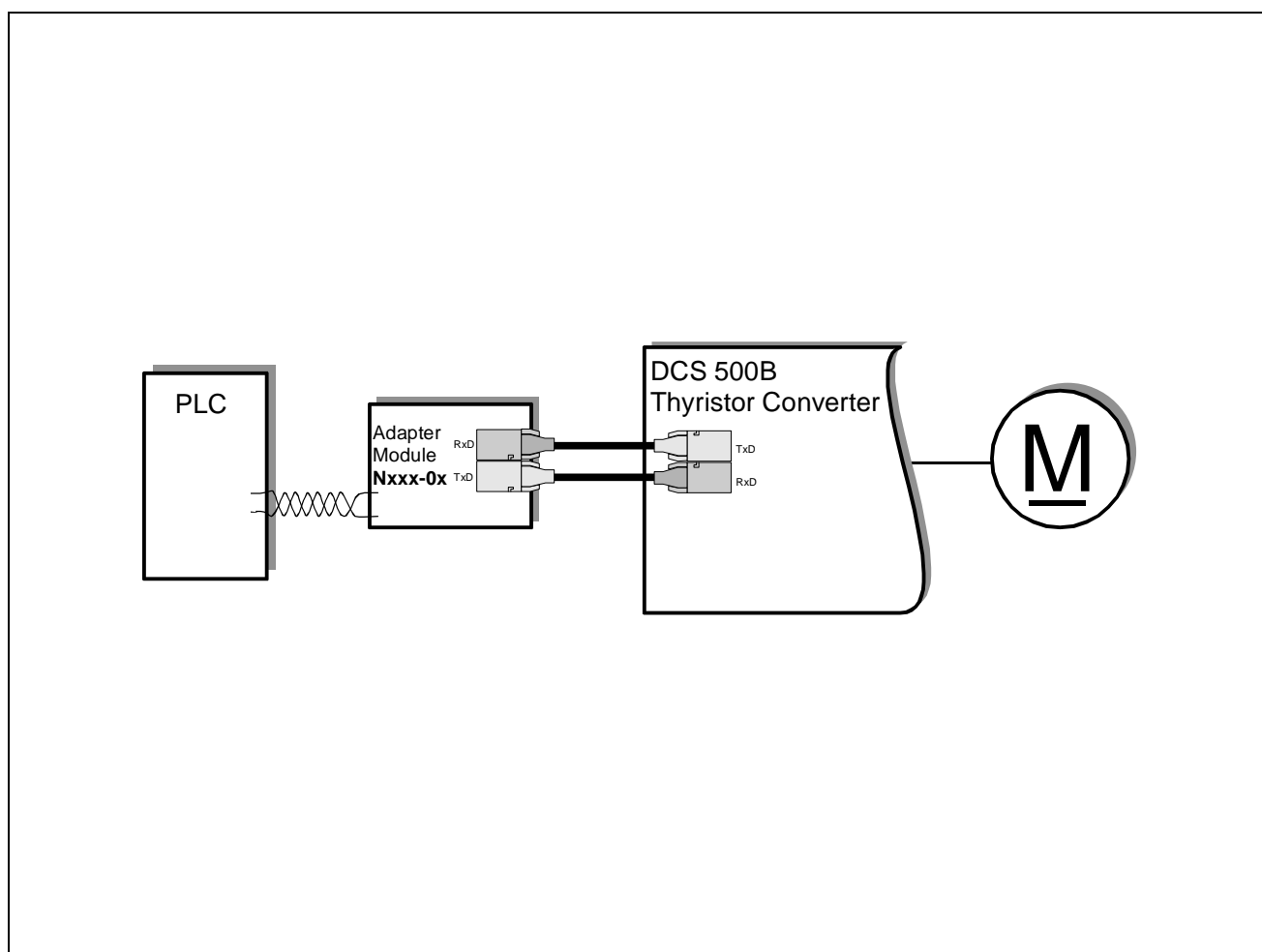


DCS 500B Thyristor Converter

for DC drive systems
25 to 5150 A

Description of the drive-specific
serial link interconnections

UPDATE ControlNet **NCNA-01**



Errata of

Description of the drive-specific serial link interconnections (3ADW 000086 R0201 Rev B):

