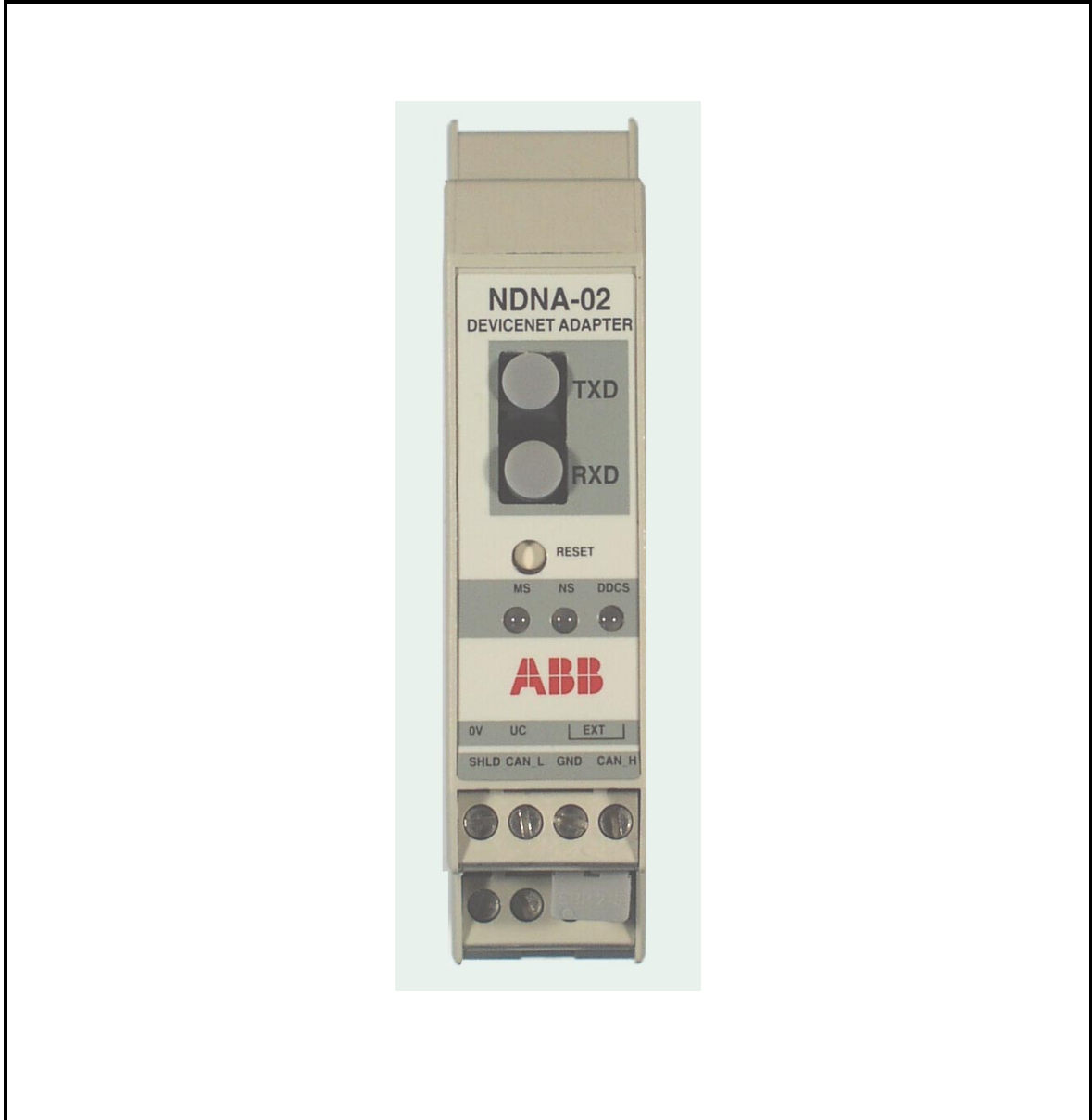


Fieldbus Adapter with DC-Drives

DCS 400, DCS 500B, DCS 600

DeviceNet Adapter Module

NDNA-02



Contents of the package	1 pc	DeviceNet Adapter Module, Type NDNA-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.

The documentation is available via internet :

www.abb.com/motors&drives

after selecting **DC-Drives**, then **Downloads**
and then the converter type (DCS 400, DCS 500 or DCS 600) you will find "**Serial communication**".

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
DeviceNet Adapter Module
NDNA-02
3AFY 58919829 R0325**

Drive specific documentation

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

DCS 400 Manual
3ADW 000 095 R0401

DCS 500 Description of the drive-specific serial link connection
3ADW 000 086 R0101

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

Adapter Connection

For more details 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>Compatibility The NDNA-02 is compatible with: DCS 400 (SW 108.0), DCS 500B (SW 21x232) and DCS 600 (SW 15x610)</p> <p>Delivery Check (different contents for AC- and DC-Drives) The option package for the NDNA-02 DeviceNet Adapter Module contains:</p> <ul style="list-style-type: none"> • DeviceNet Adapter Module, Type NDNA-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 <i>The adapter can not be built inside the DC-drive</i></p>
4-4	<p>NDNA-02 Connections Fibre optic link connecting the NDNA-02 to the drive. DCS 400 : Fibre optic link connector V800 on the SDCS-CON-3(A) board DCS 500 : Fibre optic link connector V260 on the SDCS-CON-2 board DCS 600 : Fibre optic link connector CH0 on the AMC-DC Classic board</p>
5-1	<p>Configuring the system EDS Files: Please look at internet, if the files are available. www.abb.com/motors&drives</p>
5-2	<p>Table 5-1 The NDNA-02 configuration parameters. Fieldbus Par.Nr. 1 : DCS 400 : Select "Fieldbus" in parameter 8.01 DCS 500 : Select "Fieldbus" in parameter 40.01 After initialisation the string NDNA-02 V2.x instead of "Fieldbus" can be read by using the CDP312 panel. DCS 600 : Select "Fieldbus" in parameter 98.02. This selection will open the fieldbus group 51. After the initialisation the string NDNA-02 V2.x can be read in 51.01.</p>
5-3	<p>01 MODULE TYPE This parameter shows the module type as detected by the drive. Exception : DCS 400 (the name FIELDBUS is shown here)</p>
5-1 5-3 6-2	<p>Table 5-1: 6 Poll output select, 7 Poll/cos input sel, 8 Cos data output Assembly selection Note: The <i>BASIC SPEED</i> assembly ... The following applies to all DC-Drives : The <i>BASIC SPEED</i> assembly is not supported by DCS 400, DCS 500B and DCS 600</p>
7-3	<p>Drive Setup: See the drive specific documentations for more information.</p>



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