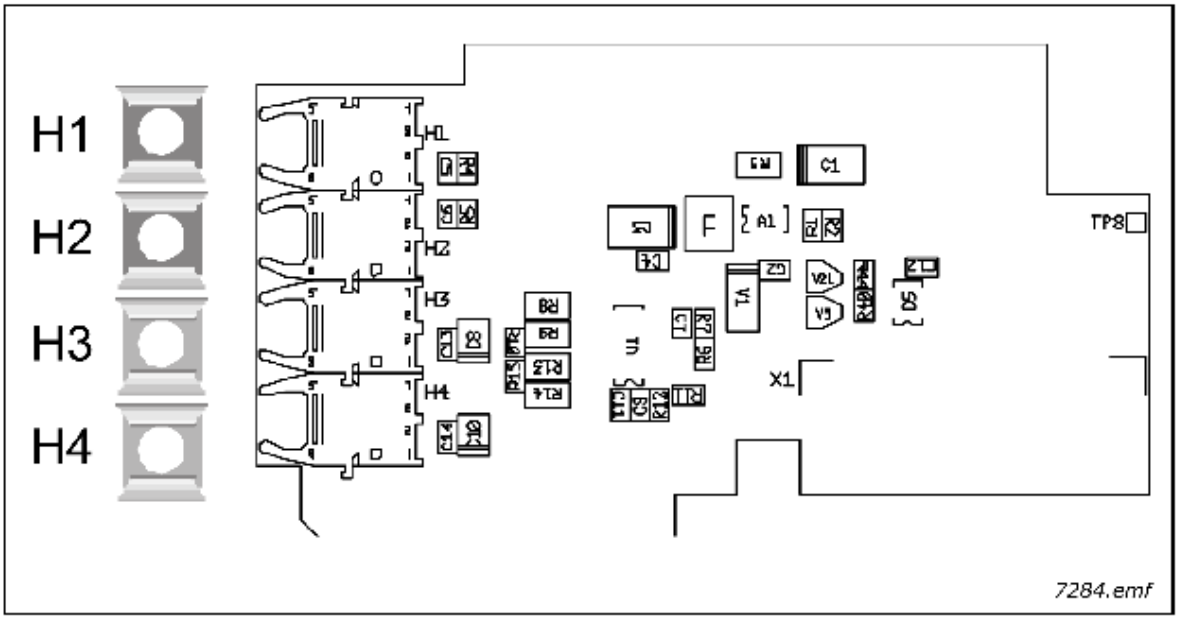
3.3.1 OPTD1



Description:	System Bus adapter board for VACON® NXP
Allowed slots:	D, E
Type ID:	17457
Terminals:	Double optical input and output terminals. Agilent HFBR-1528 (Receiver), HFBR-2528 (Transmitter).
Jumpers:	None
Board parameters:	None

I/O terminals on OPTD1

Table 39. OPTD1 I/O terminals

Terminal		Technical information
1	H1	System Bus optical input 1 (RX1) Use 1-mm optical cable (e.g. Agilent HFBR-RUS500 & HFBR-4531/4532/ 4533 connectors)
2	H2	System Bus optical input 2 (RX2) Use 1-mm optical cable (e.g. Agilent HFBR-RUS500 & HFBR-4531/4532/4533 connectors)
3	H3	System Bus optical output 1 (TX1) Use 1-mm optical cable (e.g. Agilent HFBR-RUS500)
4	H4	System Bus optical output 2 (TX2) Use 1-mm optical cable (e.g. Agilent HFBR-RUS500)

NOTE: The terminals of the board are protected with a rubber pin. Be sure to leave the pin in the unused terminals in order to avoid disturbances.

Connections between AC drives with OPTD1

Basic connection:

Connect the output 1 of Device 1 to the input 2 of Device 2 and the input of Device 1 to the output 2 of Device 2. Note that in the end devices one terminal pair remains unused. See Figure 24 below.

Table 40.

Max. number of devices in line	Max. speed achieved [Mbit/s]
3	12
6	6
12	3
24	1.5

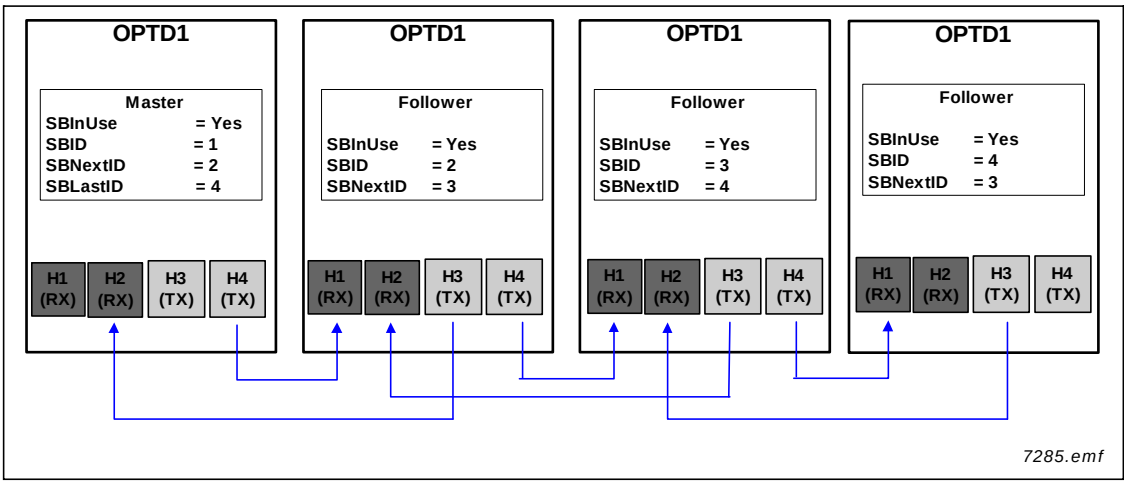


Figure 24. Basic connection of AC drives with OPTD1