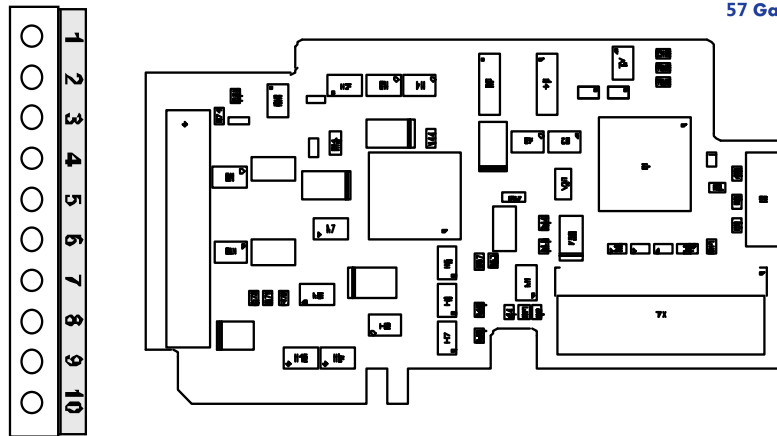


3.3 BOARD OPTB4



Description: I/O expander board with one galvanically isolated analogue input and two galvanically isolated analogue outputs (standard signals 0(4)...20 mA).
Type ID: 16948
Terminals: One terminal block; Screw terminals (M2.6); No coding
Jumpers: None

3.3.1 I/O TERMINALS ON OPTB4

Table 9. OPTB4 I/O terminals

OPTB4			
Terminal	Signal	Parameter reference	Technical information
1	AI1+	AnIN SlotX.1	0(4)...20 mA; $R_i=250 \Omega$; galvanically isolated Resolution 10 bits/0.1%; Accuracy $\pm 1\%$ of the full display
2	AI1-		
3	A01+	AnOUT SlotX.1	0(4)...20 mA; $R_L < 500 \Omega$; Resolution 10 bits/0.1%; Accuracy $\leq \pm 2\%$ (galvanically isolated)
4	A01-		
5	A02+	AnOUT SlotX.2	0(4)...20 mA; $R_L < 500 \Omega$; Resolution 10 bits/0.1%; Accuracy $\leq \pm 2\%$ (galvanically isolated)
6	A02-		
7	GND		24 V ($\pm 15\%$); Max. load 250 mA (total load from EXT+24 V outputs), max. 150 mA from one board. See Figure 1 on page 5.
8	GND		
9	GND		
10	+24 V		24 V ($\pm 15\%$), 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.

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.