorter Phoenix holder to the first male Phoenix from the bottom.



Figure 33

Put a holder on the 4 pin current Phoenix (black wire) and connect it to the incomplete switching board. Connect the 4 pin black male Phoenix to the first male Phoenix from the top.

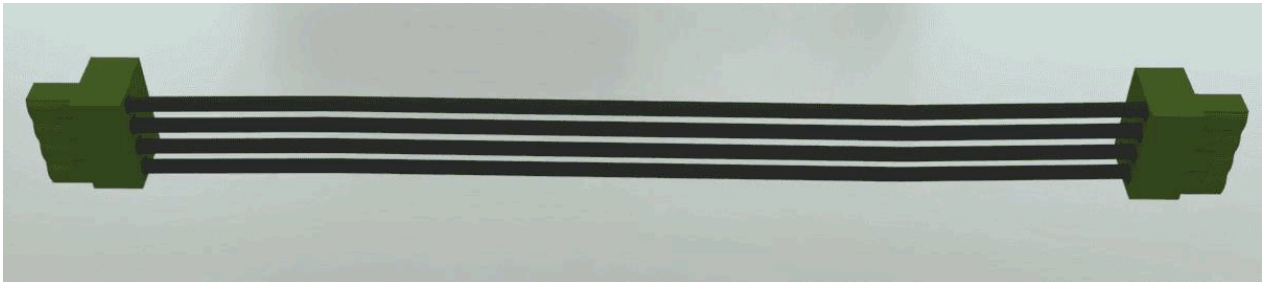


Figure 34

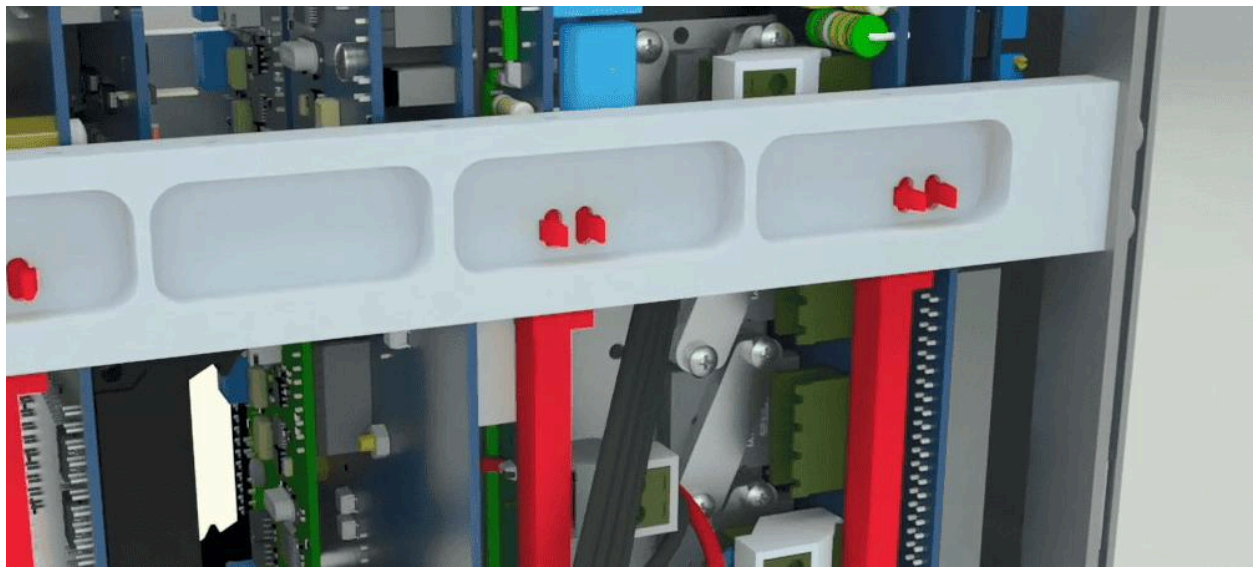


Figure 35

Put an 8 pin Phoenix (red wire) current and connect it to the 8 pin male Phoenix of the incomplete switching board.

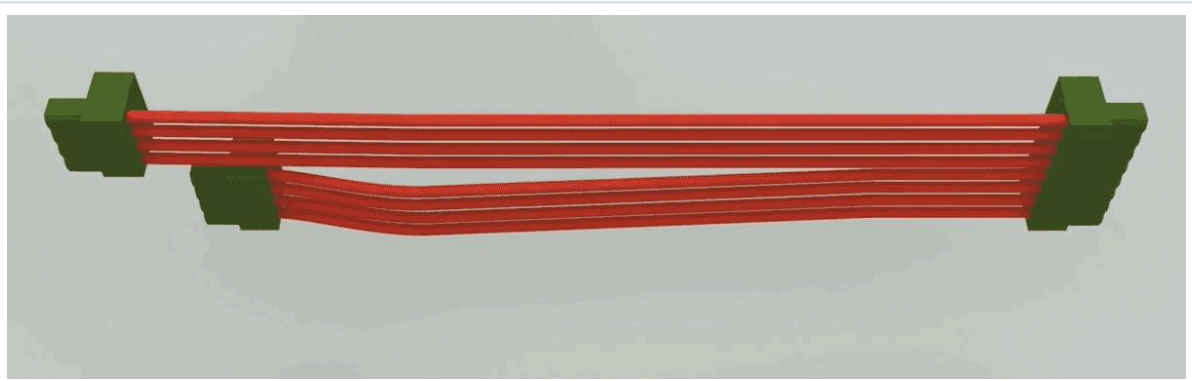


Figure 36

Connect the 4 pin female Phoenix with longer red wire holder to the second male Phoenix from the top. Connect the 4 pin female Phoenix with a shorter red wire holder to the third male Phoenix from the top. Then assemble all the current and voltage wires with a cable tie wrap.

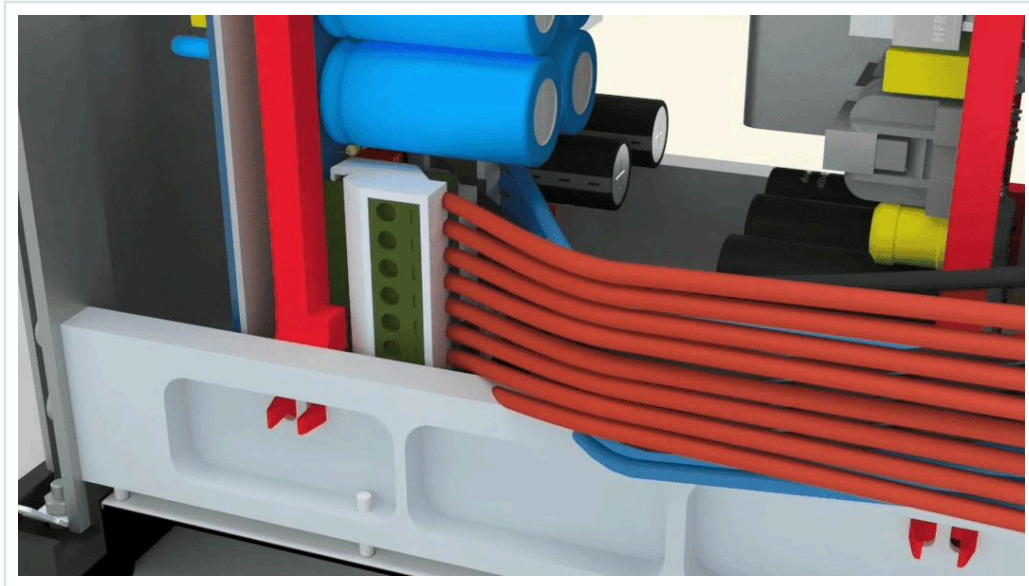


Figure 37



Figure 38

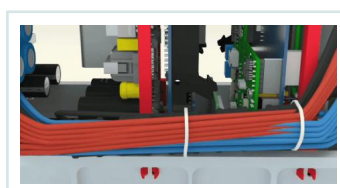


Figure 39

11 Closing a 16 cm 25 * 2 ribbon cable (both sides without a guard)

This ribbon cable connects the entire side of the switching range to the full range of the amplifier.

