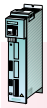

Option boards for the available slots (slot A and B) of Compact PLUS converters and inverters.

Communication Boards

CBP2

- Communication via PROFIBUS DP
- The CBP2 board supports PROFIBUS Profile V3 (slave-to-slave communication, acyclical communication with Master Class II).

CBC

- Communication via CAN Bus
- The CBC board supports CAN levels 1 and 2.

SLB

- Fast drive coupling via the SIMOLINK board (fiber-optic cable) with a maximum of 201 nodes.

Terminal Expansion Boards

EB1

- 4 bidirectional digital inputs/outputs
- 3 digital inputs
- 2 analog outputs
- 3 analog inputs

EB2

- 3 relay outputs with make contacts
- 1 relay output with change-over contact
- 2 digital inputs
- 1 analog output
- 1 analog input

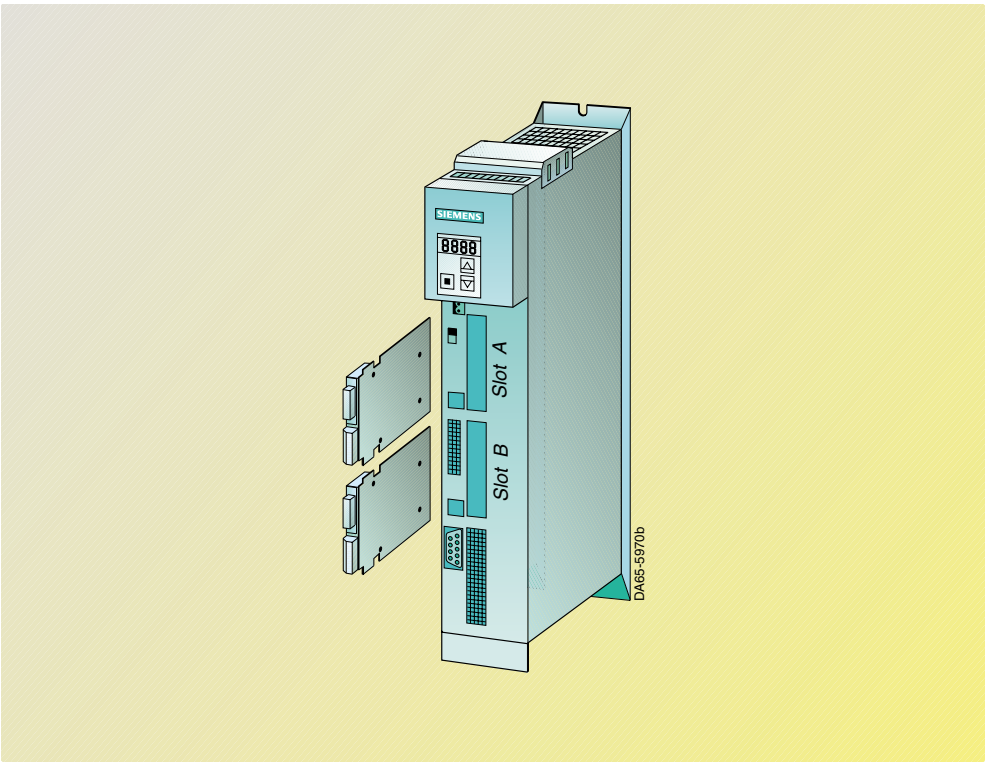

Fig. 6/58
Integration of option boards

Incremental Encoder Evaluation

SBP

- Evaluation of an external encoder or frequency generator, e.g. setpoint signal
- HTL or TTL level selectable

Notice

The base unit already has a motor encoder input (incremental encoder HTL).

The units can be supplied ex works with the corresponding option board. If this board is required, the option code must be quoted when ordering. A maximum of two option boards can be plugged in. Even two identical option boards are possible but please note the exceptions to this which are indicated. For a description of the option boards, see page 6/63 and the following.

Board	Slot A Supplementary order code	Slot B
CBP2	**G91**	**G92**
CBC	**G21**	**G22**
SLB [1]	**G41**	**G42**
EB1	**G61**	**G62**
EB2	**G71**	**G72**
SBP [1]	**C11**	**C12**

1) Only one board, either in slot A or slot B.

