Technical Documentation

FAFNIR™

VISY-X

VISY-Command Web - Printer Retrofitting

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Table of Contents

1 Overview

VISY-Command Web is the evaluation unit **VISY-Command** with **SECON-Client display** for displaying (locally and remotely) the current tank data, delivery data and various alarms that are recorded by the **VISY-X system**. It can be expanded subsequently with an additional printer.

This manual describes how you can retrofit **the printer for the VISY-Command-Web.**

2   Scope of delivery

	Housing door with printer Pre-wired for: • Connection to the display • Connection to the service interface • Connection to the printer • Connection to the 12 V power supply unit (display) • Connection to the 5 V power supply unit (printer) • Grounding (display, printer and housing)
	5 VDC power supply for printer
	Supply cable 230 VAC
	Cable ties

3 Installation

3.1 Preparation

⚠️ *Disconnect the VISY-Command Web from power supply before opening the housing.*

Figure 1: VISY-Command Web
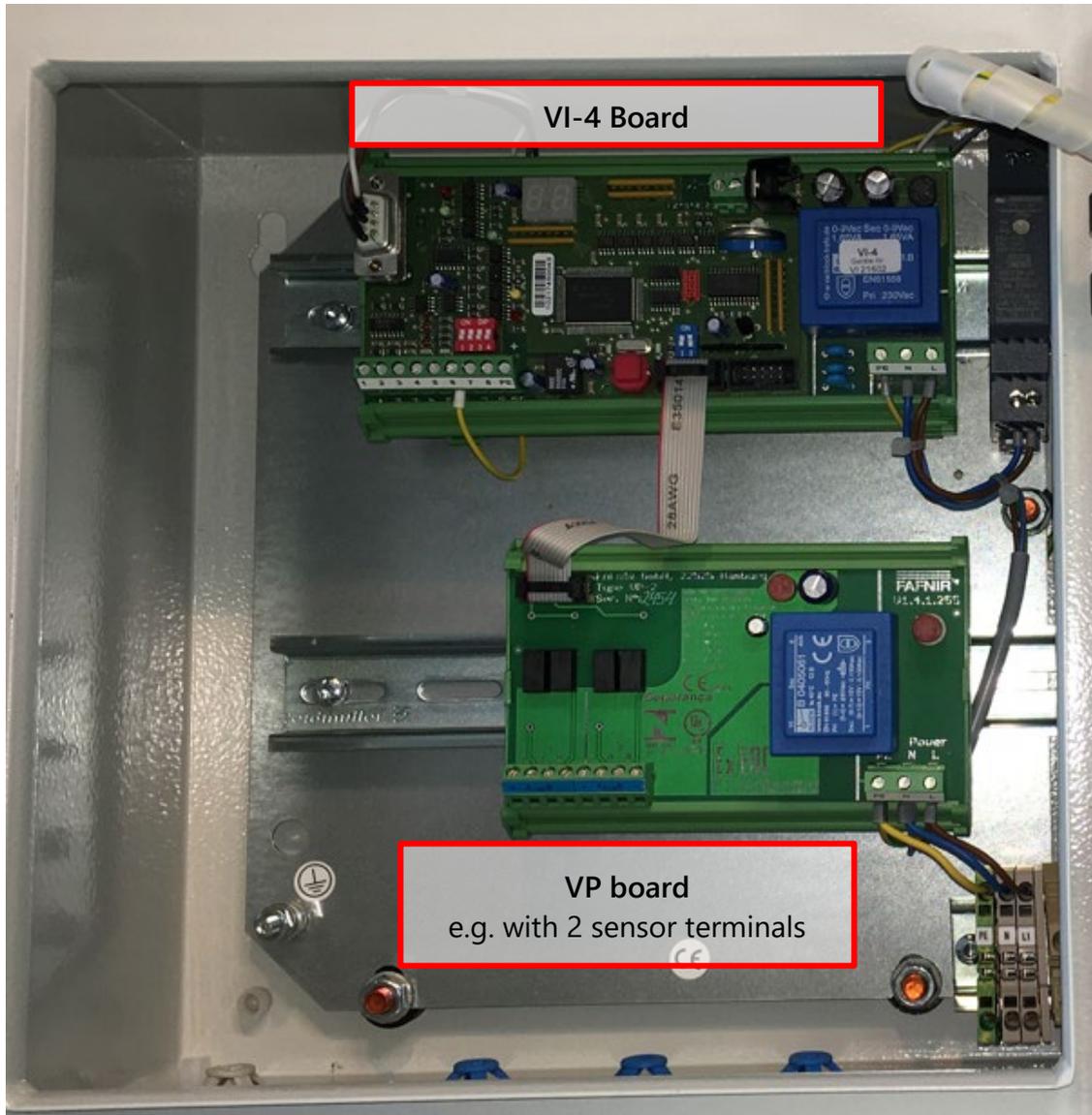
(1)   Open the VISY-Command Web with the housing key.
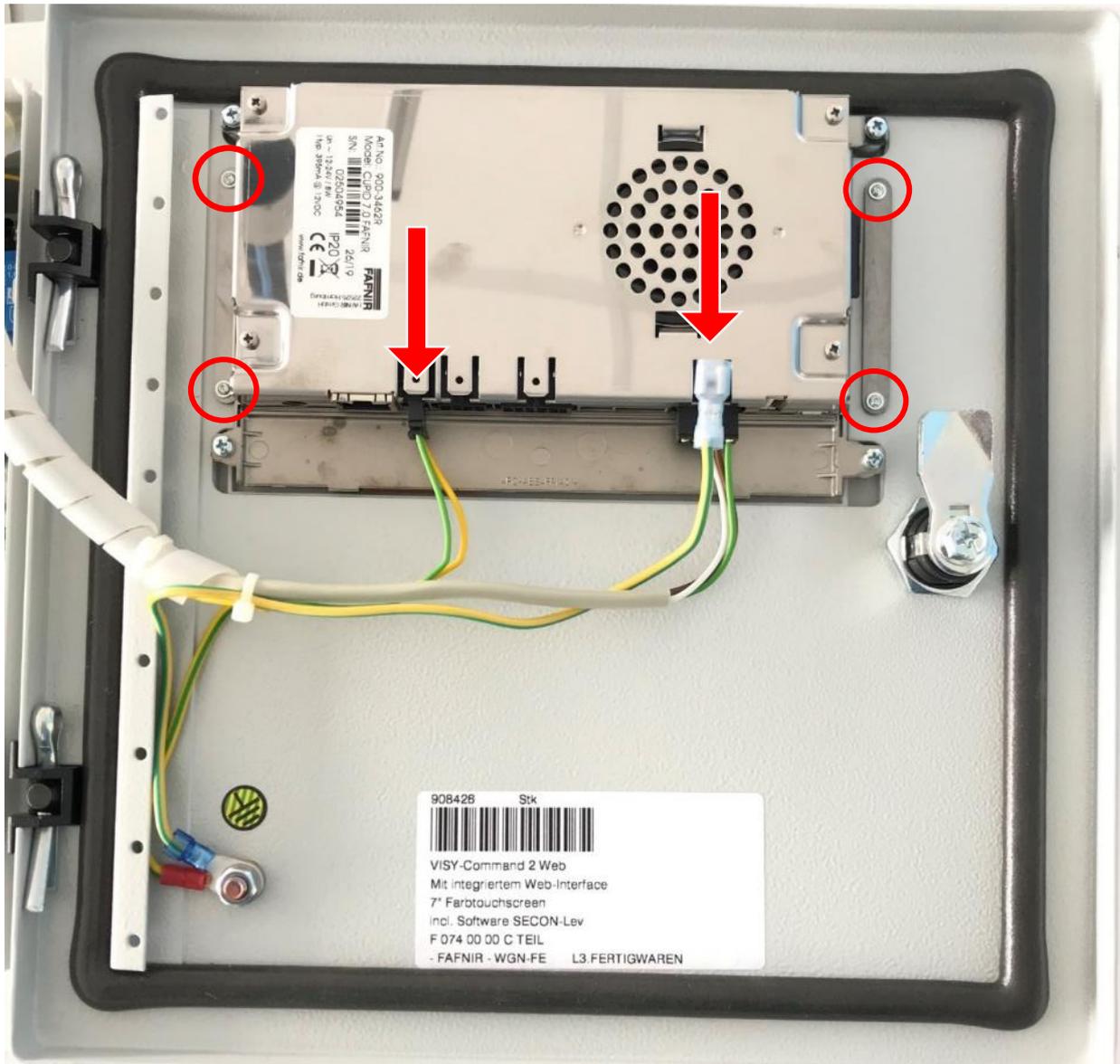

Figure 2: VISY-Command Web, interior view

Figure 3: VISY-Command Web display, back

(2)   Remove all cables from the display (red arrows).

