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 120 Ω 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 operation [1]

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

Pin	Connection X3 [2]
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 operation [1]

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
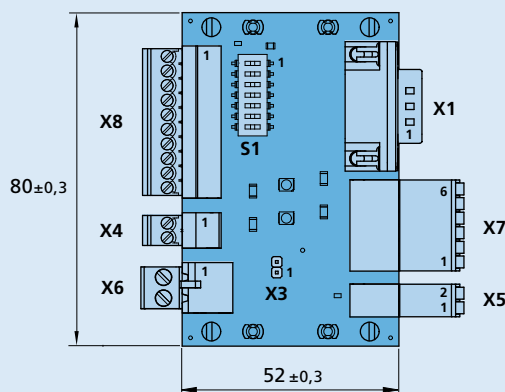
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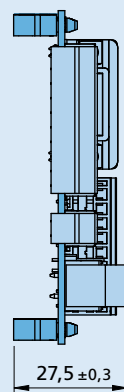
Connection

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)

For detailed information regarding FAULHABER accessories please refer to the instruction manuals.
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Specifications subject to change without notice.