

Accessories

Adapter board MCxx 3002

For combination with
Motion Controller:
MCDC 3002 S / F, MCBL 3002 S / F, MCLM 3002 S / F

Part No.: 6501.00121

6501.00121

Temperature range: – Operating temperature	– 10 ... + 65	°C
Dimension and Weight: – Dimension (L x B x H)	47,5 x 31,5 x 15	mm
– Weight	21	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 adapter board is used to connect and for the parameter set-up of Motion Controller series MCxx 3002 S / F with serial RS232 or CAN interface.

The different operating modes can be selected using the 6 DIP switches. A Motion Controller can be connected to each adapter board.

Description of DIP switch (S1) settings

1: Fault	ON	Pull-up resistor with LED connected to adapter board.
	OFF	Open collector
2: Term	ON	120Ω terminating resistor for the final node in the CAN network connected to the adapter board.
	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 (2,2 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).

Connection

at RS232 operation¹⁾

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

at CAN operation¹⁾

Pin	Connection X1
2	CAN_L
3	GND
7	CAN_H



Pin Connection X2 / X3

Pin	Connection X2 / X3
1	+24V
2	GND
3	An In
4	AGND
5	Fault
6	3. In

Pin Connection X4

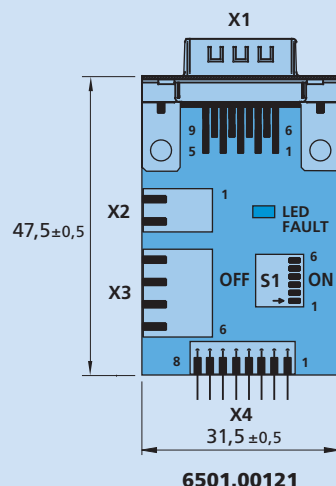
Pin	Connection X4
1	RS232 TxD / CAN-H
2	RS232 RxD / CAN-L
3	AGND
4	Fault
5	AnIn
6	U _s
7	GND
8	3. In


LED Status

	LED illuminates	no error fault output switched to GND
	LED does not illuminate	error fault output high-impedance

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

Dimensional drawing and connection information



Scale reduced 

Connection

Nr.	Function
X1,	RS232 / CAN
X2 / X3	Supply connector; I/O
X4	Controller connector

Nr.	Switch
S1	DIP-switch (6 switches)