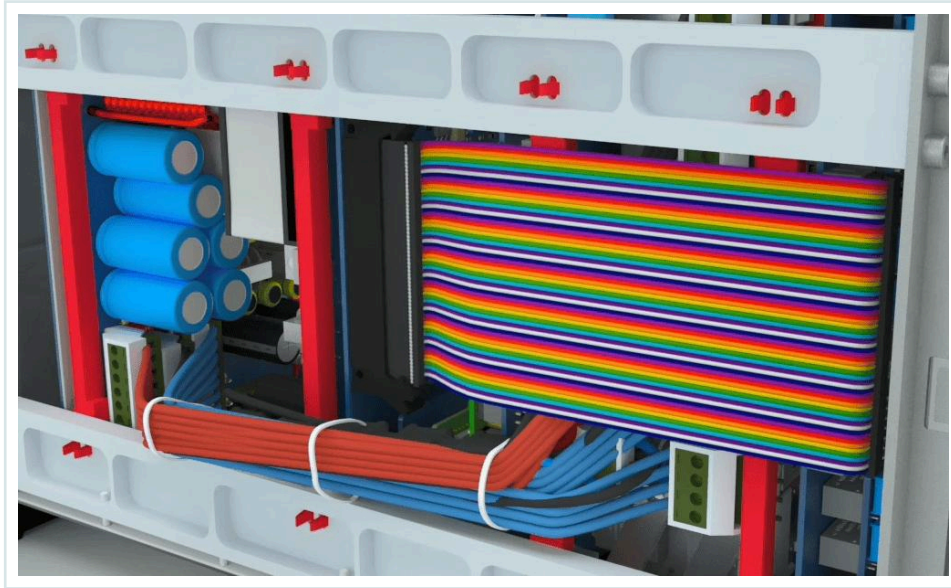


Figure 40

Connect the holder from one side to the IDC and connect it to the IDC by using a screwdriver or one forceps.

12 Connecting a 15 cm 2*10 Ribbon Cable

Connect the incomplete cable to the complete side of the switching module.

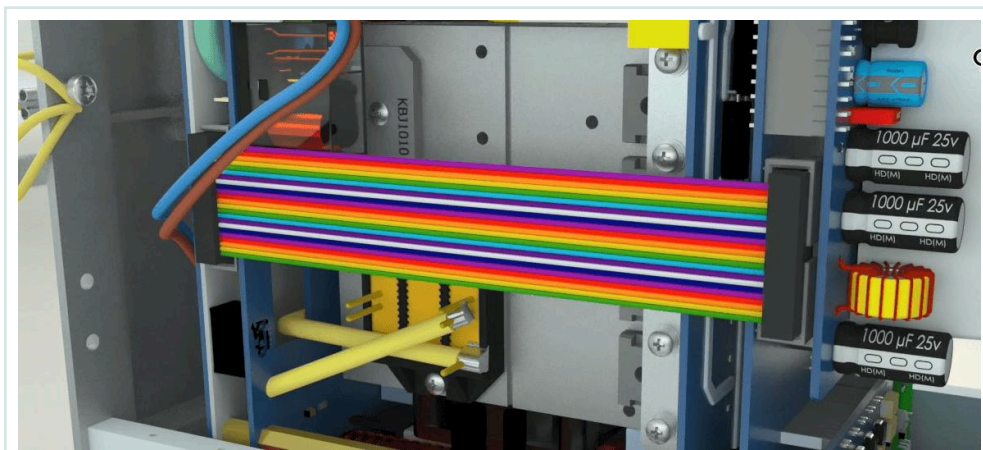


Figure 41

Holders must be placed on the rails and the two slots embedded on them should be placed on the module and the original board. Each holder is closed and tightened by 2 screws 16.5×2 soaked in a special screw along with a ribbon gasket on the holder and middle rails.

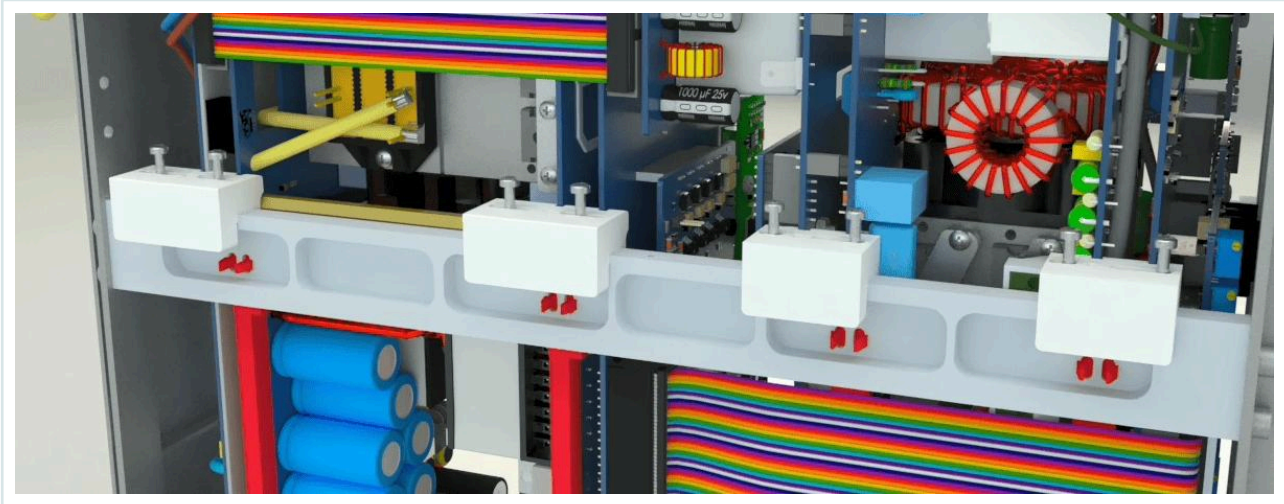


Figure 42

Place the micro holder on the middle rail on the one side and its two pins must be placed on the lower rails of the case on the other side.

