

3 DDS02.1/03.1 drive controllers

3.1 Configured drive controllers

The drive controllers are modular in design. The basic unit is adapted to different functions with the use of various modules. The drive controllers are delivered by INDRAMAT already configured in terms of the desired function.

A configured drive controller is made up of both hardware and firmware. The firmware fixes the functions of the drive controller.

A configured drive controller is made up of:

- ∞ basic unit of the drive controller
- ∞ plugin modules
- ∞ software modules
- ∞ firmware (in the software and plugin modules)

Configured DDS02.1-****-****-**-
FW drive controller

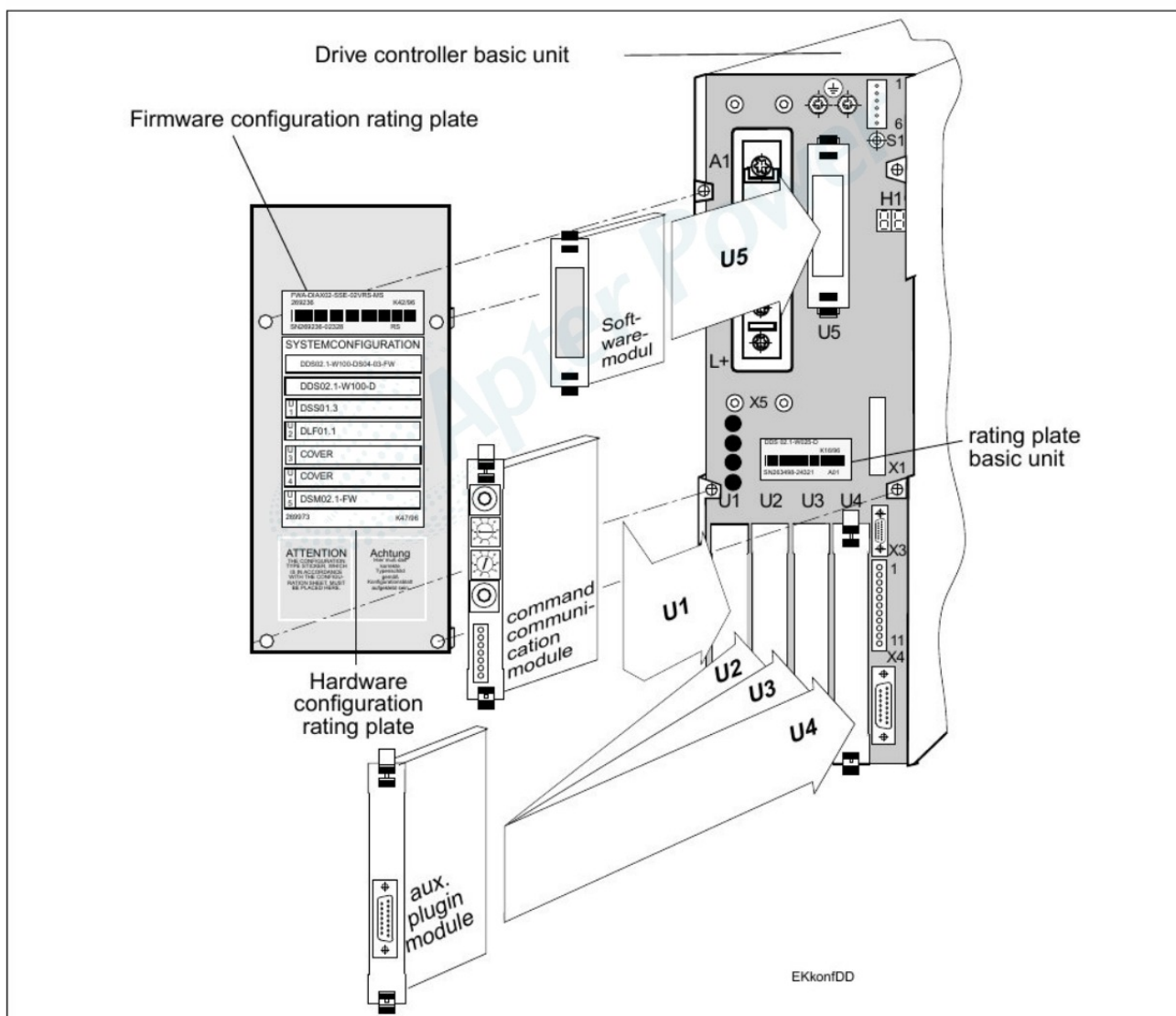


Fig. 3-1: The components of the configured DDS02.1-*** drive controller

4 Technical data

4.1 Power section

DC bus voltage

Designation	Value	Unit
DC bus voltage	300 +/- 15%	V

Fig. 4-1: DC bus voltage

Allocation of peak and continuous currents

An "overload factor" can be found in the motor/controller selection list. Using this overload factor it is possible to set the continuous current of the controller at the time of commissioning in terms of the motor. The controller peak current is set as dependent upon the continuous controller current.

In the second column, the possible continuous current is listed for the maximum peak current and in the third column, the possible peak current is given for the maximum continuous current in the following list.