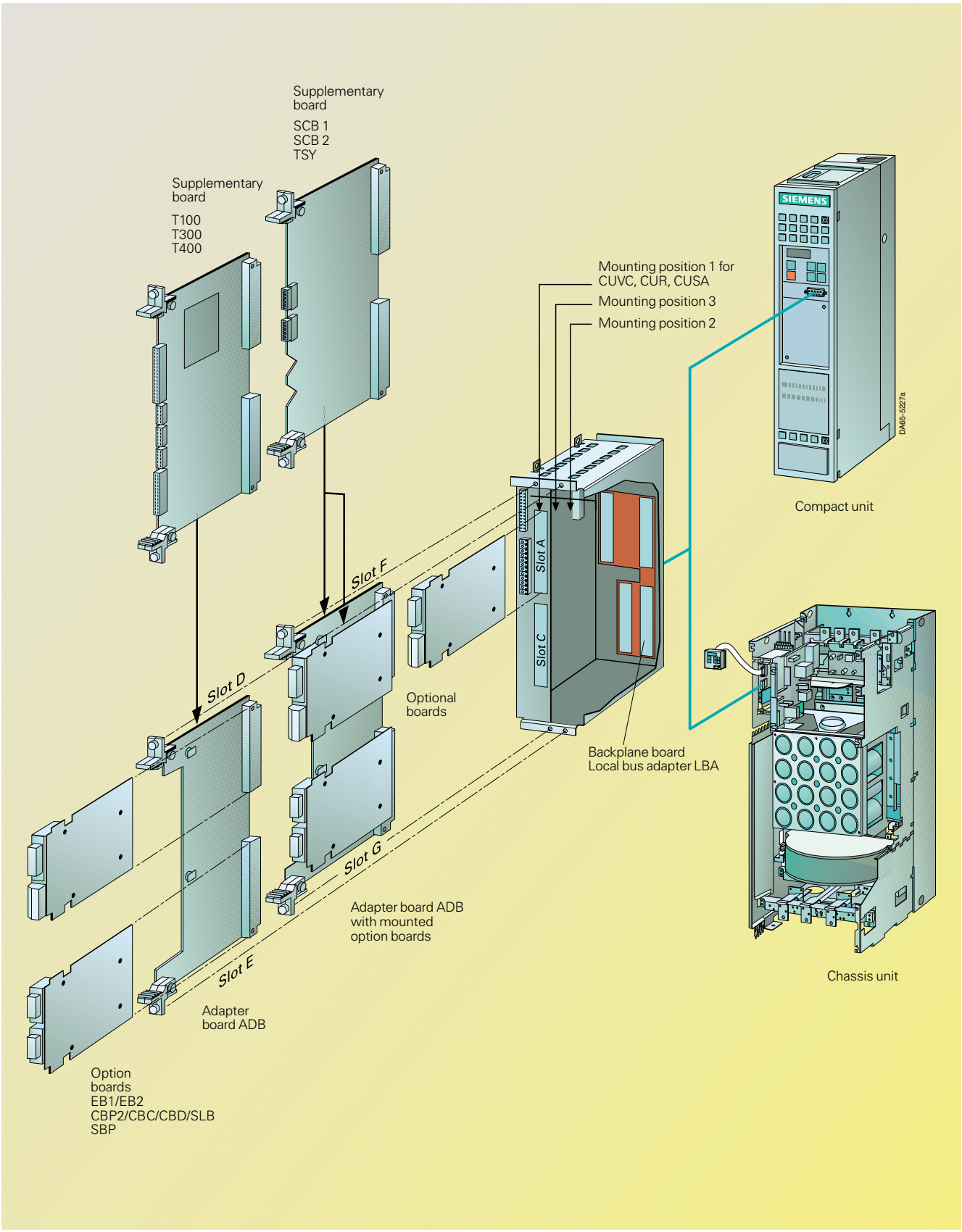

Fig. 6/59
Integration of the optional boards and supplementary boards in the electronics box of compact and chassis units

Integrating boards in the electronics box

Note

If technology boards (T100, T300, T400) are used, the following rules apply:

- Only one technology board can be used, in mounting position 2 only.
- Only one CB communication board can be used. It must be mounted in slot G using an ADB adapter board. The communication board communicates directly with the technology board (a condition for standard engineering).
- If a SIMOLINK board (SLB) is used, it is to be plugged into a slot on the basic electronics board. The SIMOLINK board communicates directly with the basic unit. Signal connections to the technology board can be established by means of BICO links.