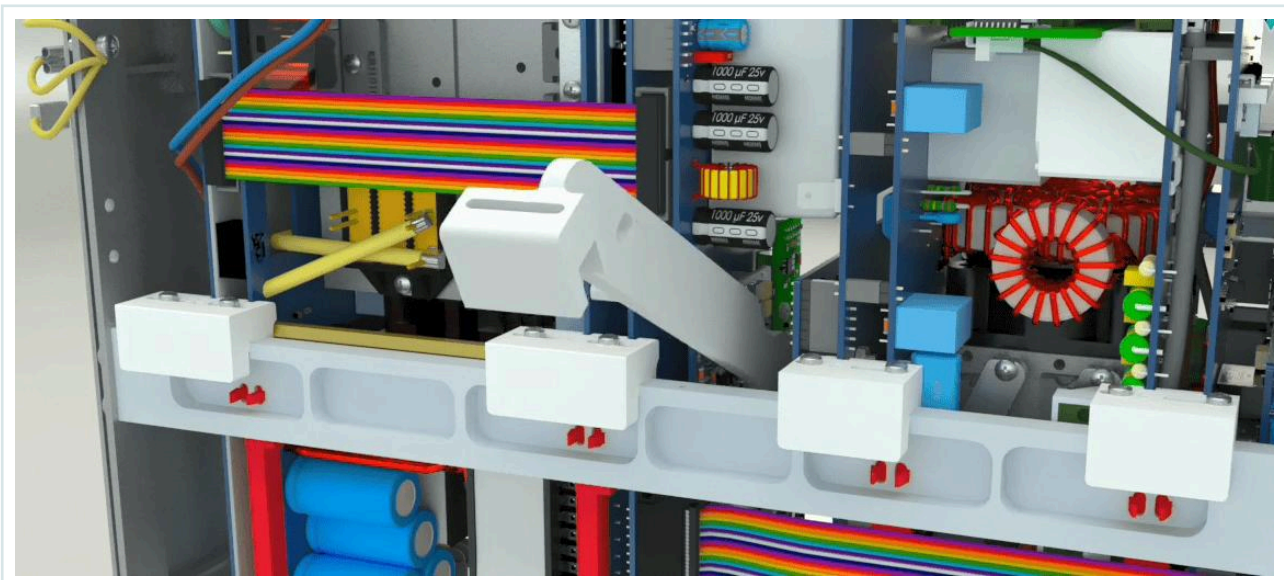


Figure 43

This holder is connected to the body of the case from one side using bolts, nuts and 8×4 flat washers. The slots embedded on this holder, on the other side, are connected to the amplifier and the neutrik board. The neutrik board on this holder is fastened by a special glued 8×3nut to a bolt and a

spring washer.

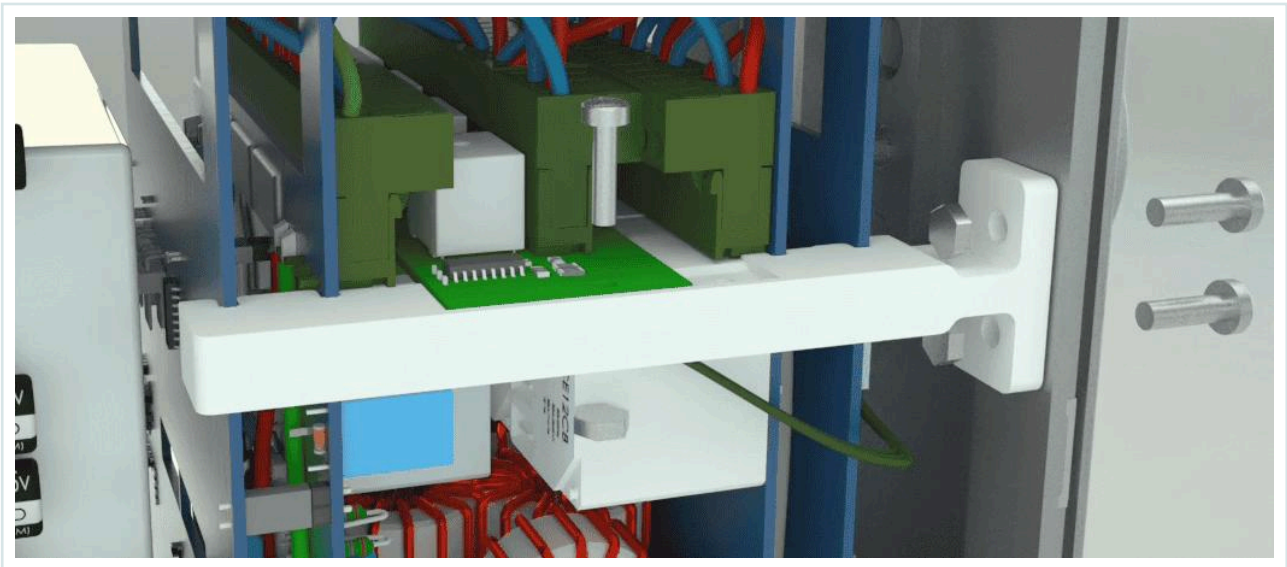


Figure 44

This holder is connected to the wall of the case on one side and connected to the body of the case using bolts, screw washers, and a 8×4 flat. The other side is connected to the module and main switching.



Figure 45

13 Installation of 10 * 2 IDC holders of 10 * 2 15 cm ribbon cable

Place the 2*10 holder on a ribbon cable and push it slightly towards the IDC.

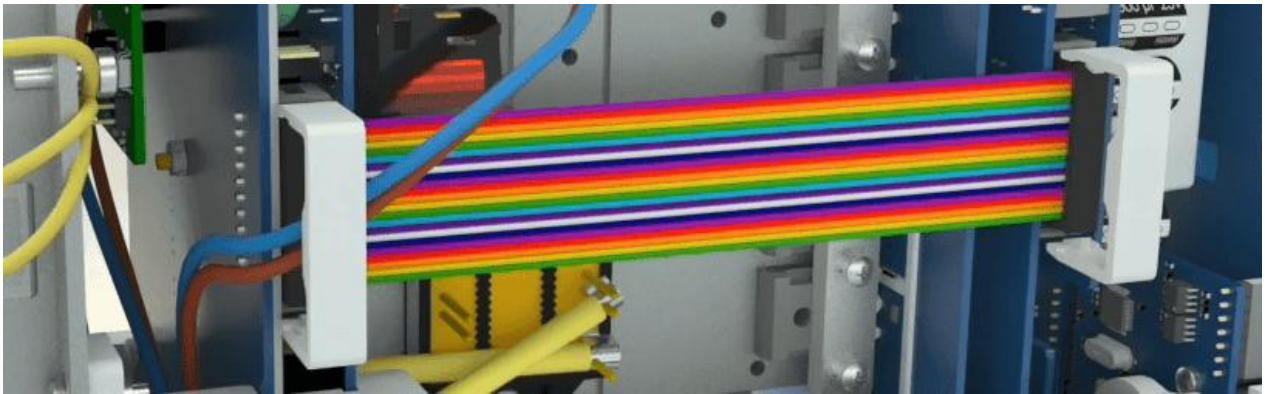


Figure 46

14 Connecting the Earth wires

The 2 connected wires to the case must be connected to the complete switching module and the incomplete side of the amplifier module.

