

Brushless DC motor Controlled corotation&inversion 12V 3000rpm 12V 24V Low noise long life with signal output

Item specifics

Efficiency:IE 2
Output Power:5w
Protect Feature:Totally Enclosed
Type:Micro Motor
Construction:Permanent Magnet
Certification:CE
Speed(RPM):6000rpm
Commutation:Brushless
Voltage(V):24v /12V

Shaft Diameter: 3.0 mm

Shaft Length: 9 mm

Special note: do not pick up the is negative, or you will burn out internal drive, as a result of wrong burn out motor can't return.

Connection method

Red line: positive, positive and negative extremely can be wrong;

Black line: connect power negative, positive and negative extremely can be wrong;

White line: positive &negative line, disconnected, a motor steering, together with black line to connect the cathode, the motor reverse;

Blue line: PWM speed control line, 0 ~ 5 v pulse width speed governor

The yellow line: FG signal lines

Specifications

1.Standard Operating Conditions

1-1 Rated Voltage:12V24v.

1-2 Direction of Rotation:CW when viewed from output shaft side

1-3Operating Temperature and Humidity:Temperature range of -10C~+50C,Humidity range of 30%~80%.

1-4Storage Temperature:Temperature range of -20C~+60C

2.Measuring Conditions:

2-1Motor Position:To be place t horizontally when measuring

2-2Power Supply: Regulated DC power supply

--Shaft length:9mm

--No load speed:6000rpm,3000rpm.

--Shaft diameter: 3mm

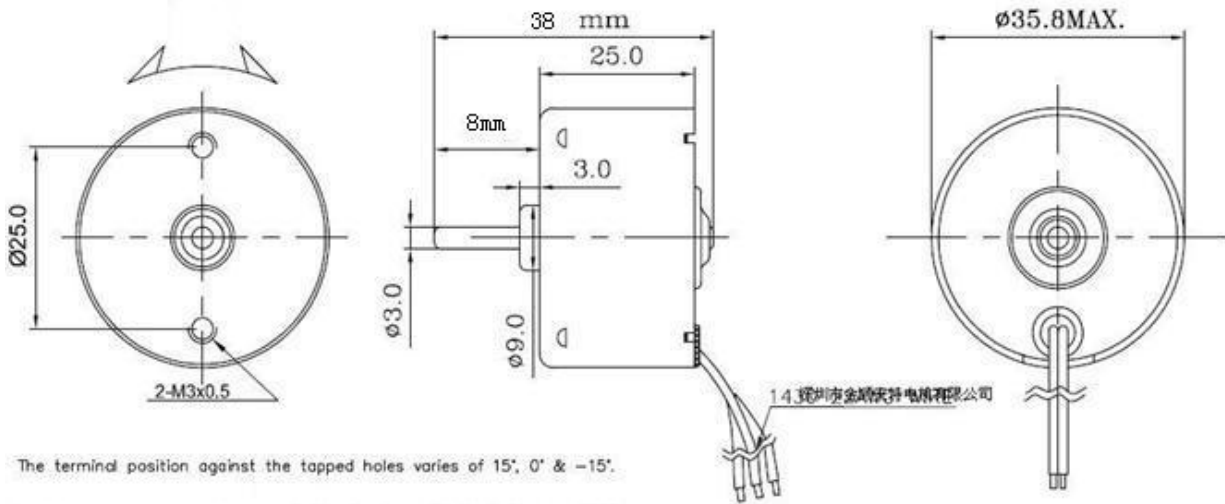
--Wattage: 2.5W,5W

--Robotics, Small Appliance, Fanner, Electric Curtain;

--Medical Pump, Surgery Tools, Medical Stirrer, centrifugal Machine; Electric Valve, Actuator, medical device

--Electric motor,low noise,low current and no spark.

Direction Of Rotation



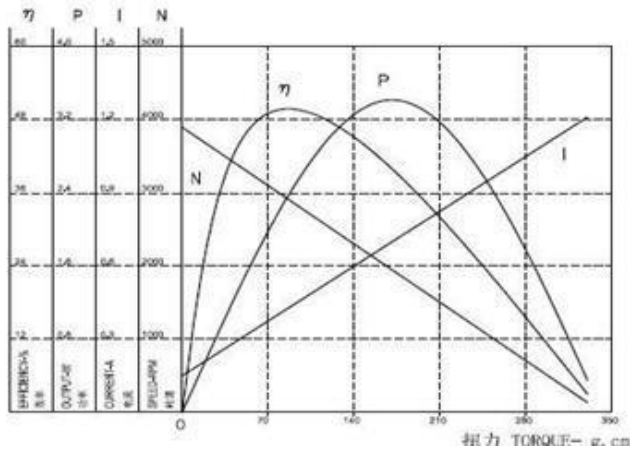
The terminal position against the tapped holes varies of 15°, 0° & -15°.

Usable male screw length engaged into the tapped hole is 3.5 mm MAX.

Unit(单位): mm

Y036025I-0120301

12V



Functions and Features

- Three-phase bipolar drive
- CW/CCW Select: High=CW/Low=CCW
- Start/Stop Control: High=Start/Low=Stop
- PWM Input:
 - $f_{in}=20\text{HZ to }200\text{Hz}$.
 - Duty Cycle=5% to 95%
- The motor has over current protective function
- Terminal for input signal of motor revolution