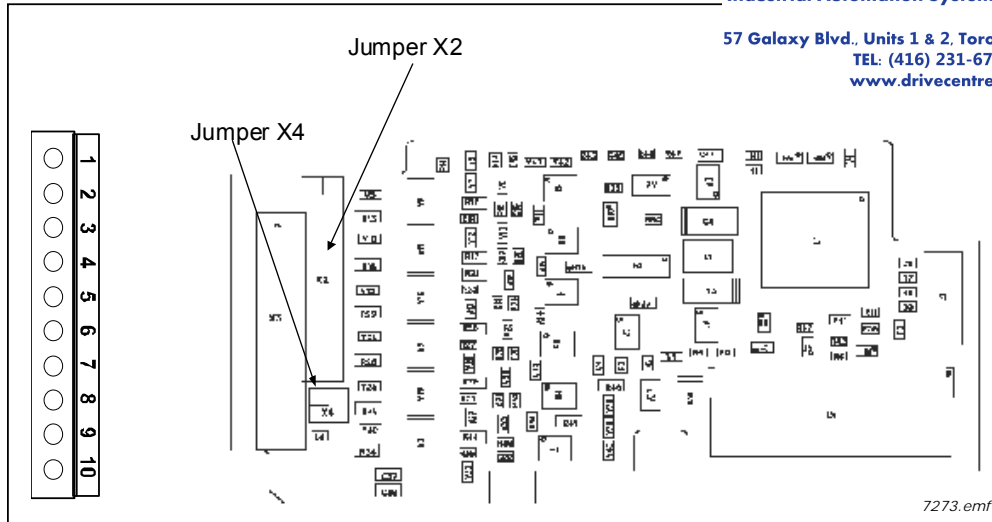


3.2.1 OPTB1



- Description: VACON® NX I/O expander board with six bidirectional terminals.
- Allowed slots: B, C, D, E
- Type ID: 16945
- Terminals: One terminal block; Screw terminals (M2.6); No coding
- Jumpers: 2; X2 and X4 (see page 55)
- Board parameters: None

I/O terminals on OPTB1

Table 24. OPTB1 I/O terminals

Terminal		Parameter reference Keypad/NCDrive	Technical information
1	DI01	DigIN: X.1 DigOUT: X.1	<u>Digital input:</u> 24V; R _i >5kΩ <u>Digital output:</u> Open collector, 50mA/48V
2	DI02	DigIN: X.2 DigOUT: X.2	See above.
3	DI03	DigIN: X.3 DigOUT: X.3	See above.
4	CMA		Common for DI01...DI03. Note: CMA is internally connected to GND with jumper by default.
5	DI04	DigIN: X.4 DigOUT: X.4	<u>Digital input:</u> 24V; R _i >5kΩ <u>Digital output:</u> Open collector, 50mA/48V
6	DI05	DigIN: X.5 DigOUT: X.5	See above.
7	DI06	DigIN: X.6 DigOUT: X.6	See above.
8	CMB		Common for DI04...DI06
9	GND		I/O ground; Ground for reference and controls.

Table 24. OPTB1 I/O terminals

Terminal		Parameter reference Keypad/NCDrive	Technical information
10	+24V		Control voltage output; Voltage for switches etc.; max. current 150mA; Short-circuit protected.

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.

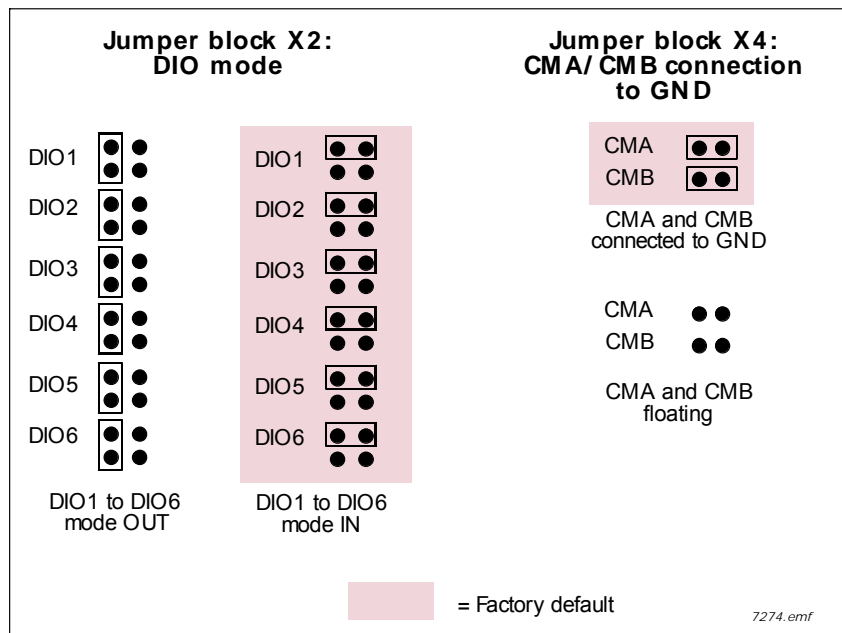


Figure 23. Jumper positions for OPTB1