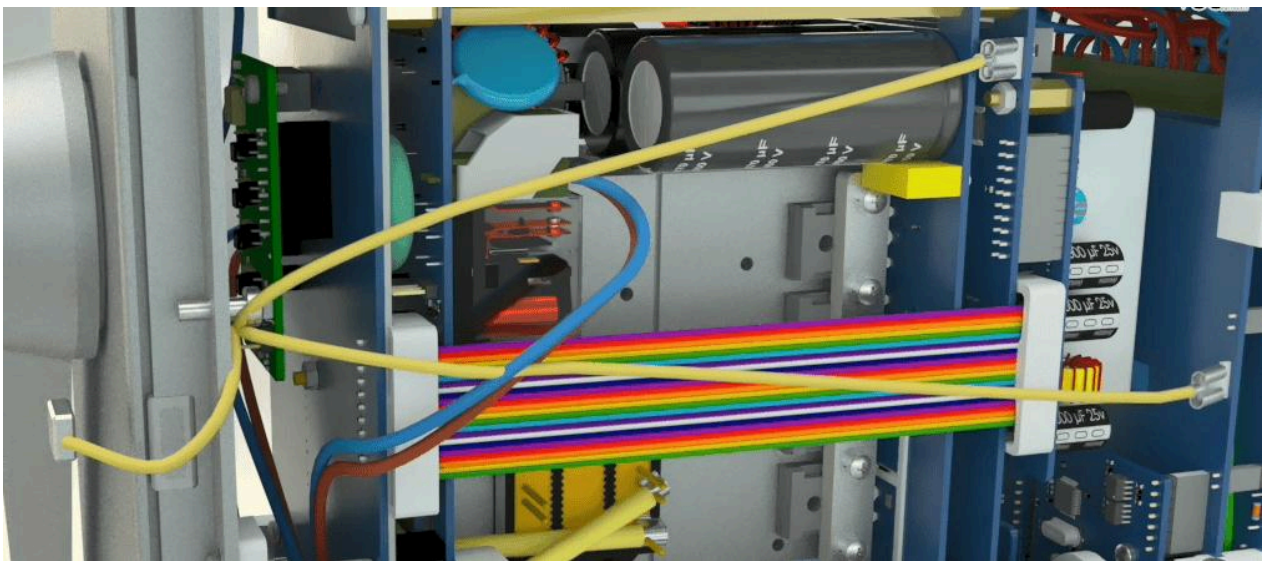


Figure 47

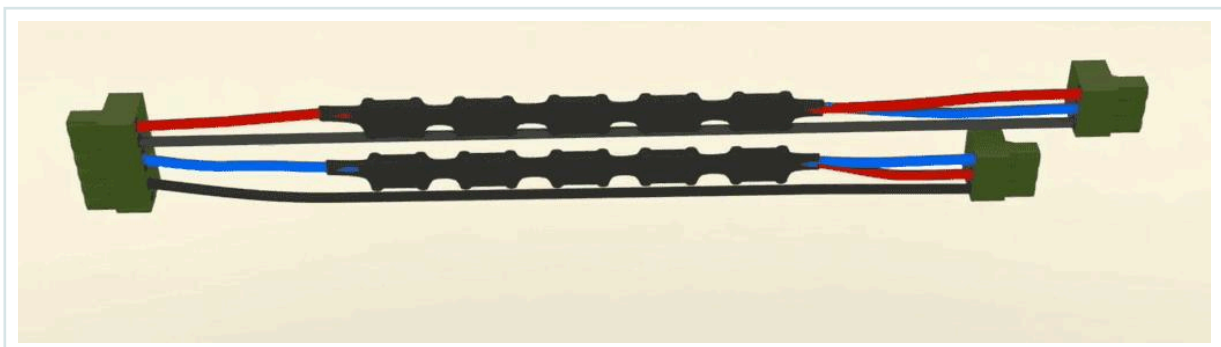


Figure 48

Connect the 6 pin Phoenix voltage cable on the holder to the switching module and put the holder in its place.

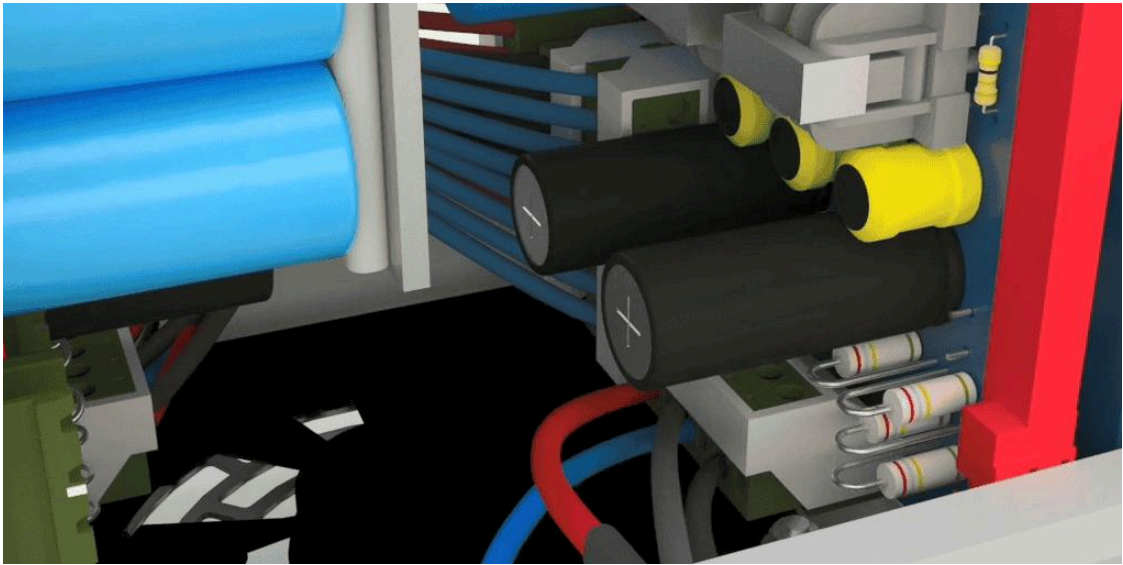


Figure 49

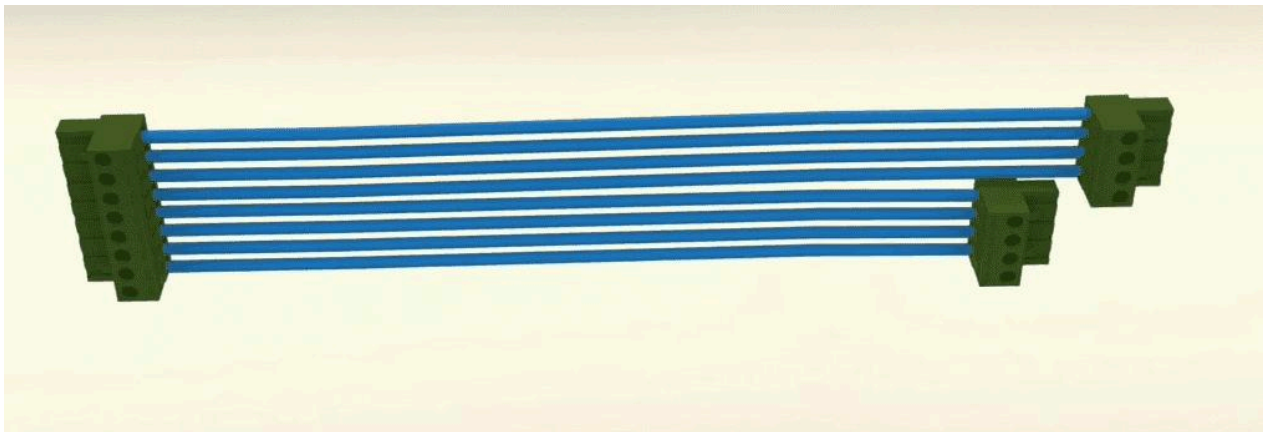


Figure 50

First, connect the 8 pin black Phoenix wire with its holder to the complete switching module.

