

## Accessories

### Programming Adapter MCS for Motion Control Systems V3.0 USB interface

**Part No.: 6501.00284**

		6501.00284	
Temperature range:			
– Operating temperature		– 10 ... + 65	°C
Dimension and Weight:			
– Dimension (L x B x H)		80 x 52 x 27,5	mm
– Mass		56	g

**Note:** All switches are in the "ON" 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 and for the parameter set-up of Motion Control Systems series MCS.

The programming adapter is to be operated via an USB interface. Therefore the installation of a special USB driver is required.

#### Driver installation

The driver is included in the setup package of FAULHABER Motion Manager (from version 6), which can be downloaded from the FAULHABER internet site [www.faulhaber.com/MotionManager](http://www.faulhaber.com/MotionManager).

The driver files are included in the installation register of the FAULHABER Motion Manager.

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

1: N.C.	OFF	
2: N.C.	OFF	
3: USB	ON	Operation with USB interface
	OFF	Deactivated
4: N.C.	OFF	
5: AGND	ON	AGND and GND interconnected.
	OFF	AGND and GND disconnected (with separate ground).
6: DigOut2	ON	Pull-up resistor with LED connected to programming adapter.
	OFF	Open collector
6: DigOut2	ON	Pull-up resistor with LED connected to programming adapter.
	OFF	Open collector

<sup>1)</sup> Jumper connected: common power supply for motor and electronics.

#### Pin assignment

##### Connection X1

USB

##### Pin Connection X3 <sup>1)</sup>

1	U <sub>mot</sub>
2	U <sub>p</sub>

##### Pin Connection X4

1	GND
2	U <sub>p</sub>

##### Pin Connection X5

1	GND
2	U <sub>p</sub>
3	U <sub>mot</sub>
4	EGND

##### Pin Connection X6

1	GND
2	U <sub>mot</sub>


##### Pin Connection X7

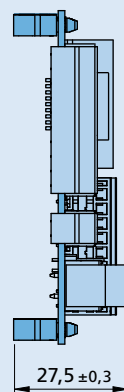
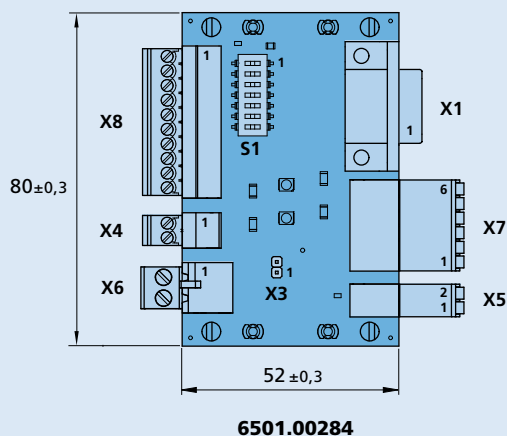
1	GND
2	RxD
3	TxD
4	+5V
5	DigOut1
6	DigOut2
7	DigIn1
8	DigIn2
9	DigIn3
10	AnIn1
11	AGND
12	AnIn2

##### Pin Connection X8

1	GND
2	+5V
3	DigOut1
4	DigOut2
5	DigIn1
6	DigIn2
7	DigIn3
8	AnIn1
9	AGND
10	AnIn2

#### Dimensional drawing and connection information

Scale reduced 



#### Connection

No.	Function
X1	USB
X3	Jumper voltage supply
X4	Voltage supply electronics
X5	Voltage supply MCS
X6	Voltage supply motor
X7	I/O MCS
X8	I/O application

#### No. Switch

S1	DIP-switch (7 switches)
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