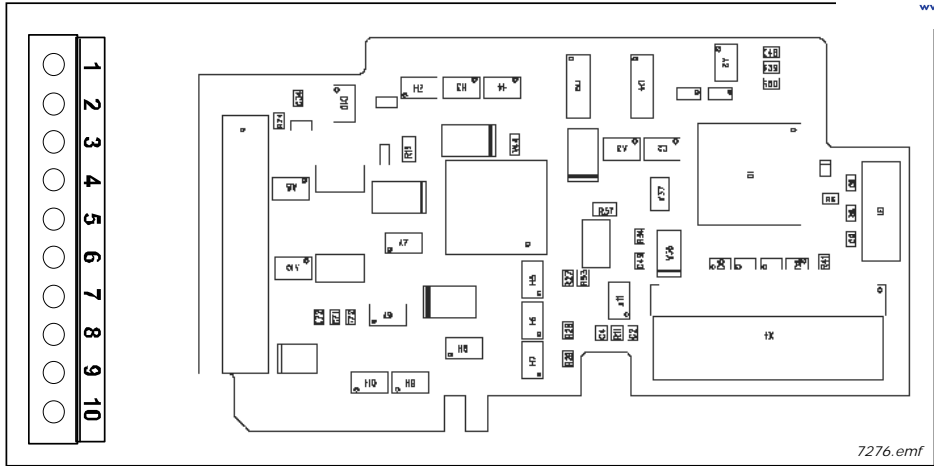### 3.2.3 OPTB4

7276.emf

Description:	VACON® NX I/O expander board with one galvanically isolated analogue input and two galvanically isolated analogue outputs (standard signals 0(4)...20mA).
Allowed slots:	B, C, D, E
Type ID:	16948
Terminals:	One terminal block; Screw terminals (M2.6); No coding
Jumpers:	None
Board parameters:	None

Local contacts: http://drives.danfoss.com/danfoss-drives/local-contacts/

I/O terminals on OPTB4

Table 26. OPTB4 I/O terminals

Terminal		Parameter reference Keypad/NCDrive	Technical information
1	AI1+	AnIN:X.1	0(4)...20mA; R_i=250Ω; galvanically isolated
2	AI1−		Resolution 10 bits/0.1%; Accuracy ±1% of the full display
3	AO1+	AnOUT:X.1	0(4)...20mA; R_L<500Ω; Resolution 10 bits/0.1%;
4	AO1−		Accuracy ≤ ±2% (galvanically isolated)
5	AO2+	AnOUT:X.2	0(4)...20mA; R_L<500Ω; Resolution 10 bits/0.1%;
6	AO2−		Accuracy ≤ ±2% (galvanically isolated)
7	GND		24V (±15%); Max. load 250mA (total load from EXT+24V outputs), max. 150mA from one board. See Figure 3 on page 6.
8	GND		
9	GND		24V (±15%), in special applications where PLC type functions are included in the control module, this input can be used as external auxiliary power supply for control boards as well as for I/O boards.
10	+24V		

NOTE: This expander board can be placed into four different slots on the control board. Therefore, the 'X' given in the Parameter reference must be replaced by the slot letter (B, C, D, or E) depending on the slot which the expander board is plugged into. See Chapter1.7.