Accessories

Adapter board BX4 CxD

For combination with
Brushless DC-Servomotos with integrated Motion Controller:
2232...BX4 CxD, 2250...BX4 CxD

Part No.: 6501.00113

	6501.00113	
Temperature range:		
– Operating temperature	– 10 … + 65	°C
Dimension and Weight:		
– Dimension (L x B x H)	60 x 50 x 15	mm
– Weight	30	g

Note: All switches are in the "OFF" position in the as-delivered condition. These switches must be set accordingly depending on the application.

General information

The adapter board is used to connect Brushless DC-Servomotors with integrated Motion Controller and a serial RS232 or CAN interface.
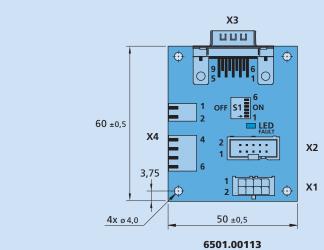
The different operating modes can be selected using the 6 DIP switches.
A Brushless DC-Servomotor with integrated Motion Controller can be connected to each adapter board.

Description of DIP switch (S1) settings

1: Fault   ON   Pull-up resistor with LED connected to adapter board.
         OFF   Open collector

2: Term   ON   120 Ω terminating resistor for the final node in the CAN network connected to the adapter board.
         OFF   Terminating resistor not connected

3: CAN [1]   ON   Operation with CAN interface
         OFF   Deactivated

4: RS232 [1]   ON   Operation with RS232 interface
         OFF   Deactivated

5: NETMODE   ON   Pull-down resistor (2,2 k Ω) for RS232 wiring connected. This may only be connected to a node in the RS232 network.
         OFF   Deactivated

6: AGND   ON   AGND and GND interconnected.
         OFF   AGND and GND disconnected (with separate ground).

[1] The pin assignments of X3 depend on the position of switches 3 and 4 of DIP switch S1.

Connection

Pin	Connection X1
1	3. In
2	+24V
3	GND
4	An In
5	AGND
6	Fault
7	RS-232 RxD / CAN-L
8	RS-232 TxD / CAN-H

Pin	Connection X2
1	3. In
2	+24V
3	GND
4	An In
5	AGND
6	Fault
7	RS-232 RxD / CAN-L
8	RS-232 TxD / CAN-H
9	n.c.
10	n.c.

at RS232 operation [1]

Pin	Connection X3
2	RS-232 / RxD
3	RS-232 / TxD
5	GND

at CAN operation [1]

Pin	Connection X3
2	CAN_L
3	GND
7	CAN_H

Pin	Connection X4
1	+24V
2	GND
3	An In
4	AGND
5	Fault
6	3. In

LED	Status
■	LED illuminates no error fault output switched to GND
□	LED does not illuminate error fault output high-impedance

Dimensional drawing and connection information

Scale reduced

6501.00113

Connection

Nr.	Function
X1, X2	Motor connector
X3	RS232 / CAN
X4	Supply connector; I/O

Nr.	Switch
S1	DIP-switch (6 switches)