

Datasheet**Motorcontroller for DC-Motors 24V**Technical Data (shortform):

Power:	Ub = 24VDC +20/-10%
Standby current:	60mA
Inputs:	4 digital inputs, isolated 2x inputs for hall sensor A/B or similar
Outputs:	for DC motor up to 14A (continuous), short circuit protected, max. 30A (1 sec.) 1 relay output (NO/NC)
Interface:	RS232, CAN-Bus
Housing:	DIN rail housing type Phoenix Contact BC 161,6
Dimensions:	162mm x 90mm x 60mm (length x height x depth)

<u>Functions:</u>	inputs 24V for deadman's control or pushbutton control RS232-interface for communication and positioning start ramp stop at overcurrent (dynamic)
-------------------	--

<u>Options:</u>	analog input 0-10V Analog output 0-10V digital outputs 24V (for e.g. end position signal) rpm control analog output referring to position additional digital inputs
-----------------	--

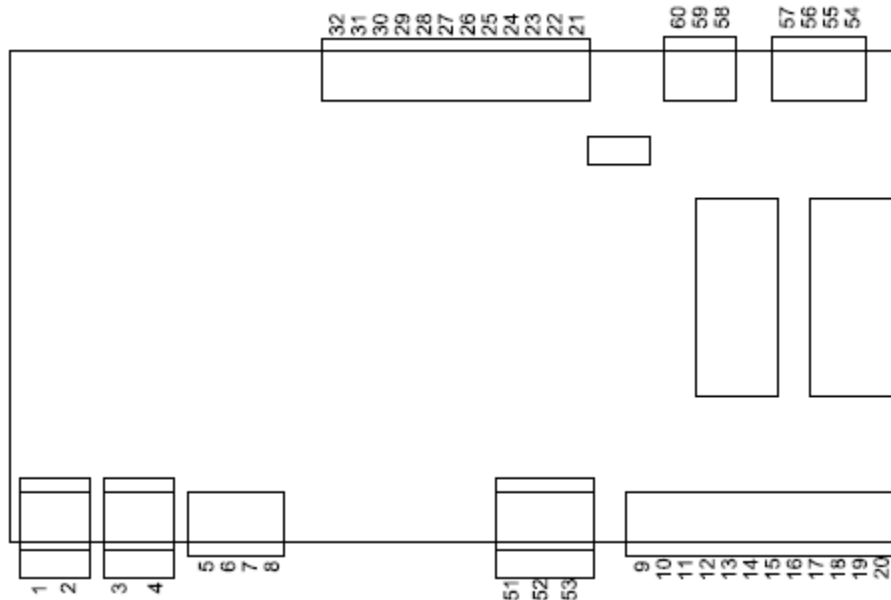
Image:

Terminal assignment:

Terminal Nr.	Name	Description	Name	Alternate function
1	+24V	Power +		
2	VGND	Power ground		
3	MOTA	Motor connection A (plus)		
4	MOTB	Motor connection B (minus)		
5	INI+	Hall sensor plus		
6	INIA	Hall input A		
7	INIB	Hall input B		
8	INGND	Hall sensor ground		
9	+24V	Power for pushbutton or isolated contact, max. 100mA		
10	+24V	Power for pushbutton or isolated contact, max. 100mA		
11	DIN1+	Digital input 1 plus		
12	DIN1-	Digital input 1 minus		
13	DIN2+	Digital input 2 plus		
14	DIN2-	Digital input 2 minus		
15	DIN3+	Digital input 3 plus		
16	DIN3-	Digital input 3 minus		
17	DIN4+	Digital input 4 plus		
18	DIN4-	Digital input 4 minus		
19	GND	Reference ground for inputs		
20	GND	Reference ground for inputs		
21	+10V	+10V-output for potentiometer		
22	AIN	Analog input		
23	AIGND	Reference ground for analog input		
24	AOUT	Analog output	DI5	Digital input 5
25	AOGND	Reference ground for analog output	DI6	Digital input 6
26	DI5	Digital input 5	DI7	Digital input 7
27	DI6	Digital input 6	DI8	Digital input 8
28	DO1	Digital output 1		
29	DO2	Digital output 2		
30	DO3	Digital output 3		
31	DO4	Digital output 4		
32	DGND	Reference ground for digital inputs/outputs		
51	COM	Relay contact common		
52	NO	Relay contact NO		
53	NC	Relay contact NC		
54	+24VC	CAN-Bus +24V		
55	CANH	CAN-H		
56	CANL	CAN-L		
57	GNDC	CAN-GND		

Terminal Nr.	Name	Description	Name	Alternate function
58	GND232	RS232 GND		
59	TXD	RS232 TXD		
60	RXD	RS232 RXD		

Terminal assignment (drawing):



Standard configuration of inputs:

Digital input 1 = pushbutton motor UP

Digital input 2 = pushbutton motor DOWN

All other inputs are configurable with PC-based user interface (GUI) „REM-control“

Examples for typical configurations:

- a) input 3 and 4 for end position switches
- b) input 3 = reference switch, input4 = positioning command, inputs 5-8 = position number (BCD coded)