Then connect the 4 pin black Phoenix wire with its holder to the complete switching module.

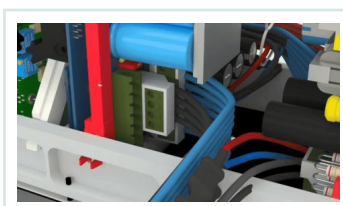


Figure 51

In the end, connect the 8 pin red Phoenix wire with its holder to the complete switching module.

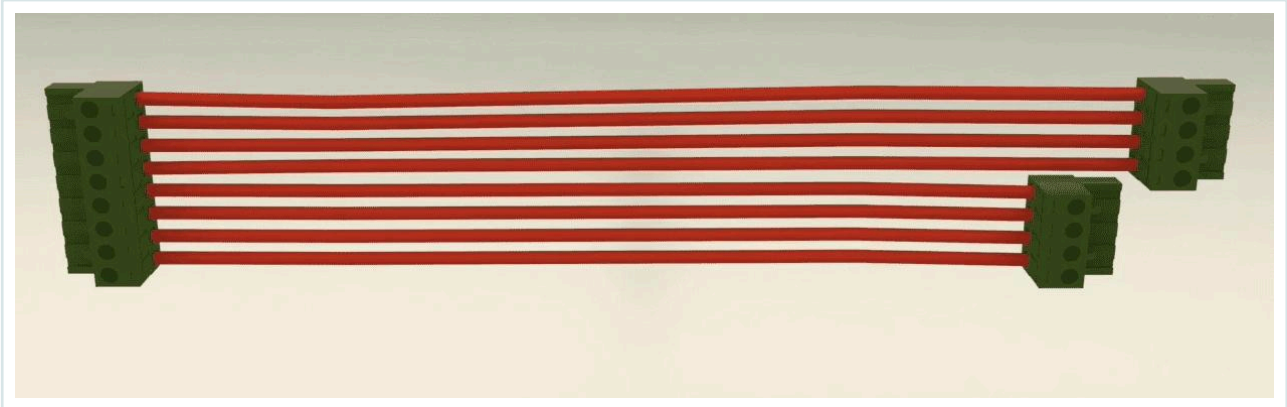


Figure 52

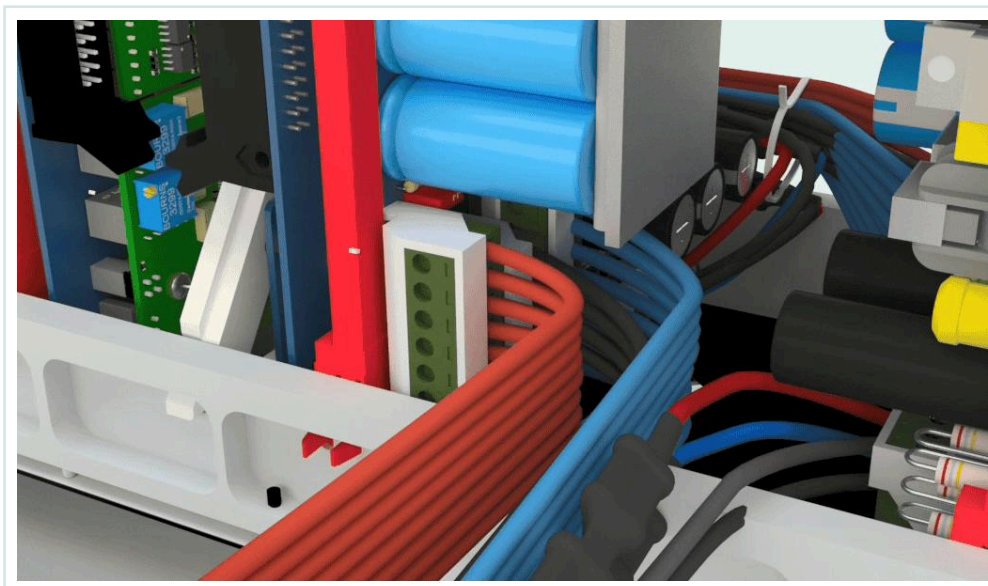


Figure 53

The female Phoenix connector with a shorter wire on the holder should be connected to the lower 3 pin male Phoenix connector. The female Phoenix connector with a longer wire on the holder should be connected to the upper 3 pin male Phoenix connector.

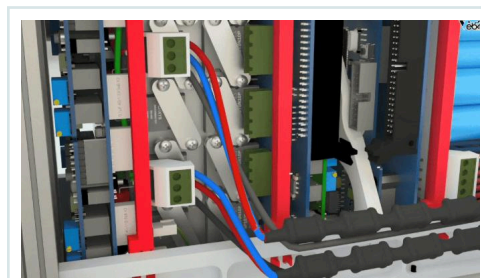


Figure 54

First, connect the 4 pin blue female Phoenix with longer wire on the holder to the second 4 pin male Phoenix connector from the bottom. Connect the 4 pin blue female Phoenix with shorter wire on the holder to the first 4 pin male Phoenix connector from the bottom.

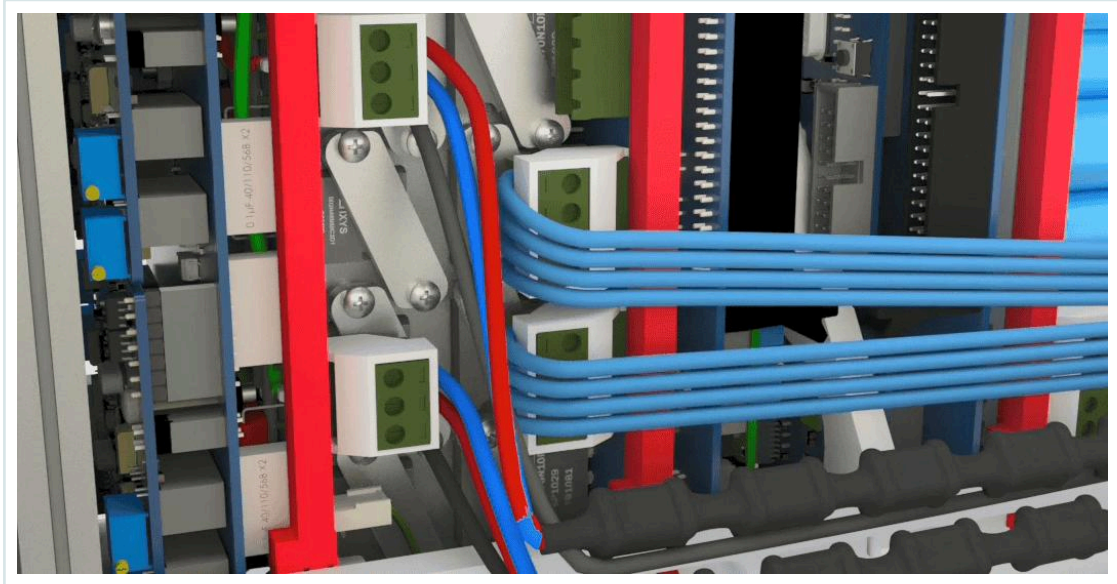


Figure 55

Connect the 4 pin black female Phoenix with shorter wire on the holder to the first 4 pin male Phoenix connector from the top. Connect the 4 pin red female Phoenix connector with longer wire on the holder to the second 4 pin male Phoenix connector from the top.

