

**Device description**

**Application**

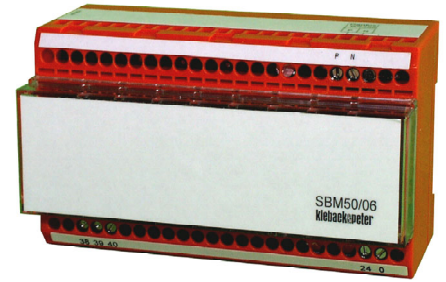
The Control Cabinet Bus Module SBM50/06 is used for the integration of 1 to 8 frequency converters VLT6000 in the DDC3000-System from DANFOSS.

**Type**

SBM50/06 Control Cabinet Bus Module with RS485 interface for the connection of a max. of eight frequency converters from DANFOSS

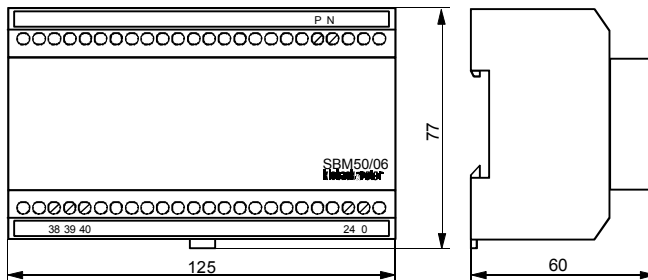
**Technical Data**

|                                |   |
|--------------------------------|---|
| Mains                          | 24 V AC $\pm 10\%$ / 230 mA, 5,4VA  |
| Bus connection                 | Control Cabinet Bus to the DDC3000 system, max. 200 m   |
| Interface                      | RS485 for max. 8 frequency converter VLT6000 from DANFOSS   |
| Fuse                           | Electronic fuse for mains 24 V AC   |
| Address switch                 | Addressing 01..16 with 2 rotary switches  |
| Display                        | 2 LED in the housing for Control Cabinet Bus SB<br>LED green: blinking = Control Cabinet Bus-Data transmission<br>LED red: lit up = Control Cabinet Bus-Error<br>blinking = incorrect address set |
| Degree of enclosure protection | IP20  |
| Ambient-temperature            | 0..45°C   |
| Env. humidity                  | 20..80% rF, not condensing  |
| Mounting                       | Control Cabinet installation on standard track, see reverse side  |



SBM50/06

**Dimensions**



**Installation**

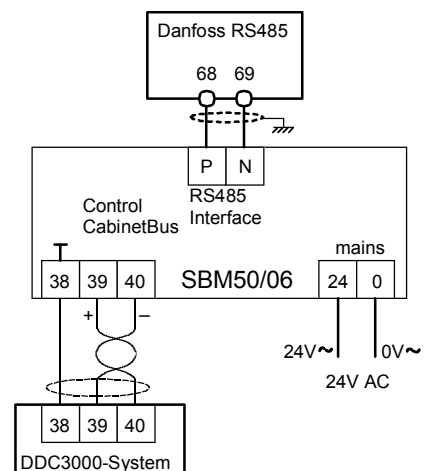


Warning

**The electrical installation and the device connection may only be carried out by qualified personnel.**  
 The VDE legal provisions and the local regulations should be observed.

- An isolated cable is required for the connection of the Control Cabinet Bus in the DDC3000 system, Cable type at least JY(St)Y 2x2x0,8 Lg. Both lines (terminals 39 and 40) must be in the form of twisted pairs. The earth connection (terminal 38) should be put on one of the remaining free lines.  
 At the end of the Control Cabinet Bus (most distant point from the Central Control Unit, max. 200 m), a terminating resistor ca. 180  $\Omega$  must be included on both data lines one time (terminating resistor for the Central Control Unit is included in the accessory pack).
- The connection of the RS485 interface to the DANFOSS frequency converters must be made with a shielded cable. To this end, the connection notice for the frequency converters VLT6000 from DANFOSS must be consulted.

**Device connection**



Ausgabe 26.10.2000

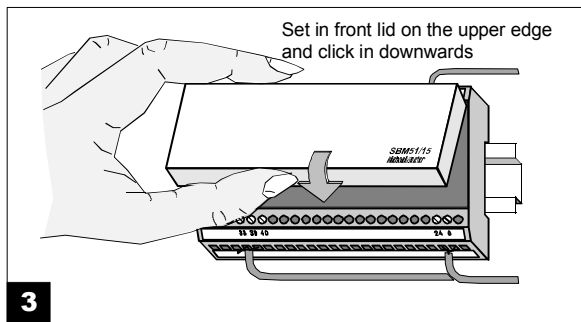
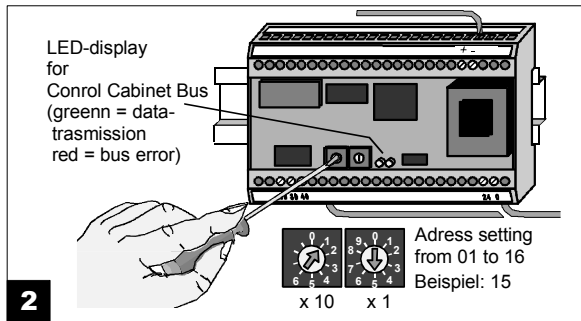
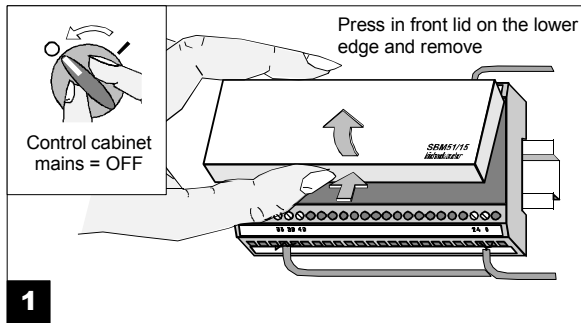
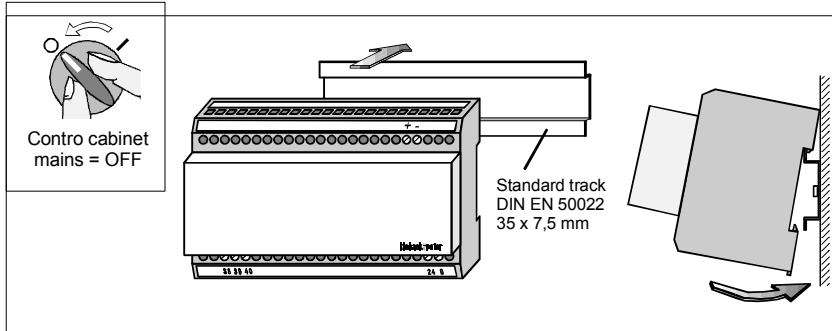
**Mounting**



Warning

**Mounting and the connection of the device may only be carried out by qualified specialists.**

**The mains may be switched on only after the device setting by the commissioning technician/engineers has been completed.**



Notice

**The Parameterization of the Control Cabinet Bus Module SBM50/06 is described in the engineering documentation of the DDC3000.**