



Date

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FDNA-01 DeviceNet Adapter EDS file selection and error messages

This package (\.zip) contains the latest revision of the EDS-files. Earlier EDS files are collected to an archive called "Archive_FDNA.zip" also included in the package. Archived files are not recommended and should only be used if necessary.

EDS files are available in Typical and Extended versions. Typical EDS files include the I/O Assembly configuration properties. Extended version of the EDS file also includes the drive parameter and signal information. Typical files are not drive firmware dependent whereas extended files are.

How is EDS file used?

Electronic data sheet (EDS) files specify the properties of the device to the DeviceNet Scanner. The device is identified by means of the Product Type, Product Code and Device Revision. The Product Types are specified by ODVA in the DeviceNet specifications. For FDNA-01 Product Type 2, AC Drive is used for up to version 0x0212 (2.18). After 2.18 product type is 2 for ODVA profile and 100 for ABB Drives. In this library there are two files for ABB Drives profile other is named as *appl_2.18* which is for versions 2.18 and before and a file named *appl_2.xx* which is meant for versions after 2.18.

To enable the use of different kinds of ABB Drives on the same DeviceNet network, a unique Product Code has been allocated to each drive or application program. Usually master system can contain only one EDS file for certain Product Code, however this applies only to the devices with the same Major revision number.

Major revision number is specified by the Device Revision, which identifies the revision of the FDNA-01 module. Device Revision contains Major revision number and Minor revision number (E.g. Device Revision 0x011B → Major revision number = 0x01; Minor revision number = 0x1B).

Note! Network might have several FDNA-01 DeviceNet Adapters that have different Device Revision, however Major revision number of the FDNA-01 module must match with the Major revision number of the corresponding EDS file.

If the network online identity (the module) doesn't match with the offline identity (the EDS file) master system might print an error message. Typically this could happen if the Minor revision numbers do not match. Usually it's ok to ignore the message and approve the changes or change the revision of the EDS file to correspond the latest adapter revision. In problem situation contact your local ABB representative. The latest FDNA-01 DeviceNet Adapter Device Revision is 2.49 (0x0231).

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From ACS880 version 1.70 onwards there are separate files for different control units. This is indicated in the file name by either (ZCU-xx) or (BCU-x2). The control unit type can be determined by parameter 7.4 Firmware name. If firmware name is "AINF6" then control unit is ZCU-xx and if firmware name is AINF2 then control unit is BCU-x2. Control unit type can be found also from the label of the control unit.