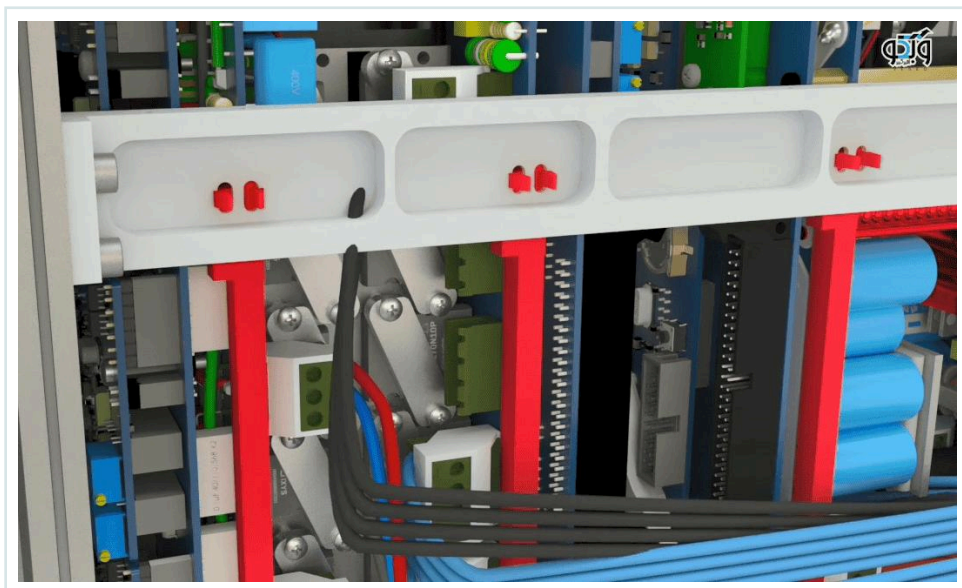


Figure 56

Connect the 4 pin red female Phoenix connector with shorter wire on the holder to the third 4 pin male Phoenix connector from the top.

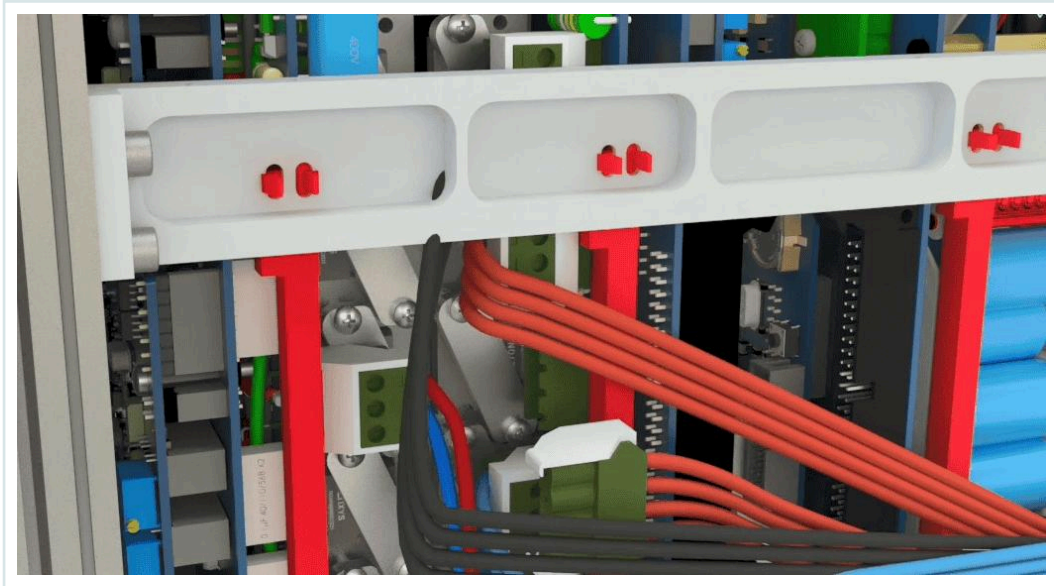


Figure 57

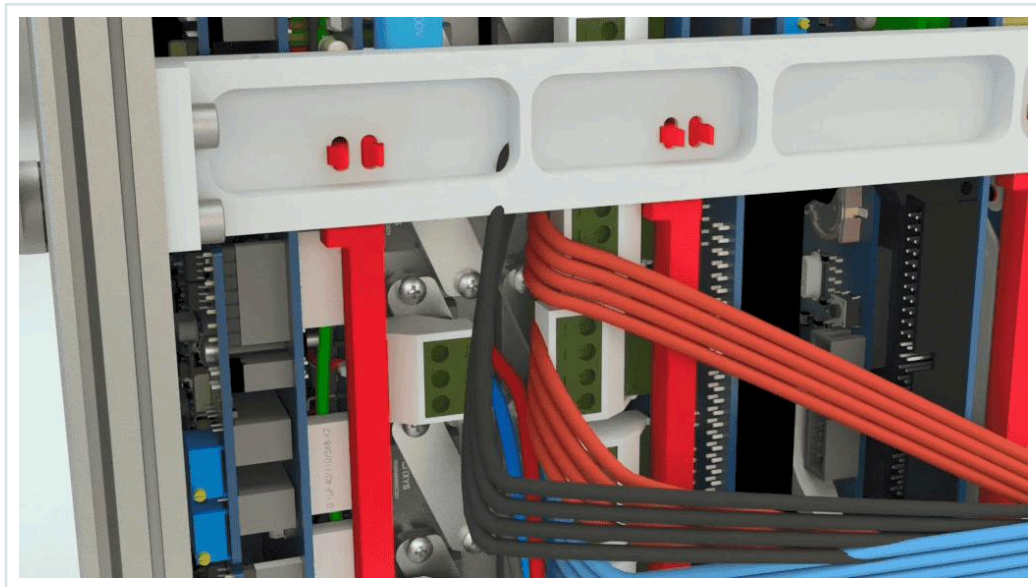


Figure 58

Then assemble all the current and voltage wires with a tie wrap.

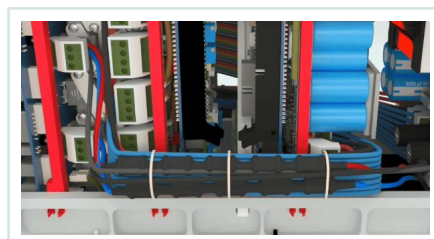


Figure 59

15 Connecting a 3.7 cm 25 * 2 ribbon cable of the front panel (one side without the guard and the other side of the guard)

The connector of this cable is approximately in the middle and below the front panel. First, connect the switching side to the switching module, then attach the uncompressed part to the IDC Latch on the panel and close the guards.

