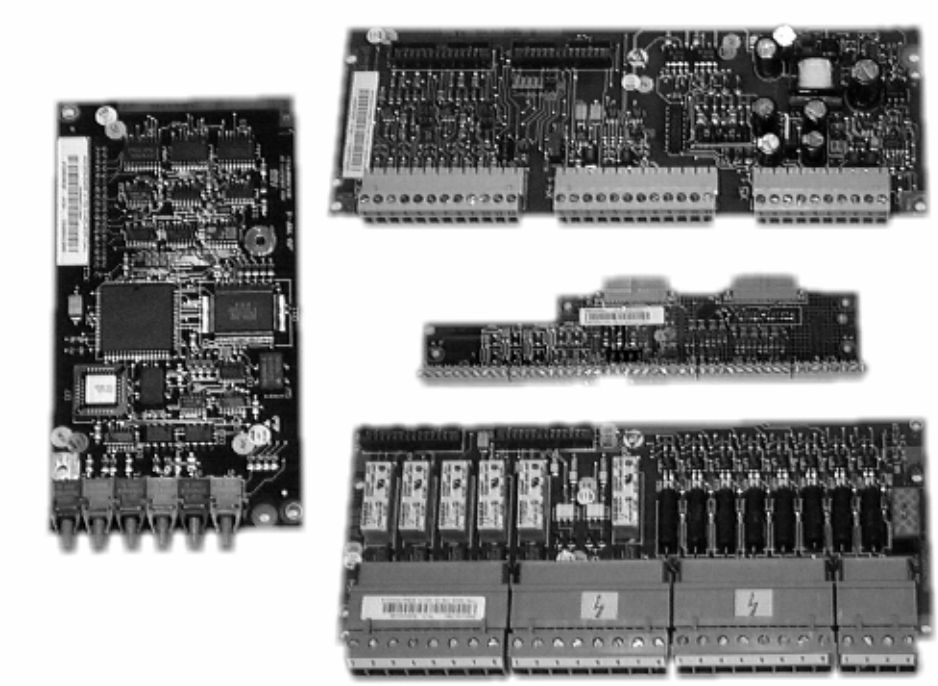
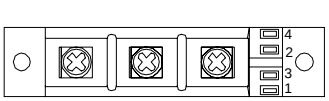
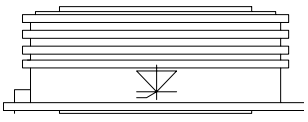
DCS Thyristor Power Converters

for DC Drive Systems
25 to 5200 A

Service Manual
DCS 500B
DCS 600 MultiDrive







ABB

SDCS-CON-x Firmware download instructions for Windows 2000 and NT 4.0

Hardware Configuration

Firmware download Kit

The Firmware download kit (3ADT 220106 R0001) handles the SDCS-CON-x firmware download process for DCS 500B and DCS 600 MultiDrive converters. It consists of an interface RS232 to RS485 and a bus cable (same as for panel connection).
Note: SDCS-CON-x resembles SDCS-CON-2 and higher.



Figure 10 - 3 Firmware download kit

NPCU-02

The NPCU-02 is a RS232 to RS485 interface **without** any galvanic isolation.

Bus cable

The bus cable (DCA 0021499 R0001) connects the interface with the DCS converter.

Installation

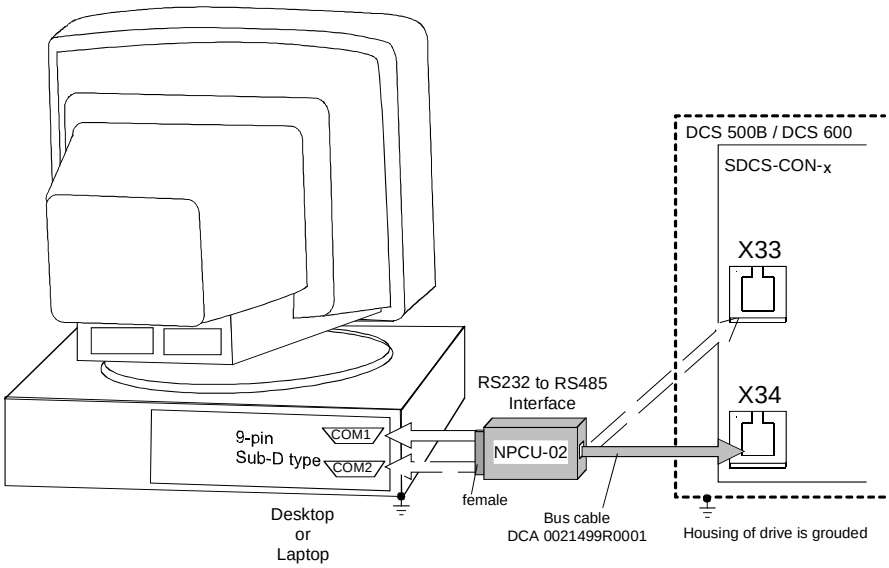


Figure 10 - 4 Connection of the interface between PC and the converter

Software Configuration

PC Operating Systems

The download kit supports the following PC operating systems: Windows 2000 and NT 4.0.

Drive Software Versions

The download kit supports the following Drive software versions:
21.2xx DCS 500B (with SDCS-CON-2 board or higher)
15.2xx DCS 600 MultiDrive (with SDCS-CON-2 board or higher)

Programs / Files

HyperTerminal HyperTerminal Private Edition under Windows 2000 or HyperTerminal under Windows NT 4.0

distributed from ABB:

CON2 download.ht INIT-file for HyperTerminal Private Edition or HyperTerminal: Download of the relevant version from the ABB LotusNotes database.

DC21X2yy.ROM DCS 500B firmware and boot software: Download of the relevant version from the ABB LotusNotes database.

DC15X2yy.ROM DCS 600 firmware and boot software: Download of the relevant version from the ABB LotusNotes database.

Firmware download with Windows 2000

Recommendation

It is strongly recommended:

- ❖ To use the ABB bus cable (DCA 0021499R 0001).
- ❖ To disconnect the laptop from mains supply during download.
- ❖ **The drive has to be grounded**.
- ❖ To switch off all other drives beside the destined unit (disturbances possible).

to provide save download transmission.

HyperTerminal Private Edition

Under Windows 2000 the HyperTerminal takes a very long time to download the firmware. For a faster download an updated version of the HyperTerminal, called "HyperTerminal Private Edition" (HTPE), is needed. Download it from:

www.hilgraeve.com/htpe/download.html

Attention: The installation of the HyperTerminal Private Edition will delete all default Windows 2000 HyperTerminals!

Double-click on the downloaded file to start the installation:
Choose: HyperTerminal Private Edition

