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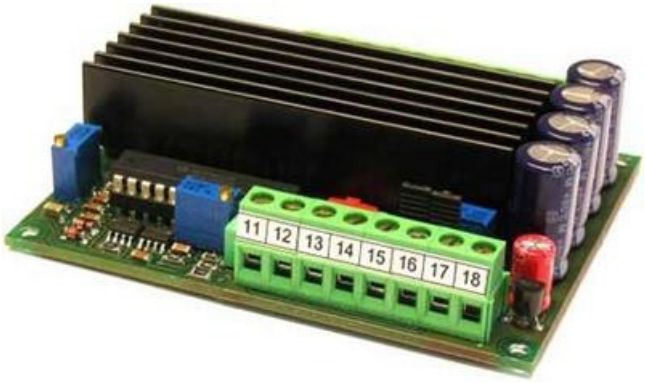
EM-206

Sterownik silników BLDC

EM-206
Sterownik silnika BLDC, 4Q, 12-36V DC, 10A



- 12-56 V DC, 10/5 A prąd ciągły, 15/7 A prąd szczytowy
- Praca w pętli otwartej lub zamkniętej (sprzężenie zwrotne z czujników Halla)
- Praca czterokwadrantowa
- Dostępne napięcie sterowania ±10 V
- Kompaktowa budowa, montaż na szynie DIN

OPIS PRODUKTU

EM-206 is a DC-motor controller that is designed for brushless motors with hall sensor feedback. The unit has a mosfet-type high efficiency power stage. EM-206 can be connected to motors using 60º or 120º commutation. The unit is equipped with standard controls, such as speed, stop, reversing and braking. Mechanical installation can be done with screws or by using a rail mounting base.
There are two control options. Direct control (open loop) sets motor voltage in proportion to control voltage, as with a standard DC-motor. Frequency locked control (closed loop) uses hall sensor feedback for speed set besides commutation set. This way a precise speed control is attained. Closed loop response can be altered so that the adjustment remains stabile in given application. Speed control signal can be scaled with trimmers.
Current limit restricts motor torque when motor current exceeds set value. Current limit can be set with a trimmer or with external signal. Fault output indicates the operation of the current limit. EM-206 is protected against surge voltage and overheating (excess load). The unit requires an external fuse.
As an option, EM-A1 expansion card can be installed, this makes it possible to control EM-206 with ±10V signal.

FEATURES:
• Three phase output
• Continuous speed adjustment
• Reversing
• Braking
• ±10V control option
• Hall sensor supply and input
• 60º or 120º commutation
• Settable / controllable current limit
• Fault output
• Open or closed loop activity
• High efficiency
• Rail base mountable

SPECYFIKACJA TECHNICZNA

Dimensions length x width x height	89x73x25 mm
Dostawca	Electromen
Maksymalny prąd ciągły	10 A
Masa	130 g
Montaż	szyna DIN
Napięcie zasilania	12 V DC, 24 V DC, 36 V DC
Odpowiedni silnik	Bezszczotkowy DC
Peak current	15

Rodzaj sterowania	Hamowanie, Kierunek, Prędkość, Moment
Sygnał niski - logiczne 0	<1V = OFF
Sygnał wysoki - logiczne 1	>3V = ON
Wejście analogowe	0-5V lub 0-10V lub ±10V
Zakres ustawień prądu	0-15 A