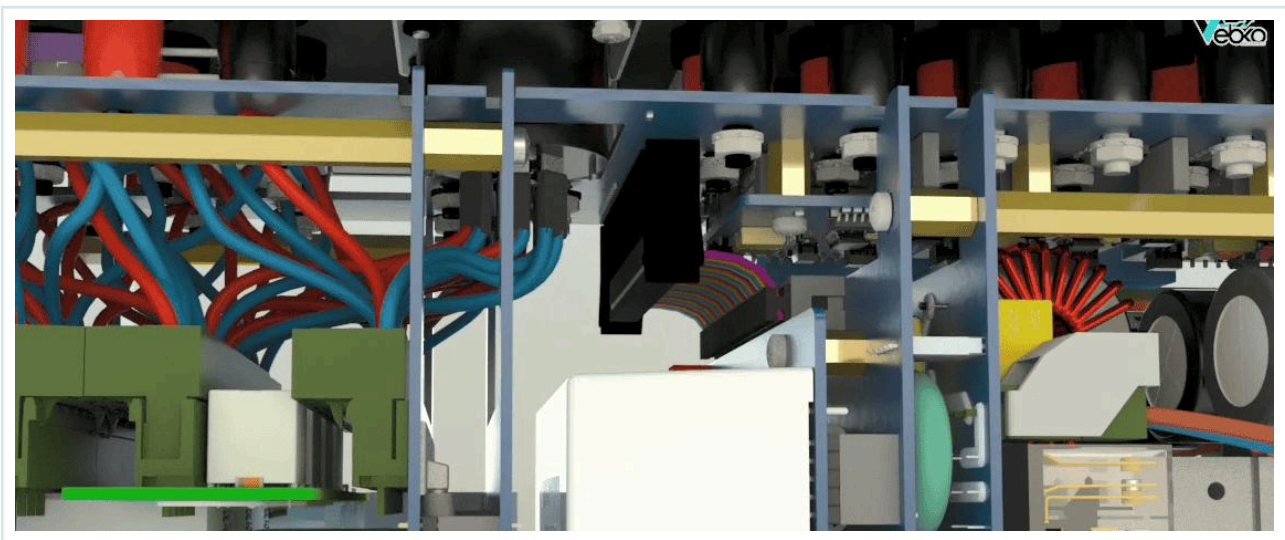


Figure 60

16 How to connect the IDC flat cable holder to the front panel cable

On IDC connected to the switching module, install a high legged holder IDC and connect the two sides of the holder base to both sides of the IDC.

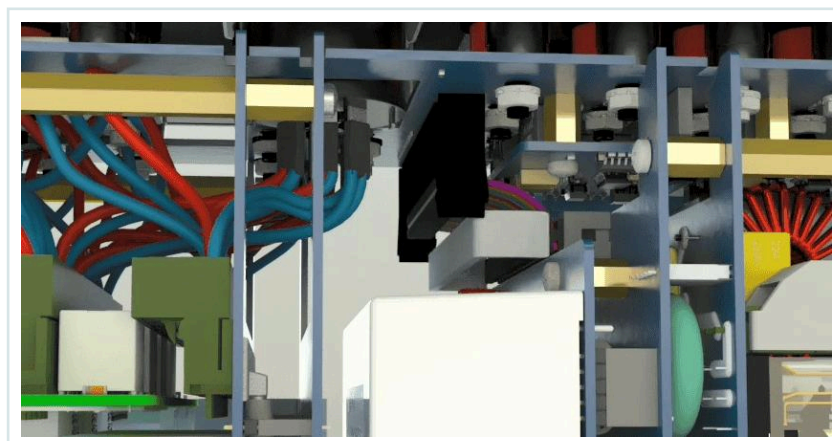


Figure 61

When connecting the ribbon cable, pay attention to the IDC cable and the groove on the IDC modules.

- 17 This flange cable connects the full side of the switching module to the incomplete amplifier module.**



Figure 62

Holders must be placed on the rails and the two slots embedded on them should be placed on the module and the original board. Each holder is closed and tightened by 2 screws 16.5×2 soaked in a special screw glue along with a flat washer on the holder and middle rails.

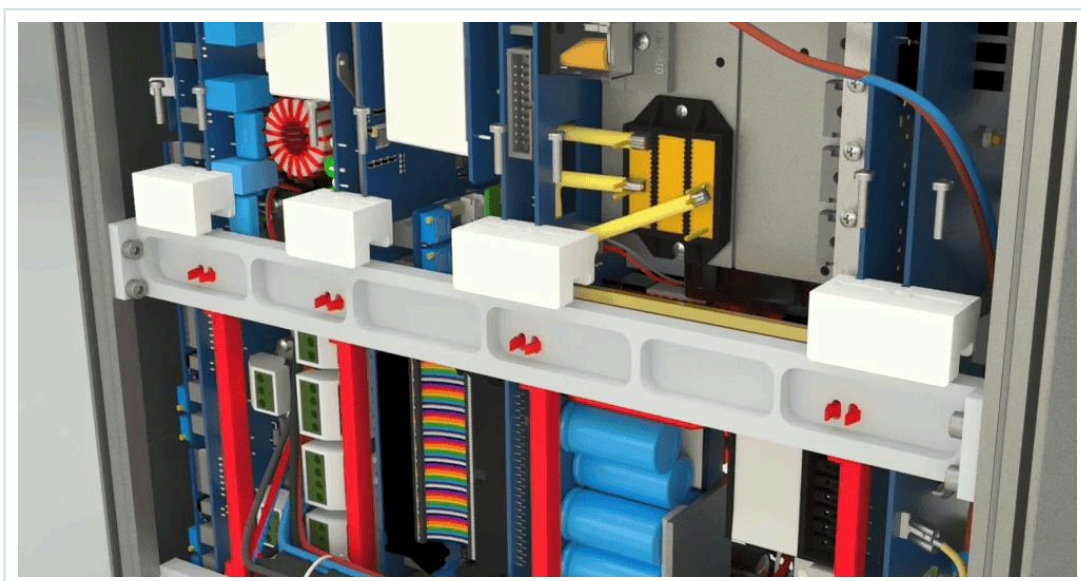


Figure 63

18 Installing the holder of the module board and main switching

This holder is connected to the wall of the case on one side and connected to the body of the case using bolts, screw and flat washers and an 8×4 flat. The other side is connected to the module and main switching.

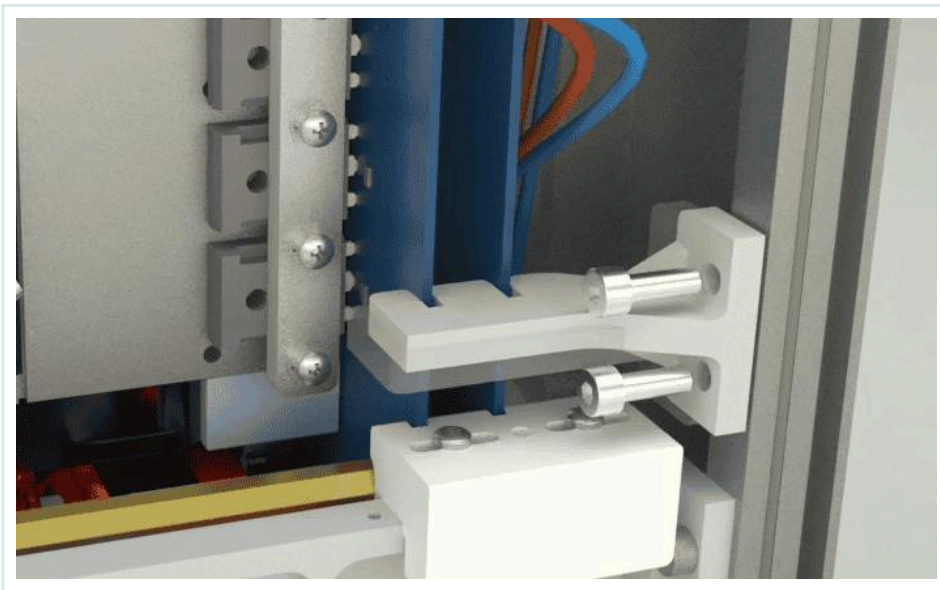


Figure 64

19 Placing the amplifier holder and neutrik board

This holder is connected to the body of the case from one side using bolts, nuts and 8×4 flat washers. The slots embedded on this holder, on the other side, are connected to the amplifier and the neutrik board. The neutrik board on this holder is fastened by a special glued 8×3nut to a bolt and a spring washer. Turnover the device on in a way that the back panel is facing upwards.

