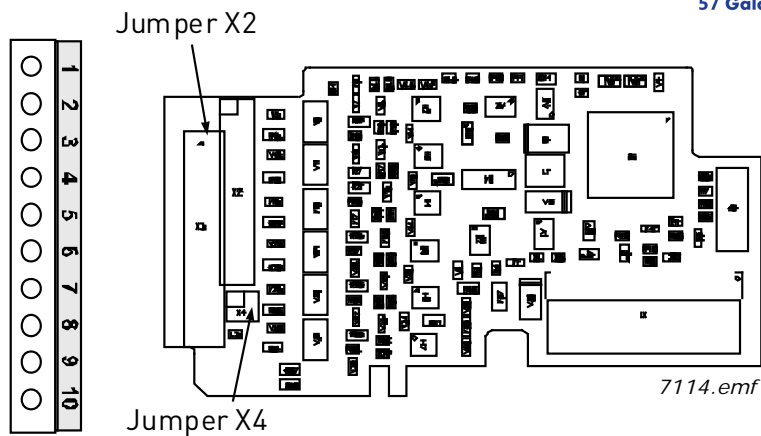


3.1 BOARD OPTB1



Description:	Option board with 6 bidirectional terminals.
Type ID:	16945
Terminals:	One terminal block; Screw terminals (M2.6); No coding
Jumpers:	2; X2 and X4

3.1.1 I/O TERMINALS ON OPTB1

Table 7. OPTB1 I/O terminals

OPTB1			
Terminal	Signal	Parameter reference	Technical information
1	Digital input DI01 Digital output DI01	DigIN SlotX.1 DigOUT SlotX.1	<u>Digital input</u> : 24 V; $R_i > 5 \text{ k}\Omega$ <u>Digital output</u> : Open collector, 50 mA/48 V
2	Digital input DI02 Digital output DI02	DigIN SlotX.2 DigOUT SlotX.2	See above.
3	Digital input DI03 Digital output DI03	DigIN SlotX.3 DigOUT SlotX.3	See above.
4	CMA		Common for DI01...DI03. NOTE: CMA is internally connected to GND with jumper by default.
5	Digital input DI04 Digital output DI04	DigIN SlotX.4 DigOUT SlotX.4	<u>Digital input</u> : 24 V; $R_i > 5 \text{ k}\Omega$ <u>Digital output</u> : Open collector, 50 mA/48 V
6	Digital input DI05 Digital output DI05	DigIN SlotX.5 DigOUT SlotX.5	See above.
7	Digital input DI06 Digital output DI06	DigIN SlotX.6 DigOUT SlotX.6	See above.
8	CMB		Common for DI04...DI06
9	GND		I/O ground; Ground for reference and controls.
10	+24 V		Control voltage output; Voltage for switches etc.; max. current 150 mA; Short-circuit protected.

NOTE: The 'X' given in the Parameter reference is replaced by the slot letter. The letter depends on the drive type used, see the Table 5 on page 18.

3.1.2 JUMPER SELECTIONS

On the OPTB1 board, there are two jumper blocks. The jumper block X2 is used to define the bidirectional terminal as either input or output. The other jumper block, X4, is used to connect the common terminals to GND. The factory default and other available jumper selections are presented below.

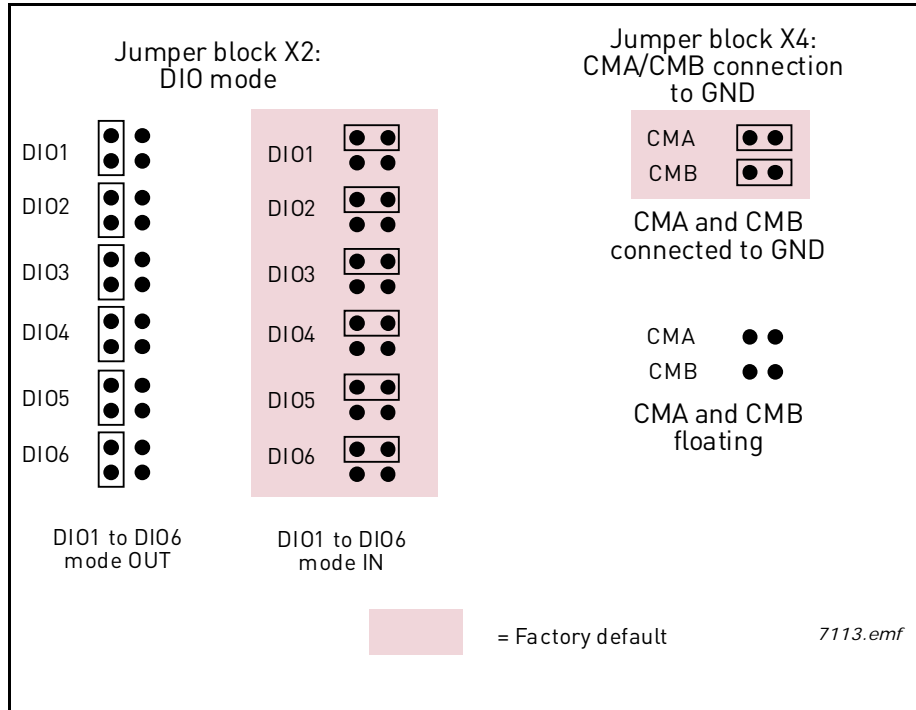


Figure 5. Jumper positions for OPTB1