(3)   Remove the display from the housing door (red circles).
A TORX screwdriver size T6 is required for this.

(4)   Pull out the spring clip underneath the 12 V power supply with a flat head screw-
        driver to remove the power supply.

Figure 4: 12 V power supply

(5)   Disconnect the cables from the VI-4 board

- Supply cable (12 VDC) to the display

- Cable to the service interface (alternative to the host interface)
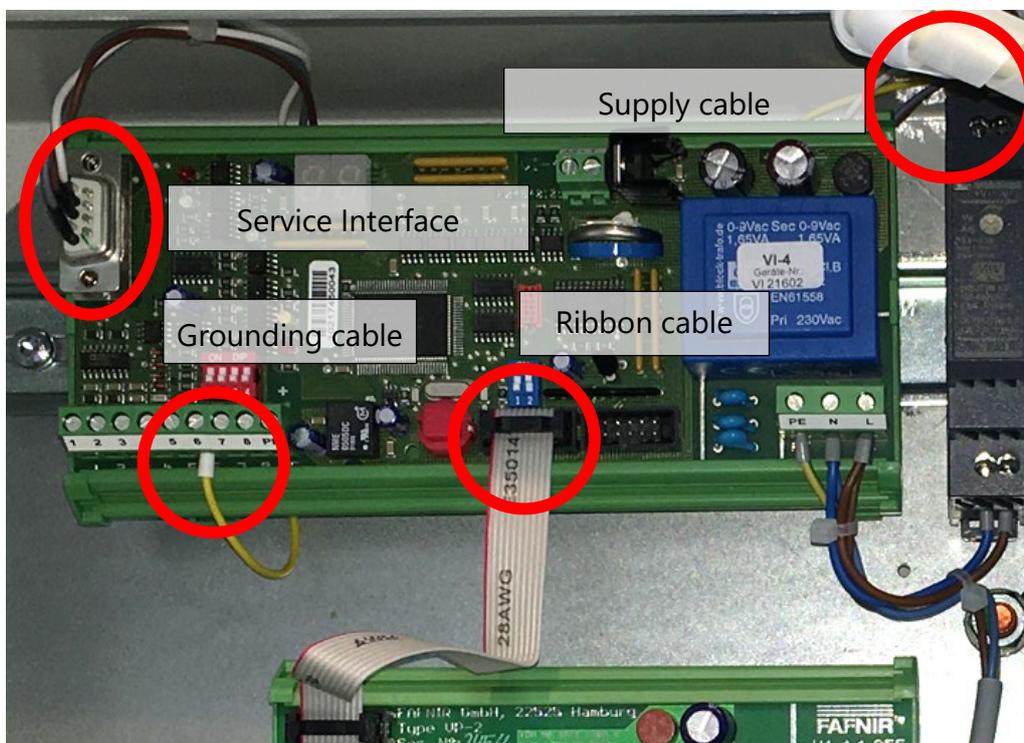
- Grounding cable

- Ribbon cable to the VP board

Figure 5: Wiring VI-4 board

(6)   Remove the grounding cable from the housing

Figure 6: Right side wall of the VISY-Command Web

(7)   Loosen the 2 mounting feet of the VI-4 board with a flat head screwdriver by pressing downwards to lift the board off the top hat rail.

Figure 7: Holder of the VI-4 board

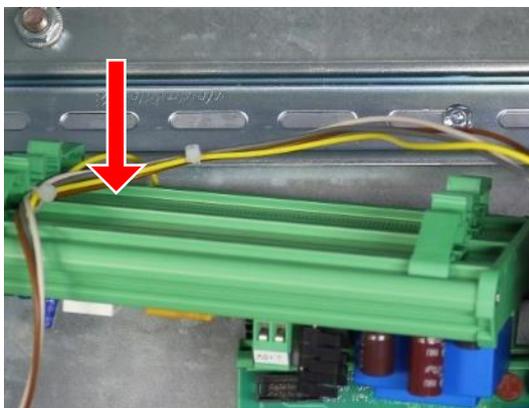(8)   Tilt the VI-4 board forward and cut the zip ties that fix the cables to the VI-4 board.

Figure 8: VI-4 Board, removal

(9) Remove the 230 VAC supply cable from the VI-4 board, from the 12 VDC power sup-
     ply and from the VP board.

