

Device description

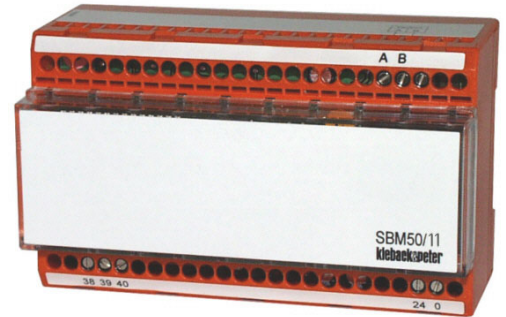
SBM50/11 Control Cabinet Bus Module for frequency converters of type 8200 vector from LENZE

Application

The Control Cabinet Bus Module SBM50/11 is used for the integration in the DDC3000 system of 1 to 8 frequency converters of type 8200 vector from LENZE. The frequency converter must be equipped with a field bus module 2102 RS485 or a function module LECOM-B (RS485).

Type

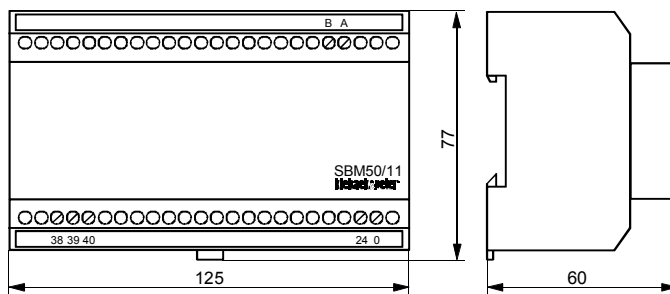
SBM50/11 Control Cabinet Bus Modules with RS485 Interface to the connection of a maximum of eight frequency converters from LENZE type 8200 vector with field bus module 2102 RS485 or function module LECOM-B (RS485)



Technical data

| | |
|--------------------------------|---|
| Mains | 24 V AC ±10% / 208 mA, 5 VA |
| Bus connection | Control Cabinet Bus to the DDC3000 system, max. 200 m |
| Interface | RS485 for max. 8 frequency converters 8200 vector from LENZE |
| Fuse | electronic Fuse for mains 24 V AC |
| Address switch | addressing 01..16 with 2 rotary switches |
| Displays | 2 LED in the housing for Control Cabinet Bus SB LED green: blinking = Control Cabinet Bus data transmission LED red: lit up = Control Cabinet Bus error blinking = false address set |
| Degree of enclosure protection | IP20 |
| Ambient conditions | ambient temperature 0..45°C ambient humidity 20..80% rF, not condensing |
| Mounting | switching cabinet mounting on hat rail EN50022 – 35 x 7,5 (see reverse side) |

Measurements



Installation



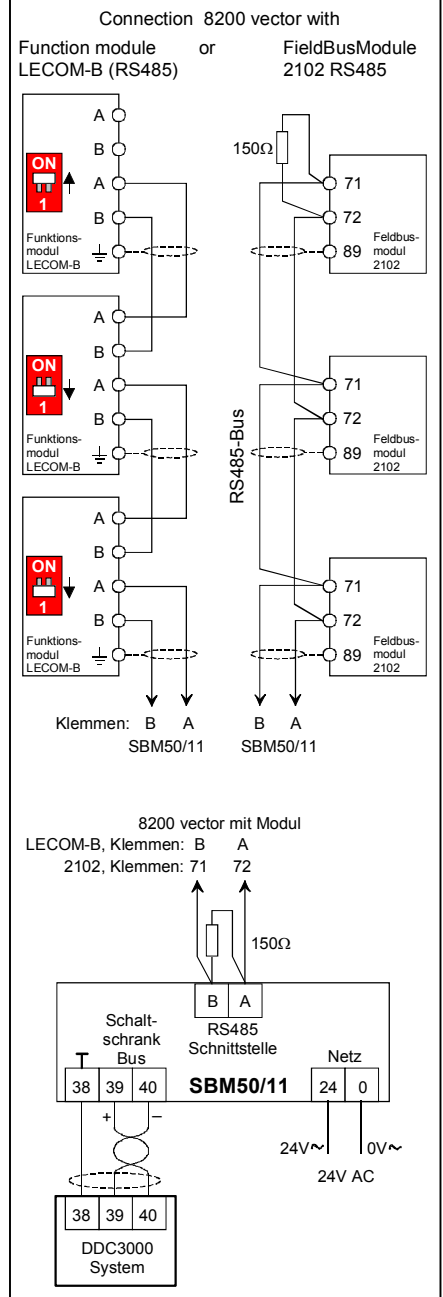
The electrical installation and the device connection may only be carried out by qualified personnel.

