

## Accessories

### Programming Adapter CSD for Motion Control Systems V2.5 Mini USB interface

**Part No.: 6501.00135**

**6501.00135**

Temperature range:		
– Operating temperature	– 10 ... + 65	°C
Dimension and Weight:		
– Dimension (L x B x H)	60 x 50 x 15	mm
– Mass	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 programming adapter is used to connect Brushless DC-Servomotors with integrated Motion Controller and a USB 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.

#### Driver installation

The driver is included in the setup package of FAULHABER Motion Manager (from version 5.2), which can be downloaded from the FAULHABER internet site [www.faulhaber.com/MotionManager](http://www.faulhaber.com/MotionManager).

For detailed informations to install the driver please see instruction manual of programming adapter USB.

#### Description of DIP switch (S1) settings

1: Fault	ON	Pull-up resistor with LED connected to programming adapter.
	OFF	Open collector
2: N.C.		
3: N.C.		
4: USB	ON	Operation with USB
	OFF	Deactivated
5: N.C.		
6: AGND	ON	AGND and GND interconnected.
	OFF	AGND and GND disconnected (with separate ground).

#### 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 Rx/D	7	RS-232 Rx/D
8	RS-232 Tx/D	8	RS-232 Tx/D
		9	n.c.
		10	n.c.

Connection X3
USB

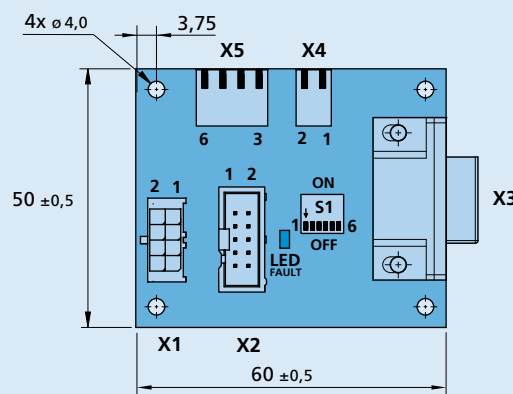
Pin	Connection X4/X5
1	+24V
2	GND
3	An In
4	AGND
5	Fault
6	3. In

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



**6501.00135**

#### Connection

No.	Function
X1, X2	Motor connector
X3	USB
X4, X5	Supply connector; I/O

#### No. Switch

S1	DIP-switch (6 switches)
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