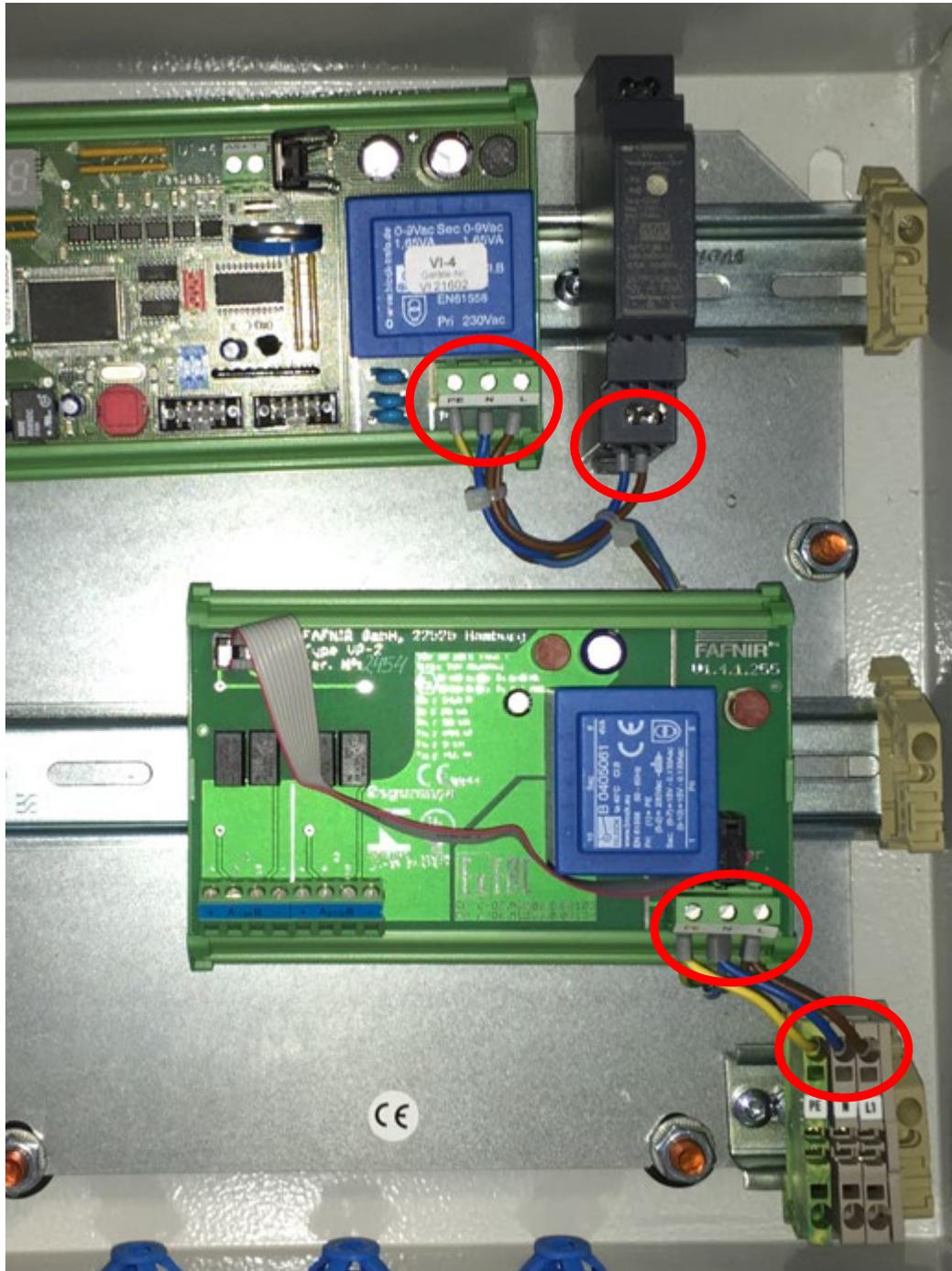

Figure 9: VP board, 12 VDC power supply

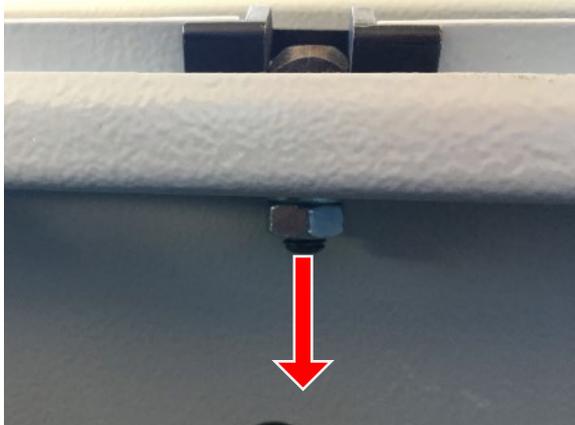(10) Loosen the nuts of the door hinge from inside of the housing and remove the housing door.

