

Exchange the electronic tray (SDCS-CON-H01)

General

All DCT880 size T1 ... T8 are equipped with either:

- Electronic tray DCS880/DCT880 3ADT220166R0002 (includes SDCS-CON-H01). Compatible with all DCT880 firmware versions.
- Electronic tray DCS880/DCT880 3ADT220166R0012 (includes SDCS-CON-H01L). Compatible with DCT880 firmware versions 3.00.0.0 and higher.

Thus, the exchange is similar for all unit sizes.

Note: Both electronic trays are interchangeable. Please consider the firmware version, see information above.

Required Tools

Special tools or material needed in addition to standard tools for the exchange of the SDCS-CON-H01:

- Torx screwdrivers: TX10, TX20, TX25.



Before the work starts, disconnect the thyristor power controller completely from the power supply, then check the voltage free condition and make sure, everything is located in an electrical and mechanical safe condition!

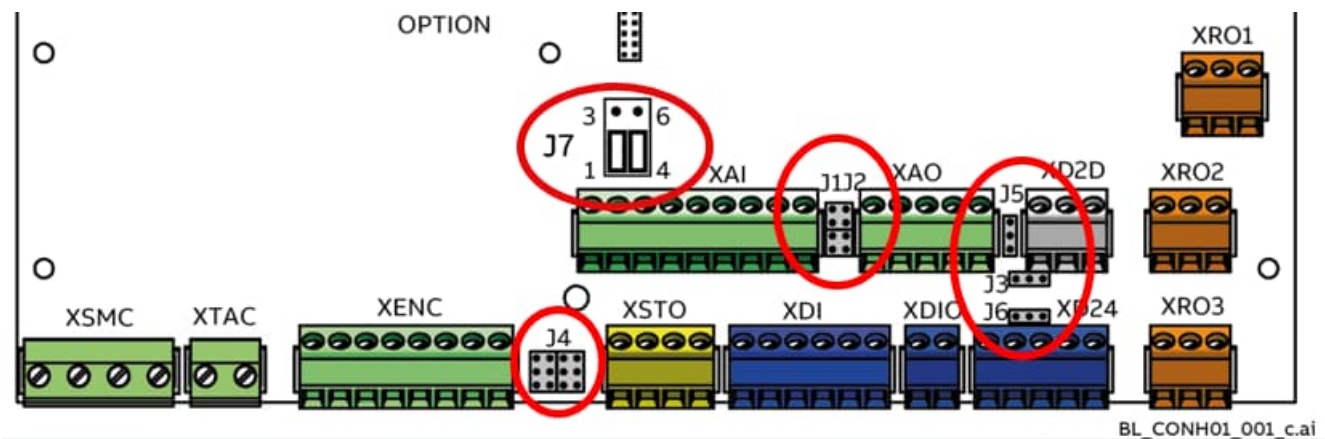
Overview of electronic tray exchange

1. Write down type code of the thyristor power controller.
2. Set jumpers on the new electronic tray according to the old electronic tray.
3. Exchange the electronic tray.
4. Set type code of the thyristor power controller.

1. Write down type code of the thyristor power controller

Write down the contents of 95.16 Set: Unit type code. This information must be set manually in the new electronic tray.

2. Set jumpers on the new electronic tray according to the old electronic tray



Copy the jumper settings (J1 ... J7) of the old electronic tray onto the new electronic tray accordingly.

3. Exchange the electronic tray

Remove the old electronic tray

1. Remove control panel and design cover.



2. Remove the memory unit from X205.

The thyristor power controller is equipped with a memory unit that is plugged into X205 on the electronic tray. The memory unit contains the firmware, the parameters, and the application program (as option).

When an electronic tray is replaced, the parameter settings can be retained by transferring the memory unit from the defective electronic tray to the new electronic tray.

