

Brushless DC motor Driver BLDC-8015A



Changzhou ACT Motor Co., Ltd

BLDC Stepper Motor Driver
BLDC8015A
DC: 24~80V



Electrical Parameters	
Power	24~80VDC
Current output	Rated 15A , Peak 45A (≤3s)
Driving mode	SPWM
Insulation Res	> 500MΩ
Dielectric Strength	500V/min
Weight	About 300g

Environmental Requirements	
cooling method	Self cool
Environment	Avoid dust, oil mist and corrosive gases
Temperature	0~+50°C
Humidity	<80% RH, no condensation, no frosting
Shock	5.7m/s ² Max.
Storage temp	-20~+125°C

Overview

BLDC series brushless DC motors and drives are high-tech products for the field of low-power motor drag. With the rapid development of electronic technology, the process and performance of electronic products are constantly updated and improved. This product uses ultra-large-scale hardware integrated circuits, with high anti-interference and fast responsiveness, and control performance from traditional DC motors. Compared with the advantages of maintenance-free, long life and constant torque.

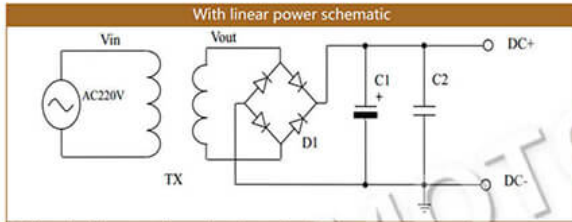
- Features**
- SPWM , Speed/Current alike close loop technology, smooth rotation
 - Speed output, Alarm output (O.C.)
 - Over current, over voltage, stall, missing speed Alarm
 - 60°/300°/120°/240°Electrical angle adjustable
 - Speed regulation : potentiometer adjust / Analog input
 - Run/Step, Quick Brake, CW/CCW rotation shift

Usage Scenario

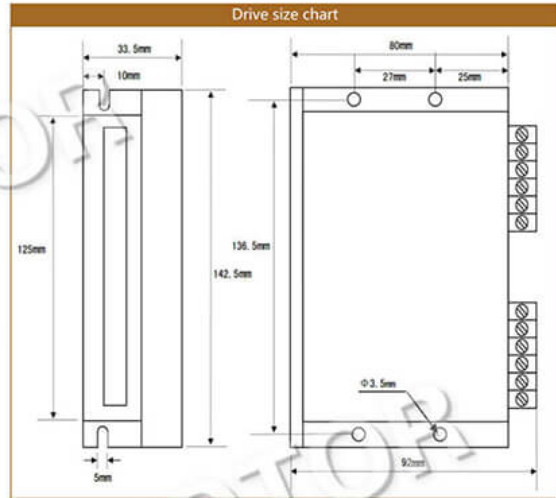
This product is suitable for driving any low-voltage three-phase brushless DC motor with peak current below 15A and power supply voltage within 80V. It is widely used in a series of electrical automation control such as knitting equipment, medical equipment, food machinery, power tools, garden machinery, etc. field.

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TX is an isolation transformer that determines its parameters based on the power supply load. Generally, the output voltage of the transformer is determined according to the output DC voltage requirement, and the DC voltage $V_{DC} \approx 1.414 \times V_{out}$ after rectification and filtering. When used in the BLDC-8015A driver, the recommended voltage output is AC21 ~ 28V. Among them: the transformer capacity is determined according to the load current; C1 is the electrolytic capacitor, the recommended parameters are: 100V/2200uF; C2 is the non-inductive surge absorbing capacitor, the recommended parameters are: 400V/0.22 uF; D1 rectifier bridge parameters are based on load current and output voltage And set.



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Product link : <https://www.act-motor.com/brushless-dc-motor-driver-bldc-8015a.html>