

Accessories

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

Part No.: 6501.00065

		6501.00065	
Temperature range:			
- Operating temperature		- 10 ... + 65	°C
Dimension and Weight:			
- Dimension (L x B x H)		64 x 44,5 x 13,8	mm
- Mass		29,5	g

Note: The board has installation feet for 35 mm mounting rails.

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 (10 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).

Pin assignment

Pin	Connection X1	Pin	Connection X2	Wires
1	3. In	1	RS-232 TxD	green
2	GND	2	RS-232 RxD	yellow
3	+24V	3	AGND	grey
4	An In	4	Fault	white
5	Fault	5	An In	brown
6	AGND	6	+24V	pink
		7	GND	blue
		8	3. In	red



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

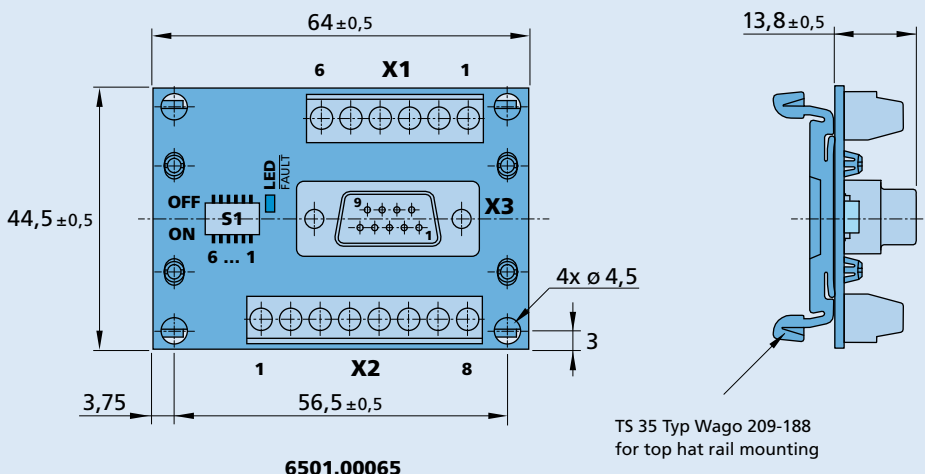
LED Status

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

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

Dimensional drawing and connection information

Scale reduced 



Connection

No.	Function
X1	Supply connector; I/O
X2	Motor connector
X3	RS-232 / CAN

No. Switch

S1	DIP-switch (6 switches)
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