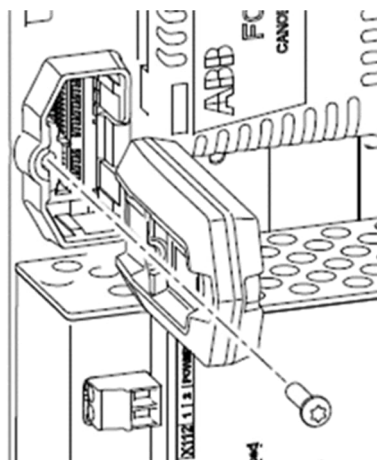


WARNING

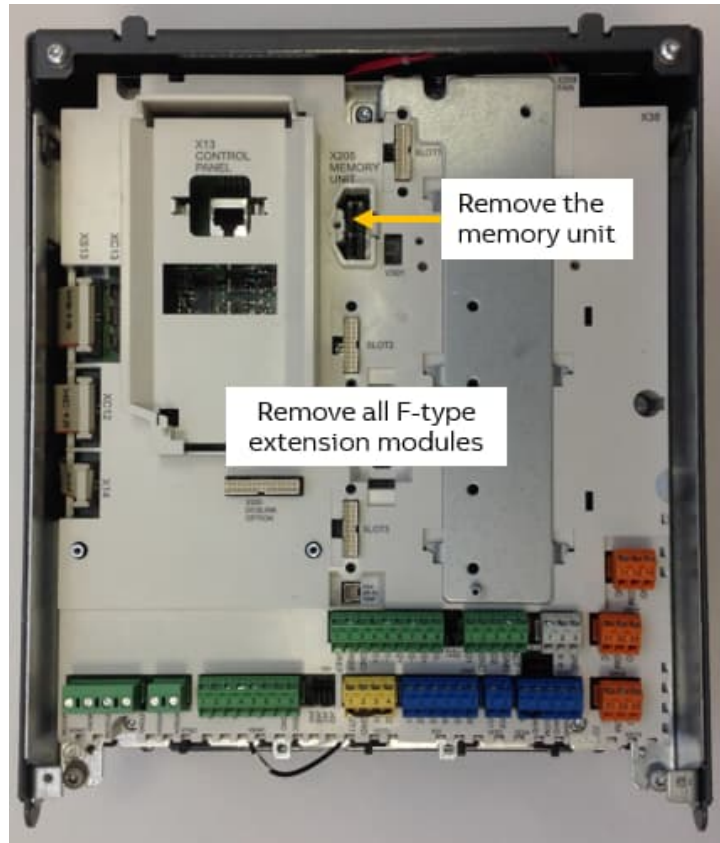
Do not remove or insert a memory unit when the unit is powered.

Replacing the memory unit

Unscrew the memory unit and pull it out.
Replace the memory unit in reverse order.



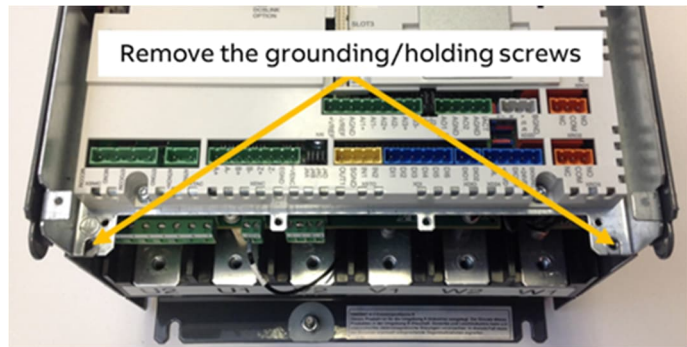
3. Remove all F-type extension modules.



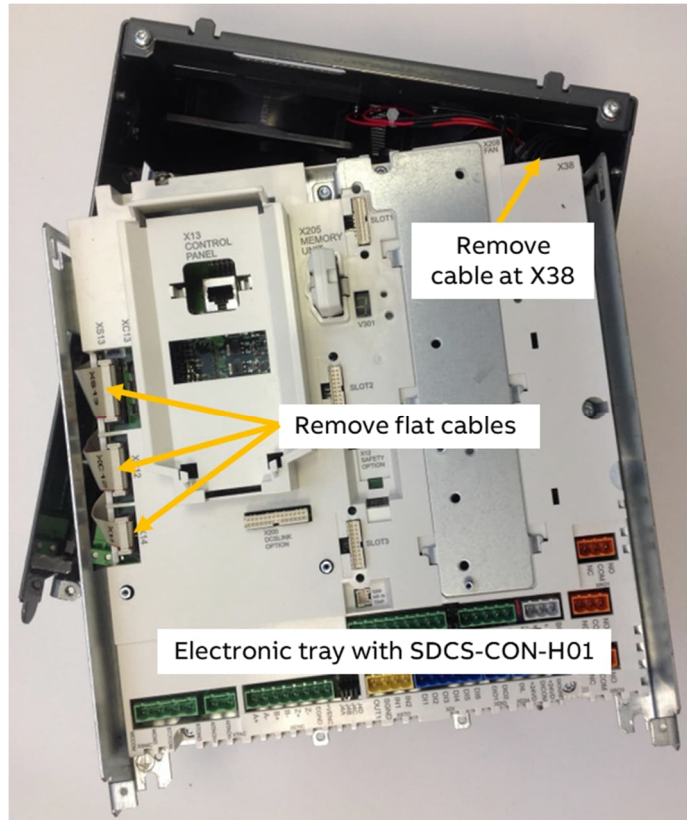
4. Disconnect all I/O plugs from the electronic tray.



5. Remove the grounding/holding screws from the electronic tray.



6. To unhinge the electronic tray pull it up and then out.
7. Before removing the electronic tray completely unplug the flat cables (X14, XC12, XS13) and the cable connected to X38.



Installation of the new electronic tray

1. Reconnect the flat cables to the electronic tray (X14, XC12, XS13), the cable at X38 and re-hinge the electronic tray.
2. Reconnect the grounding/holding screws at the electronic tray.
3. Reconnect all I/O plugs to the electronic tray.
4. Reinstall all plug-in options (do not forget the screws), the memory unit, the design cover, and the control panel.

4. Set type code of the thyristor power controller

Follow the instructions in chapter [Set type code](#).