Boards	Mounting position 1	Mounting position 3	Mounting position 2	Max. number of boards in the electronics box
Electronics box with CUVC control board - option board possibilities				
Boards		**LBA[1])**	**LBA[1])**	
Communication				
SCB1	CUVC	•	•	only one SCB1
SCB2	CUVC	•	•	or SCB2
Technology				
T100/T300/T400	CUVC	–	•	only one technology or
TSY	CUVC	•	•	synchronizing board
Option boards		ADB and LBA[2])	ADB and LBA[2])	
	Slot A Slot C	Slot F Slot G	Slot D Slot E	
Communication				
CBP2[3])	• •	• •	• •	max. two CBP2
CBC	• •	• •	• •	max. two CBC
SLB	• •	• •	• •	only one SLB
Expansion boards				
EB1	• •	• •	• •	max. two EB1
EB2	• •	• •	• •	max. two EB2
Incremental encoder boards				
SBP	• •	• •	• •	only one SBP
Electronics box with CUR or CUSA control board - option board possibilities				
Boards		**LBA[1])**	**LBA[1])**	
Communication				
SCB1	CUR/CUSA	•	•	only one SCB1
SCB2	CUR/CUSA	•	•	oder SCB2
Technology				
T100/T300	CUR/CUSA	–	•	only one technology or
TSY	CUR/CUSA	•	•	synchronizing board
Option boards		ADB and LBA[2])	ADB and LBA[2])	
	Slot A Slot C	Slot F Slot G	Slot D Slot E	
Communication				
CBP2	– –	– •	– •	only one CBP2
CBC	– –	– •	– •	only one CBC

• Possible mounting position – Mounting not possible

Note

Fig. 6/60 shows the technically possible equipment variants. Not all the variants can be ordered ex works via supplementary option codes.

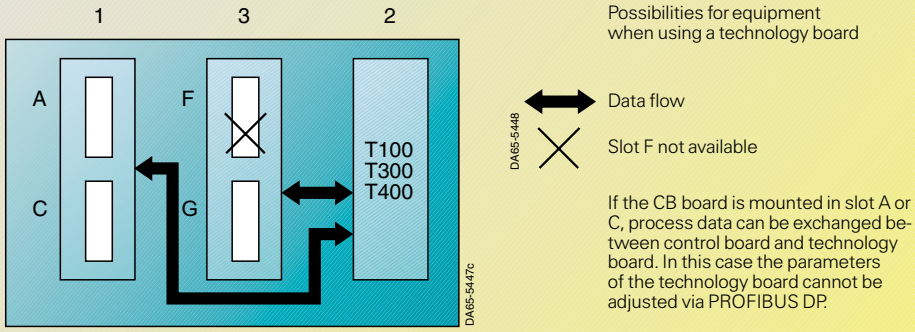

Fig. 6/60
Integration of boards in the electronics box

1) Supplementary board in mounting position 2 or 3 only possible with backplane bus LBA. When ordering LBA use the supplementary order code K11. Mounting position 3 can only be used if mounting position 2 is assigned.

2) Option boards in mounting position 2 or 3 only possible with backplane bus LBA and adapter board ADB. Supplement the Order No. with the supplementary order code K11 (LBA) and K01 (ADB in mounting position 2) or K02 (ADB in mounting position 3). Mounting position 3 can only be used if mounting position 2 is occupied.

3) For mechanical reasons only 90° angled PROFIBUS connectors can be used (e.g. 6ES7972–0BA11–0XA0). With swivel and axial connectors as well as OLP (Optical Link Plug), especially on compact units the front door cannot be closed anymore. With compact units version A the CBP2 should not be mounted in slot A because the parameterization unit PMU can touch the PROFIBUS connector if the front door is closed.