Figure 10: Housing door hinge fixing

3.2   Installing the display

(1) Place the display with the screen side on a table. Make sure that it is protected from damage.

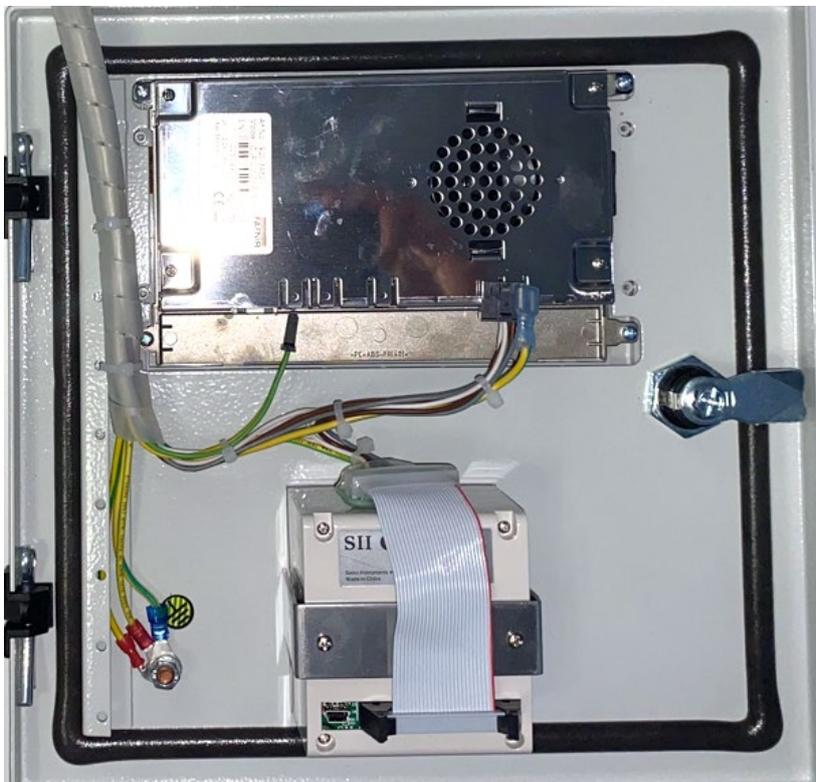(2) Place the new housing door over the display so that the mounting holes for the display are seen.

Figure 11: Housing door hinge fixing

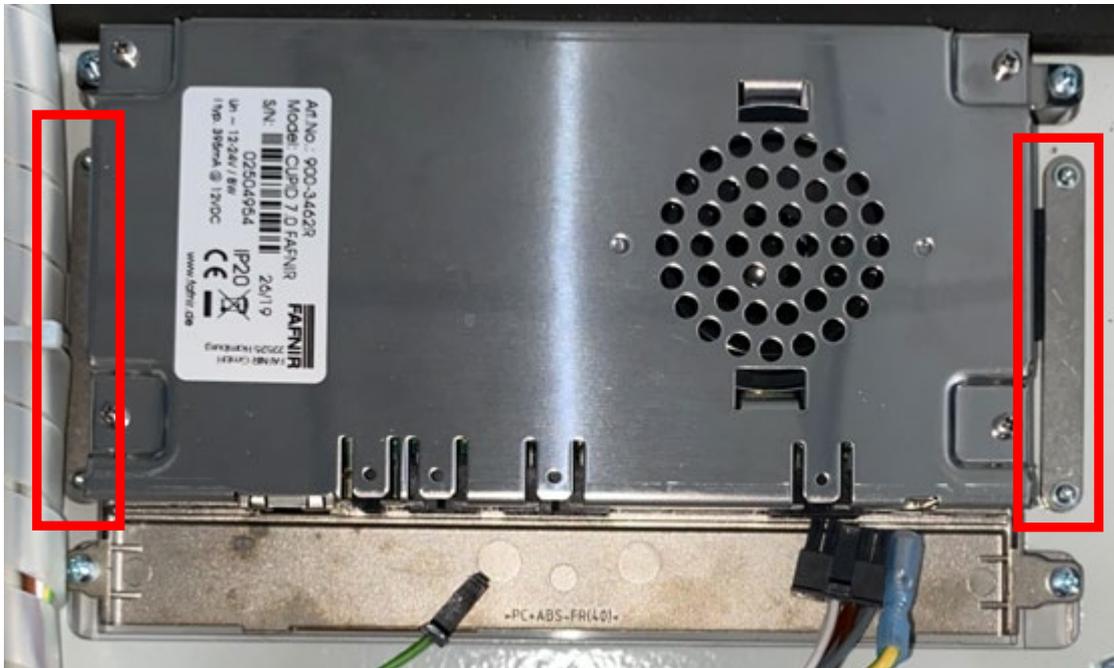(3) Fix the display with the 2 rails (red rectangles) and the 4 fastening screws on the housing door.