NPBA-02 PROFIBUS

Page 2-5: Table 2-4

old	4006	Number of first Dataset	0..255	0	
new	4006	Dataset Offset	0..255	0	

NDNA-02 DeviceNet

Page 2-15: Table 2-14

old	4015	No. of Datasets	0 1 DATASET 1 2 DATASET	1	*4
new	4015	No. of Datasets	1 1 DATASET 2 2 DATASET	1	(no remark)

- NCNA-01 ControlNet
 - Connections
 - Datasets
 - Parameter transfer
 - Parameter settings
 - Available data file

Overview

Modules available ControlNet **NCNA-01** (Rev. 1.1 upwards) (DC21x234 upwards)

NCNA-01 ControlNet
Connections

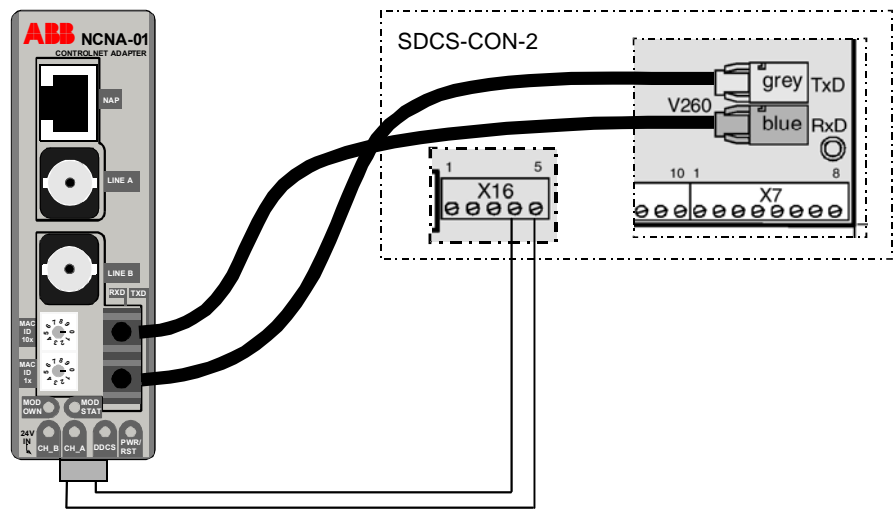


Figure Connections between NCNA-01 and DCS 500B converter

Datasets Table Datasets NCNA-01

Dataset / Data word	minimal	maximal
Datasets in each direction	1	2
Data words in each direction	2	6

With e.g. selected two data words in each direction these are two data words from the PLC to the DCS 500B and two data words from the DCS 500B to the PLC.
The function of these data words is depending on the application, which has to be loaded (see chapter *Fieldbus application*).

Parameter transfer Parameters of group 1...39 can be transmitted by using the "mailbox" function of the adapter (please see the "Installation and Start-up Guide" of the ControlNet adapter Module).

Parameter settings Please see also the detailed parameter description, chapter 5 of the *Installation and Start-up guide* of the appropriate adapter module.

Param.	Description	Available Value	Default	Remark
4001	Module name		NCNA-01 Vx.y	
4002	MAC ID	1 ... 99		read only
4003	Net Mode	0 WRONG STATE 1 SELFTESTS 2 CHK FOR NET 3 WAIT F ROUGE 4 CHECK MODER 5 SEND IM ALIVE 6 ONLINE 7 LISTEN ONLY 8 MAC ERROR		read only
4004	Connection State	0 MODULE FREE 1 MODULE OWNED		read only
4005	Dataset Indes	0 FBA DSET 1 (1 FBA DSET 10 not for DCS 500B)	0	
4006	No. of Datasets	1 ... 2	1	
4007	Scnr Idle Mode	0 STOP 1 FREEZE	0	

Available data file An EDS file (Electronic Data Sheet) is available via internet: (see *Appendix C*) or contact your local ABB sales department.
The EDS file is depending on the adapter NCNA-01, but independent of the connected drive..



ABB Automation Products GmbH
Postfach 1180
68619 Lampertheim • GERMANY
Tel: +49 (0) 62 06-5 03-0
Fax: +49 (0) 62 06-5 03-6 09
www.abb.com/dc

Ident.No.: 3ADW000086 Z0201 REV B
09_2002



086Z0201A2380000