

Fieldbus Adapter with DC-Drives

DCS 400, DCS 500B, DCS 600

CANopen Adapter Module
NCAN-02



Contents of the package	1 pc	CANopen Adapter Module, Type NCAN-02
	2 pcs	Fibre optic cables (2m) for connecting the adapter to the drive
	1 pc	Fieldbus adapter with DC-Drives (this document)



STOP!

Take into account the Safety Instructions in the appropriate documentations!

Related Documentation

There are two parts of documentation.

- Fieldbus Specific Documentation
- Drive Specific Documentation

Fieldbus specific documentation

Description of the fieldbus adapter.
Please see also the chapter “Specific hints for the operation with DC-Drives” of this document.

**Installation and Start-up Guide
CANopen Adapter Module
NCAN-02
3BFE64254154 Rev. B**

Drive specific documentation

Description of available fieldbus adapters concerning DCS 400, DCS 500 or DCS 600

DCS 400 Manual
3ADW 000 095 R0701

DCS 500 Description of the drive-specific serial link connection
3ADW 000 086 R0201

DCS 600 Description of the drive-specific serial link connection
3ADW 000 097 R0101

Internet

The documentation is available via internet:
www.abb.com/dc , further please select :

Drives

DC Drives

Standard Drives for DCS400 or

Industrial Drives for DCS500 and DCS600

Options (tap)

under chapter **Serial communication** please find **Further documentations**, which are linked with the relevant documents

Adapter Connection

For more detail please see the documentation "Installation and Start-up Guide"

X1:		
1	0V	DC GND
2	UC	+24V VDC
3	EXT	DC GND
4		CAN GND

X2:		
5	SHLD	Network shield
6	CAN_L	Busline low
7	GND	Bus ground
8	CAN_H	Busline high

Specific hints for the operation with DC-Drives

The following table relates to the "Installation and Start-up Guide", which is indicated in chapter "Related documentation" of this document.

The column **Page** shows the page number of the documentation "Installation and Start-up Guide".

Page	Rem.												
2-3	<p>Delivery Check (different content for DC-Drives)</p> <p>The option package for the NCAN-02 CANopen Adapter Module contains:</p> <ul style="list-style-type: none"> • CANopen Adapter Module, Type NCAN-02 • Two pieces of fibre optic cables (2m) for connecting the adapter to the drive • Fieldbus adapter with DC-Drives (this document) 												
3-2	<p>Mounting Inside the Drive</p> <p><i>The adapter can not be built inside the DC-drive</i></p>												
4-4	<p>NCAN-02 Connections</p> <p>Fibre optic link connecting the NCAN-02 to the drive.</p> <p>DCS 400 : Fibre optic link connector V800 on the SDCS-CON-3(A) board</p> <p>DCS 500 : Fibre optic link connector V260 on the SDCS-CON-2 board</p> <p>DCS 600 : Fibre optic link connector CH0 on the AMC-DC Classic board</p>												
5-1	<p>Configuring the CAN Controller and Network</p> <p>EDS Files is not available, because it is not necessary.</p>												
5-2	<p>Table 5-1 The NCAN-02 Configuration Parameters.</p> <p>Fieldbus Par.Nr. 1 :</p> <p>DCS 400 : Select "Fieldbus" in parameter 8.01</p> <p>DCS 500 : Select "Fieldbus" in parameter 40.01</p> <p>After initialisation the string NCAN-02 Vx.x instead of "Fieldbus" can be read by using the CDP312 panel.</p> <p>DCS 600 : Select "Fieldbus" in parameter 98.02. This selection will open the fieldbus group 51. After the initialisation the string NCAN-02 Vx.x can be read in 51.01.</p>												
5-2	<p>MODULE TYPE This parameter shows the module type as detected by the drive.</p> <p>Exception : DCS 400 (the name FIELDBUS is here shown)</p>												
5-3	<p>COMM PROFILE</p> <table border="1"> <thead> <tr> <th>Drive Type</th> <th>Drive Sw. Version</th> <th>Setting to Use</th> </tr> </thead> <tbody> <tr> <td>DCS 400</td> <td>D4 107.3 or later</td> <td>Transparent</td> </tr> <tr> <td>DCS 500</td> <td>DC21x230 or later</td> <td>Transparent</td> </tr> <tr> <td>DCS 600</td> <td>DC15x603 or later</td> <td>Transparent</td> </tr> </tbody> </table>	Drive Type	Drive Sw. Version	Setting to Use	DCS 400	D4 107.3 or later	Transparent	DCS 500	DC21x230 or later	Transparent	DCS 600	DC15x603 or later	Transparent
Drive Type	Drive Sw. Version	Setting to Use											
DCS 400	D4 107.3 or later	Transparent											
DCS 500	DC21x230 or later	Transparent											
DCS 600	DC15x603 or later	Transparent											



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.: 3ADW000 149 Z0301 REV C
01_05



149Z0301A5030000