Figure 12: Display wiring harness

(4) Plug the connectors of the cable harness into the display. Make sure that the connections are correct.

3.3   Installation of the housing door

(1)   Insert the threads of the door hinges into the openings in the housing door.
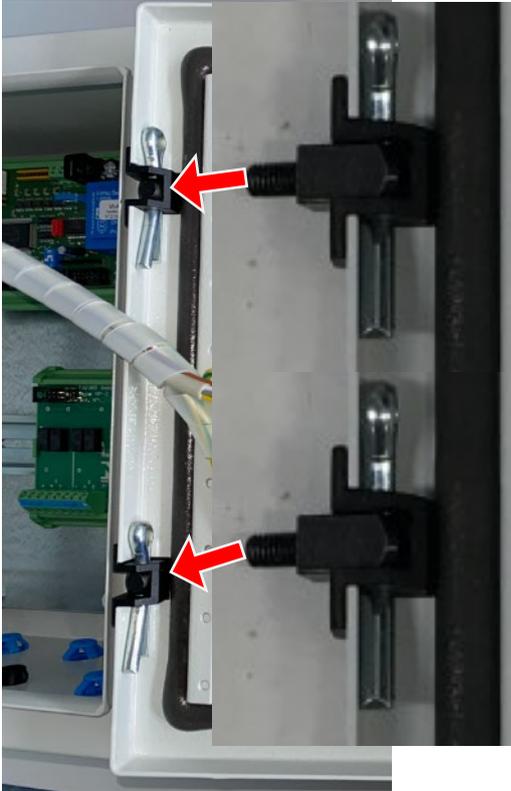

