

EM-241-SAF

Regulator pozycji szczotkowych silników DC

EM-241-SAF

Regulator pozycji 12-24V DC, 15A, sprzężenie analogowe 0-5V, 0-10V



- 12-24 V DC, 15 A prąd ciągły, 30 A prąd szczytowy
- Sprzężenie zwrotne analogowe 0-5.5 lub 0-11 V DC
- Maks. dokładność pozycjonowania 0.2%
- Kompaktowa budowa, montaż na szynie DIN

OPIS PRODUKTU

EM-241-SAF is a positioning driver to be used with DC-motors. The solid state power stage operates with high efficiency as it is realized with FET-transistors. Its literally everlasting compared to relay solutions. Control and feedback is done with analog signal. Control signal can be a voltage in range of 0 to 11V or current from 0 to 20mA. Feedback signal can be in the range from 0 to 11V. Driver supports also a potentiometer feedback, with auxiliary voltage outputs of 0V and 5,5V to excite the potentiometer. The max. accuracy available for positioning is 0,2% that is adequate for most actuator positioning applications. The settings and adjustments are done with parameters as in all new generation Electromen products. Movement range can be modified from both ends with SW-limit parameters. Current limits and driving speeds can be set individually for both directions. Driver includes also many other dynamic adjustment possibilities like parameters for load compensation, dead-zone setting (positioning window), start and stop ramps for a smooth direction change and braking zone for well operating positioning. The parameter setting and status monitoring is done with EM-236 Interface Unit. With EM-236 the right parameters can also be easily copied to other driver units. The on-board LED-light indicates the possible fault situations with blinking codes. If needed, the fault can be forwarded through combiport to other driver cards. Alternatively this port can be set to give out the "position OK" information or it can even indicate the position with an analog voltage signal. Device is EMC tested for industrial and household environment and operating temperature range is quite wide. There are also some housing options available for EM-241-SAF driver card.

FEATURES

- analog feedback
- voltage or mA control
- position accuracy max. 0,2%
- solid state power stage
- small size, great performance
- digitally settable parameters
- versatile dynamic settings
- housing options available
- CE marked

SPECYFIKACJA TECHNICZNA

2421_Peak current (A)	30
5646_Dimensions length x width x height (mm)	72x42x25 mm
Częstotliwość PWM	2kHz
Dostawca	Electromen
Maksymalny prąd ciągły	15 A
Masa	80 g
Montaż	szyna DIN

Napięcie zasilania	12 V DC, 24 V DC
Odpowiedni silnik	Szczotkowy DC
Rodzaj sterowania	Prędkość, Kierunek, Moment, Pozycja, Soft start/stop
Sygnał niski - logiczne 0	<1V = OFF
Sygnał wysoki - logiczne 1	>4V = ON
Temperatura pracy	-40°C...+60°C
Wejście analogowe	0-5.5V, 0-11V lub 0-20mA
Zakres ustawień prądu	0.1-20A