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 Ω must be included on both data lines one time (terminating resistor for the Central Control Unit is included in the accessory pack).
- The connection between the Control Cabinet Bus Module SBM50/11 and the frequency converter 8200 vector is carried out over the RS485 interface with a shielded cable. The frequency converter must be equipped with a field bus module 2102 RS485 or with a function module LECOM-B (RS485). The frequency converter (max. eight times) are connected in series to the Control Cabinet Bus Modules SBM50/11.
A terminating resistor 150Ω must be connected at both ends of the RS485 bus. In the function module LECOM-B (RS485), a internal terminating is already available. It can be activated with the switch 1 (set to ON). The terminating resistor 150Ω are connected at the terminal A – B to the SBM50/11 (two the terminating resistors are available with the SBM50/11).
For the connections and settings of the frequency converter 8200 Vector, the operating notice from LENZE is decisive.

Device connection

Up to 8 frequency converters of type 8200 Vector can be connected. At both ends of the RS485 bus, a terminating resistor 150 Ω should be connected or activated (LECOM-B: Switch 1 = ON).



Date 15.05.2001

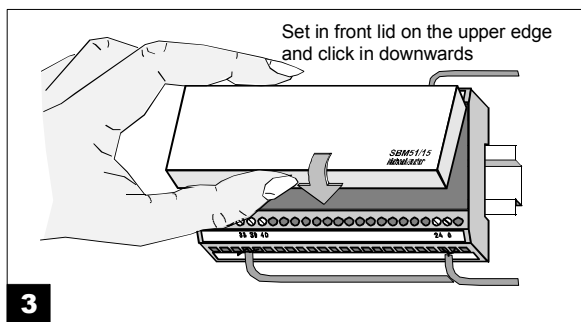
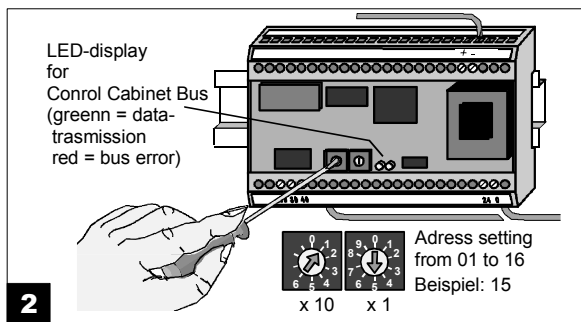
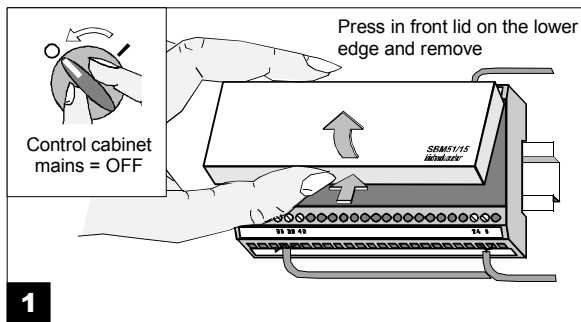
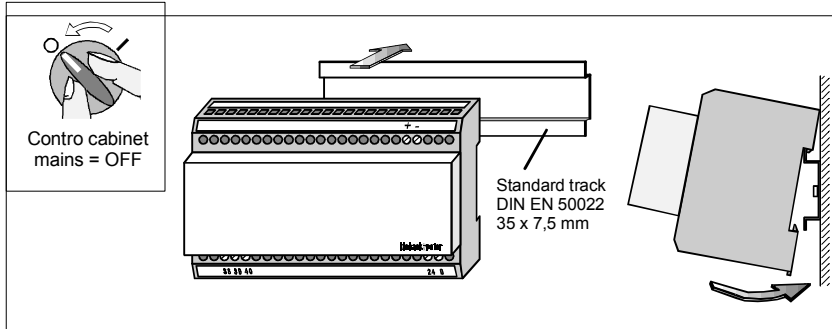
Mounting



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

Parameterization of the Control Cabinet Bus Module SBM50/11 is described in the engineering documentation of the DDC3000.