

EM-324C

Sterownik szczotkowych silników DC

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Sterownik silnika DC, 2Q, 12-24V DC, 3A



- 10-35 V DC, 3 A prąd ciągły, 7 A prąd szczytowy (przy 16 kHz)
- Częstotliwość PWM: 2 kHz lub 16 kHz
- Wejścia cyfrowe dla wyłączników krańcowych
- Rampy startu i hamowania oraz ograniczenie prądu
- Kompaktowa budowa, montaż na szynie DIN

OPIS PRODUKTU

EM-324 is a full bridge DC-motor starter. It is designed to work with DC-motor in applications where some special functions are needed. Starter has adjustable acceleration and deceleration ramps, which make possible the smooth starts and stops. Adjustable current limit protects motor against overcurrent and it can also be used as an end-stop. This device has also two settable speeds, which are usefull in positioning applications. Control inputs FW and BW start the forward and backward run. STOP is for the motor shut-down but there are also available individual limit inputs for FW and BW directions. SPEED-2 input activates preset speed-2, but it can also be used as input for analog speed control signal 0-5V. FAULT terminal has at the same time input and output function, the pin is normally high, but is pulled down in overheat and conditionally also in current trip situation. If FAULT-line is pulled down externally it will cause a stop and prevent the new start. For example, it is possible to link fault pins of several units together and achieve a synchronous stop.

There are two selectable control modes, continuous and impulse. In continuous mode the motor runs as long as the control is active. In impulse mode a short comand starts the motor, and only a new impulse will change the status. There is also few special settings start-kick and auto reverse. The card has selectable input logics. Inputs are divided in two groups, control and limit -inputs. Groups can be individually set for NPN or PNP logic. The parameters are set with EM-236 interface unit. Operation of the controller and some of its functional values can also be monitored with EM-236 interface unit.

FEATURES

- small size
- high current output
- current limit
- zero current limit
- overvoltage brake
- speed setting
- flexible control inputs
- impulse / continuous mode
- rail base mountable
- 2KHz or 16kHz pwm frequency
- for motor 5-50W
- digital parameter setting

* Motor current cont. max. 3A, peak 7A (@ 16kHz Ta >50°C)

Motor current cont. max. 4A, peak 7A (@ 2kHz Ta >50°C)

SPECYFIKACJA TECHNICZNA

2053_Current limit (A)	0,1-7
2421_Peak current (A)	7
5646_Dimensions length x width x height (mm)	32.5x73x38 mm
Częstotliwość PWM	2kHz/16kHz

Dostawca	Electromen
Maksymalny prąd ciągły	3 A
Masa	25 g
Montaż	szyna DIN
Napięcie zasilania	12 V DC, 24 V DC
Odpowiedni silnik	Szczotkowy DC
Rodzaj sterowania	Prędkość, Kierunek, Moment, Soft start/stop
Sygnał niski - logiczne 0	<1V = OFF
Sygnał wysoki - logiczne 1	>4V = ON
Temperatura pracy	-40°C...+60°C
Wejście analogowe	0-5V
Zakres ustawień prądu	0.1-5 A