Figure 13: Installation of the housing door

(2)   Fix the door with the washers and nuts loosened previously

Figure 14: Fixing the housing door

3.4 Connect the display and the printer

(1) Place the 5 V power supply unit next to the 12 V power supply unit and connect the new 230 VAC supply cable
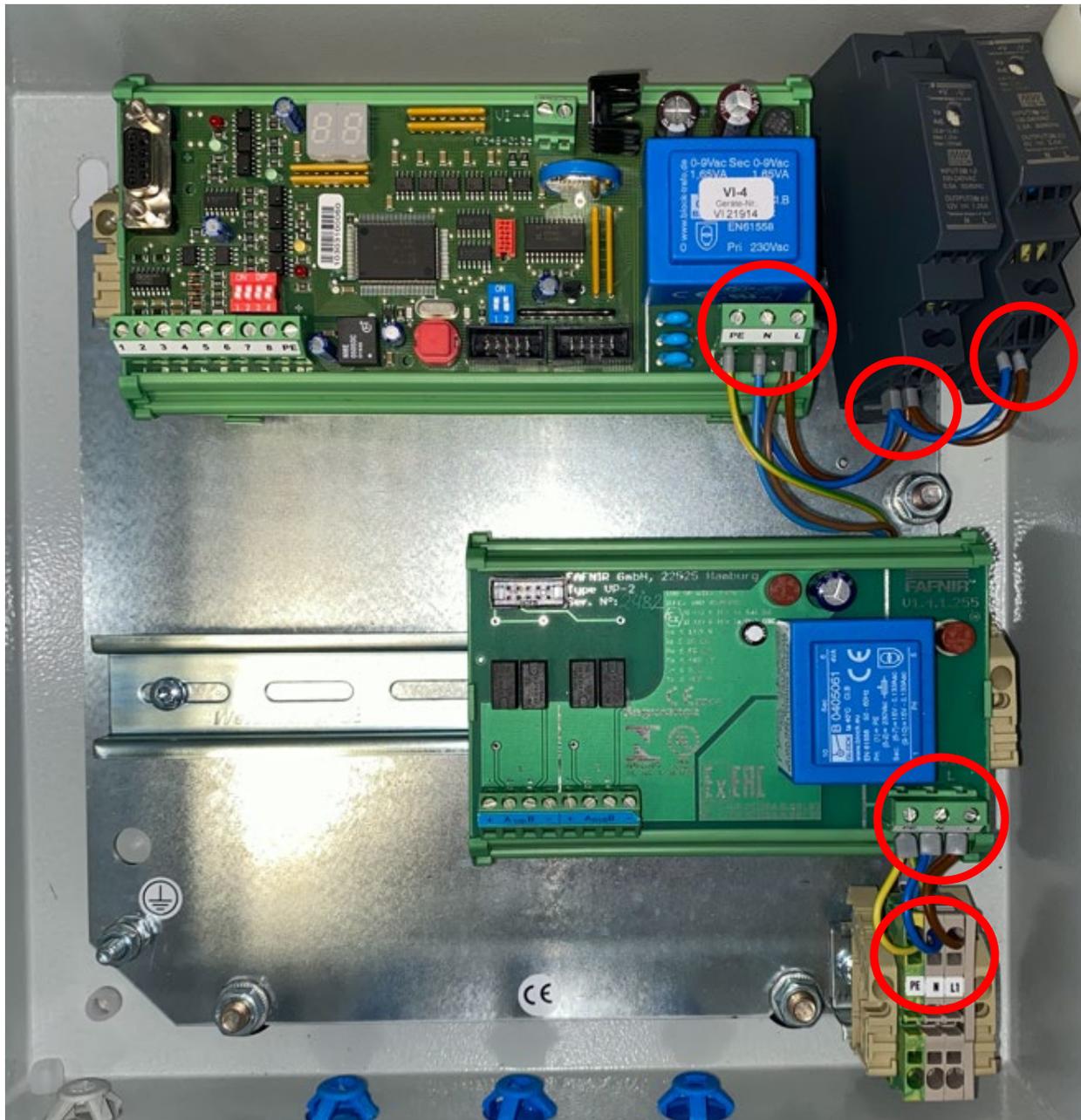

Figure 15: Power supply units

(2)   Connect the VI-4 board as follows:

☞ *The yellow grounding cable should be led under the VI-4 board. The VI-4 board may have to be lifted for this.*

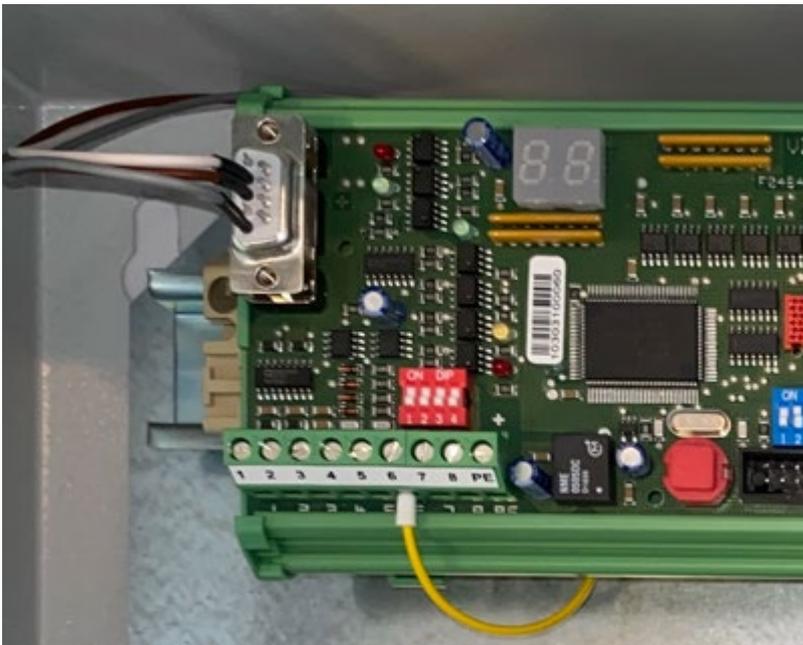| Connection terminal	Cable colour
VI-4 Service - interface	DB9 Connector
Terminal 6	Yellow

Figure 16: VI-4 board, cable connections

(3)   Press the VI-4 board back onto the DIN rail and let the mounting feet snap in to fix the board.

(4)   Connect the power supply units as follows:

Connection terminal	Cable colour
12 V power supply	Green = V+ Yellow = V-
5 V power supply	Brown = V+ White = V-

(5)   Press the power supply units on the DIN rail and use the flat-head screwdriver to slide the spring clips into the top-hat rail to fasten the power supply units.