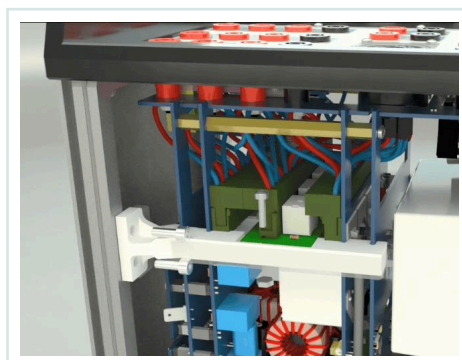


Figure 65

20 Fasten two screws on RS232 socket

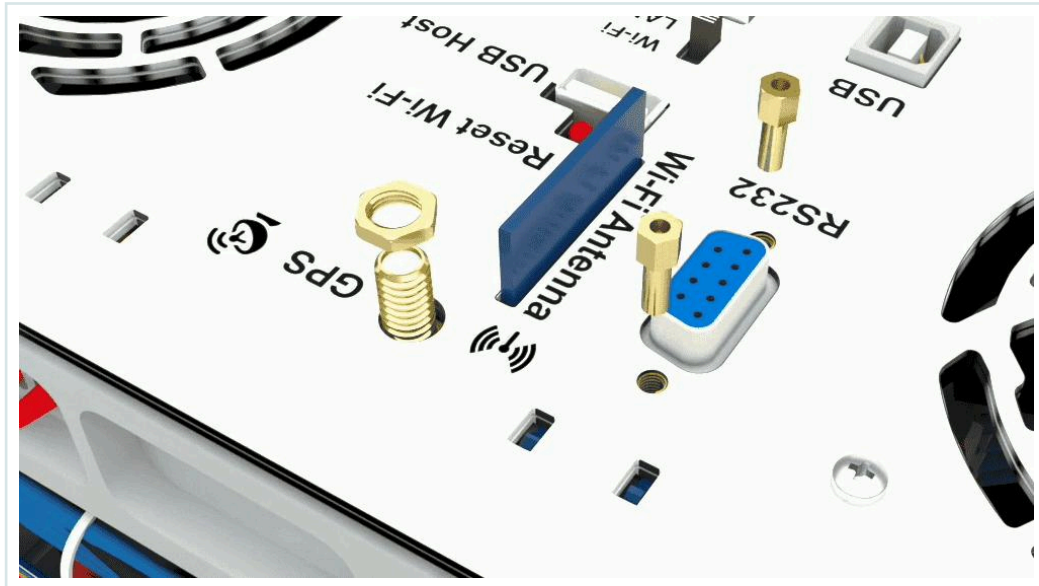


Figure 66

21 Closing Doors

The door with four legs must be installed underneath the device and the leg-less door is installed on the top. Place the walls in the lower grooves (grooves are on the front panel frame).

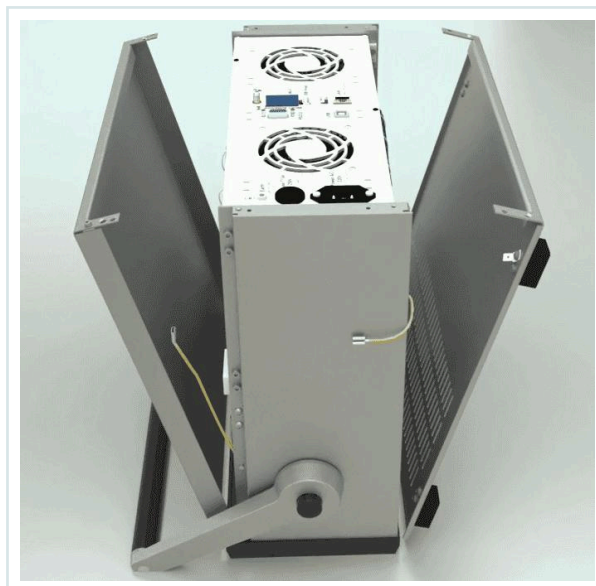


Figure 67

22 Connecting the earth wires to the doors of the device

On both sides of the case, two long earth wires have been attached to the body. Connect each side to its door, pull the wire a little with a small force to make sure that they are tight and steady.



Figure 68

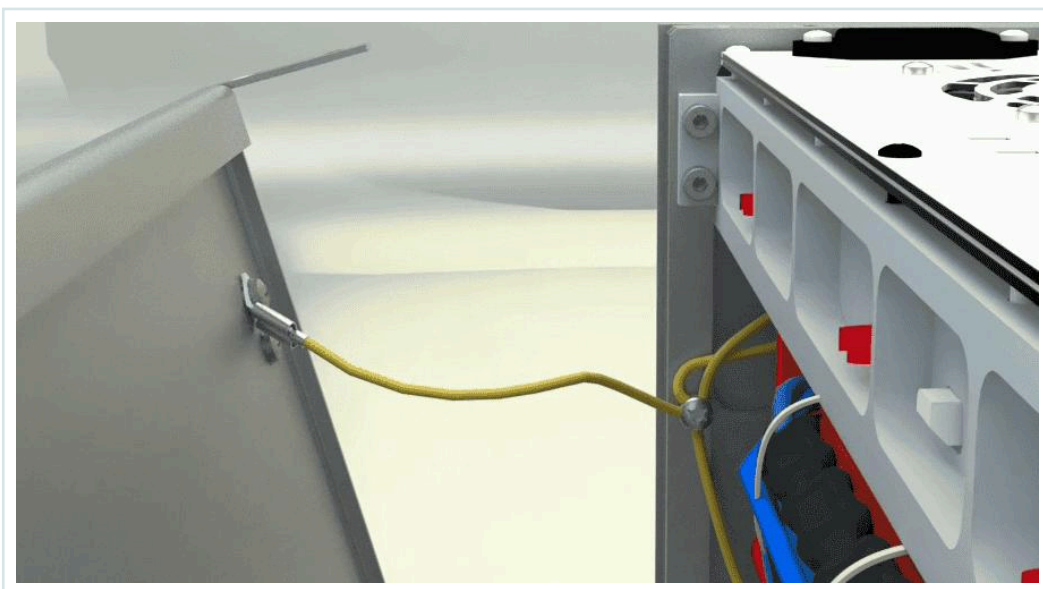


Figure 69

23 Close the doors completely

Place the doors and install the legs in place; two star screws must be tightened on each side. You need a star screwdriver to tighten the screws.



Figure 70

Assembling_Stages_of_AMT105_Tester