

Accessories

Programming Adapter MCS for Motion Control Systems V3.0 RS232/CAN interface

Part No.: 6501.00283

		6501.00283	
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 Controller series MCS with serial RS232 or CAN interface.

The different operating modes can be selected using the 7 DIP switches. A Motion Control System can be connected to each programming adapter.

Description of DIP switch (S1) settings

1: 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
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: RS232 ¹⁾	ON	Operation with RS232 interface
	OFF	Deactivated
4: CAN ¹⁾	ON	Operation with CAN interface
	OFF	Deactivated
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
7: DigOut1	ON	Pull-up resistor with LED connected to programming adapter.
	OFF	Open collector

¹⁾ The pin assignments of X1 depend on the position of switches 3 and 4 of DIP switch S1.

²⁾ Jumper connected: common power supply for motor and electronics.

Pin assignment

at RS232 operation¹⁾

Pin	Connection X1
2	RS-232 / RxD
3	RS-232 / TxD
5	GND

Pin Connection X3²⁾

1	U _{mot}
2	U _p

Pin Connection X5

1	GND
2	U _p
3	U _{mot}
4	EGND

Pin Connection X7

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

at CAN operation¹⁾

Pin	Connection X1
2	CAN_L
3	GND
7	CAN_H

Pin Connection X4

1	GND
2	U _p


Pin Connection X6

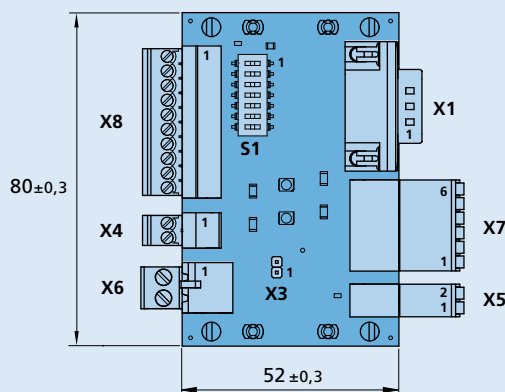
1	GND
2	U _{mot}

Pin Connection X8

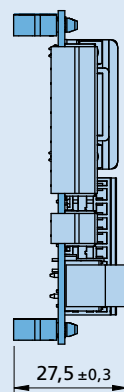
1	GND
2	+5V
3	DigOut1
4	DigOut2
5	DigIn1
6	DigIn2
7	DigIn3
8	AnIn1
9	AGND
10	AnIn2

Dimensional drawing and connection information

Scale reduced 



6501.00283



Connection

No.	Function
X1	RS232 / CAN
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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