

Accessories

Programming Adapter CxD for Motion Control Systems V2.5 RS232/CAN interface

Part No.: 6501.00113

6501.00113

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

Description of DIP switch (S1) settings

1: Fault	ON	Pull-up resistor with LED connected to programming adapter.
	OFF	Open collector
2: Term	ON	120Ω terminating resistor for the final node in the CAN network connected to the programming adapter.
	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 kΩ) 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.

Pin assignment

Pin	Connection X1	Pin	Connection X2
1	3. In	1	3. In
2	+24V	2	+24V
3	GND	3	GND
4	An In	4	An In
5	AGND	5	AGND
6	Fault	6	Fault
7	RS-232 RxD / CAN-L	7	RS-232 RxD / CAN-L
8	RS-232 TxD / CAN-H	8	RS-232 TxD / CAN-H
		9	n.c.
		10	n.c.

at RS232 operation¹⁾

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

at CAN operation¹⁾

Pin	Connection X3
2	CAN_L
3	GND
7	CAN_H

Pin Connection X4

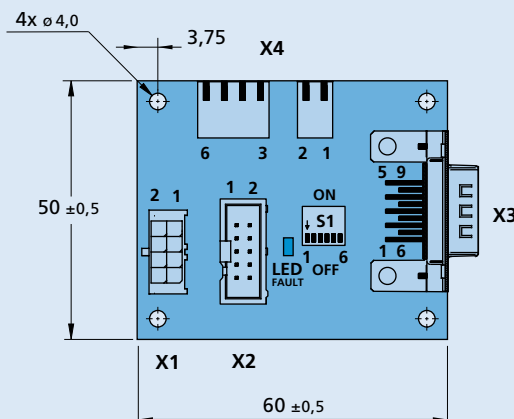
1	+24V
2	GND
3	An In
4	AGND
5	Fault
6	3. In

LED Status

<input checked="" type="checkbox"/>	LED illuminates no error fault output switched to GND
<input type="checkbox"/>	LED does not illuminate error fault output high-impedance

Dimensional drawing and connection information

Scale reduced



Connection

No.	Function
X1, X2	Motor connector
X3	RS232 / CAN
X4	Supply connector; I/O

No. Switch

S1	DIP-switch (6 switches)
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