(6)　Reinstall the grounding cable on the housing.

Figure 17: Right side wall of the VISY-Command Web

(7)　Reconnect the ribbon cable between VI-4 board and VP board.

(8)　Installation completed. The result should look like the following picture.

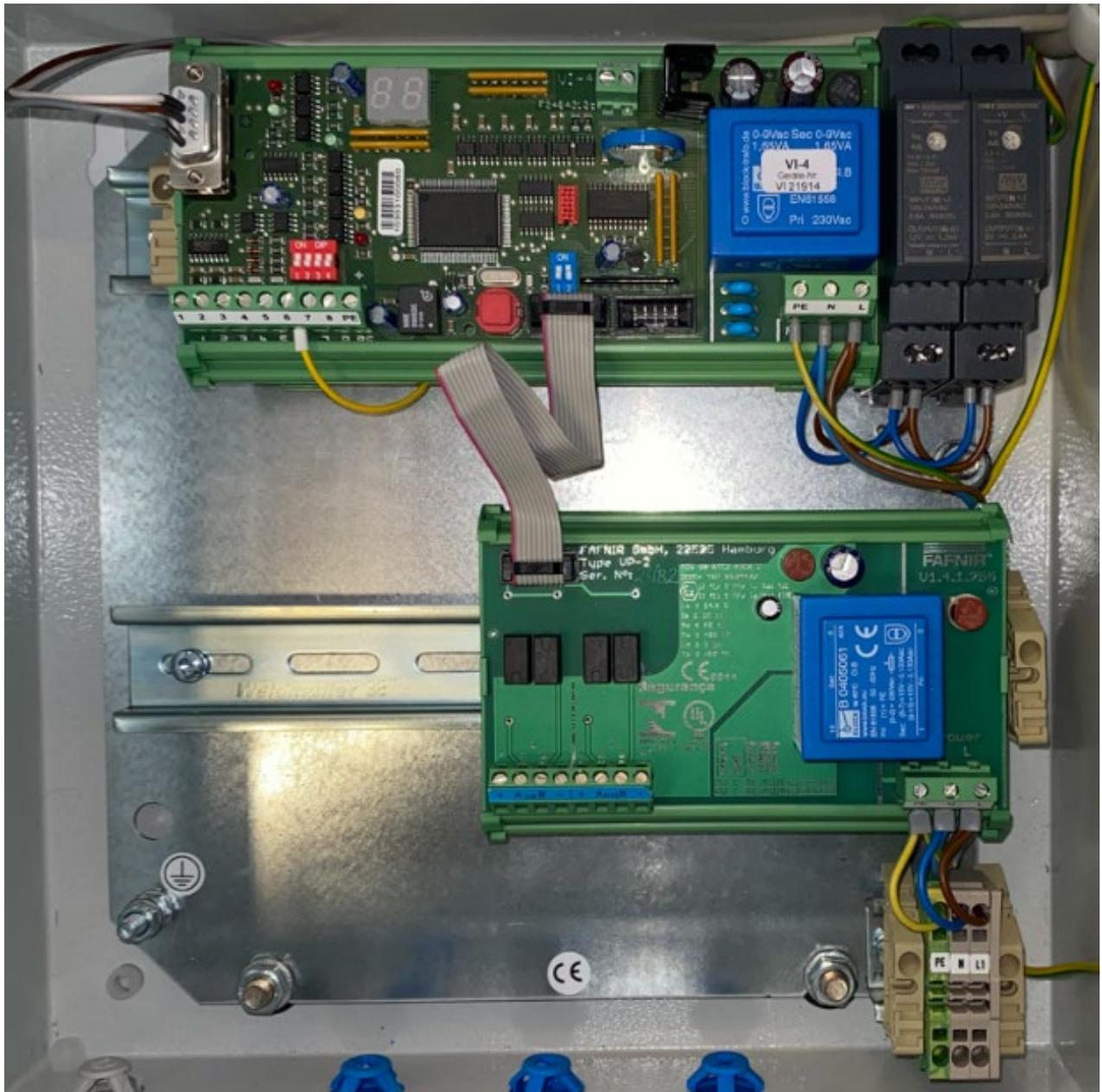⚠️　*The cables should all be laid in such a way that none of them can fall into the Ex-approved area of the VP board.*

Figure 18: VISY-Command Web Printer, interior view

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