Drive controller	Maximum peak current / continuous current	Peak current / maximum continuous current
DDS02.1-W015-...	15A / 15A	15A / 15A
DDS02.1-W025-...	25A / 25A	25A / 25A
DDS03.1-W030-...	30A / 10A	15A / 15A
DDS03.1-W050-...	50A / 20A	50A / 20A
DDS02.1-W050-...	50A / 40A	50A / 40A
DDS02.1-A050-...	50A / 50A	50A / 50 A
DDS02.1-F050-...	50A / 50A	50A / 50A
DDS02.1-W100-...	100A / 40A	60A / 60A
DDS02.1-A100-...	100A / 80A	90A / 90A
DDS02.1-F100-...	100A / 100A	100A / 100A
DDS02.1-W150-...	150A / 65A	80A / 80A
DDS02.1-A150-...	150A / 105A	150A / 105A
DDS02.1-F150-...	150A / 105A	150A / 105A
DDS02.1-W200-...	200A / 65A	90A / 90A
DDS02.1-A200-...	200A / 85A	160A / 105A
DDS02.1-F200-...	200A / 105A	200A / 105A

Fig. 4-2: Allocating peak and continuous currents

10 Identifying the merchandise

In the case of a mixed order, the transport container contains the individually packaged controllers and accessories. In the case of a multiple order of the same units, the accessories may be placed in a separate transport container.

There is a barcode sticker on the DDS package. It identifies the contents in type and order processing.

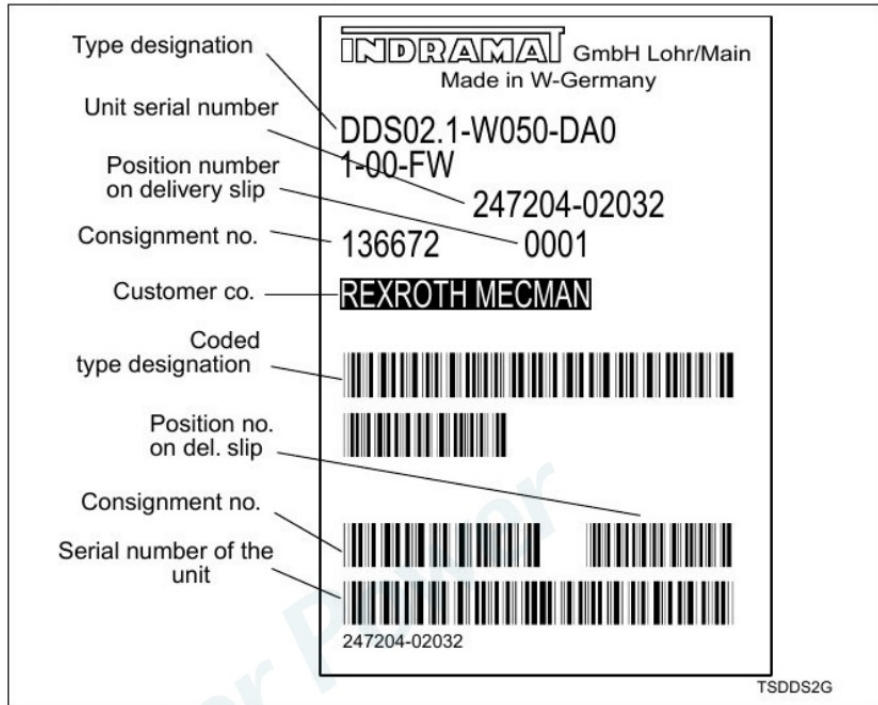


Fig. 10-1: Barcode sticker on the DDS packaging (example)

If several identical units are in one package, then the serial numbers of all the units contained therein are under the barcode sticker (only in the case of return packaging).

There is a rating plate on the front of the DDS.

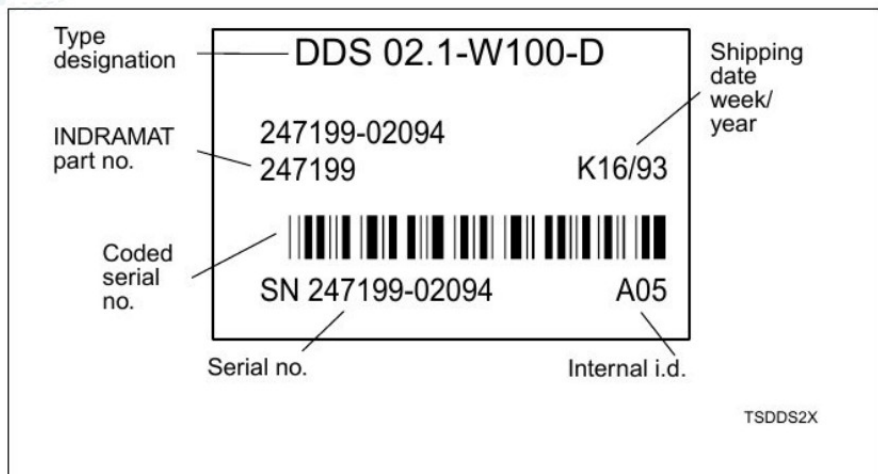


Fig. 10-2: Rating plate of the basic DDS unit