

SIMOVERT MASTERDRIVES Vector Control

Engineering Information

Compact and chassis units
Cabinet units

Integrating the options in the electronics box

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 SCB2	CUVC CUVC	• •	• •	only one SCB1 or SCB2
Technology T100/T300/T400 TSY	CUVC CUVC	– •	• •	only one technology or synchronizing board
Option boards	Slot A Slot C	ADB and LBA ²⁾ Slot F Slot G	ADB and LBA ²⁾ Slot D Slot E	
Communication CBP2 ³⁾ CBC SLB	• • • • • •	• • • • • •	• • • • • •	max. two CBP2 max. two CBC only one SLB
Expansion boards EB1 EB2	• • • •	• • • •	• • • •	max. two EB1 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 SCB2	CUR/CUSA CUR/CUSA	• •	• •	only one SCB1 or SCB2
Technology T100/T300 TSY	CUR/CUSA CUR/CUSA	– •	• •	only one technology or synchronizing board
Option boards	Slot A Slot C	ADB and LBA ²⁾ Slot F Slot G	ADB and LBA ²⁾ Slot D Slot E	
Communication CBP2 CBC	– – – –	– • – •	– • – •	only one CBP2 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.

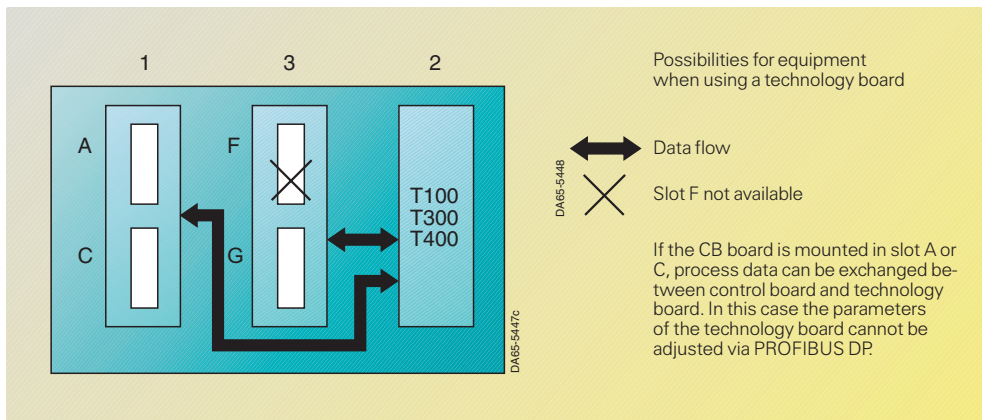


Fig. 6/60
Integration of boards in the electronics box

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.