

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 |

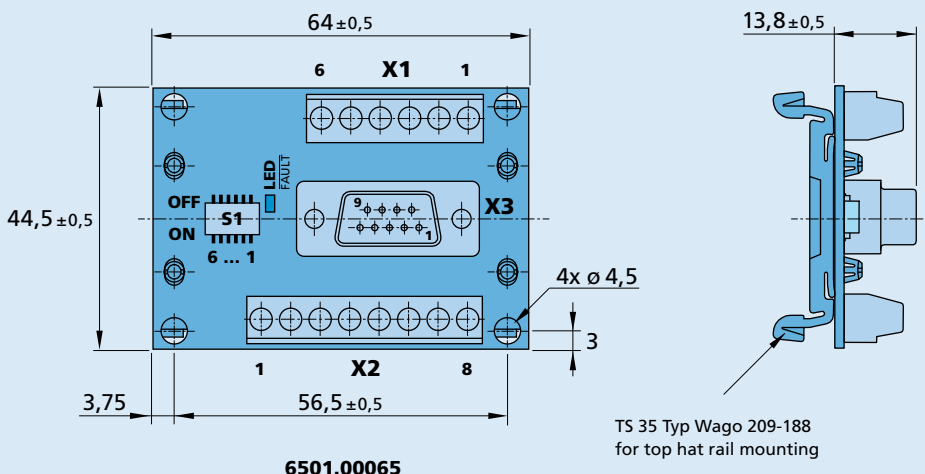
LED Status

| | | |
|--|-------------------------|------------------------------|
| | LED illuminates | no error |
| | LED does not illuminate | 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) |
|----|-------------------------|