Double Shaft DC Gear Motor Encoder 12V Hall-coded Tachymetry Signal Feedback Reduce Speed 150rpm JGY370 Moter Car Robot

Introduction of the motor

1. Name of the motor: JGY-370B 12V Mini Worm Gear Motor Encoder In DC Motor

2. Rated voltage have DC 12V

3. 150rpm

Rated torque between 0.2 To 26.5 KG.CM; stall torque: between 0.9-45KG, it is recommended that your project load not exceed the rated torque; Select a no load speed in DC 6V, there will be corresponding rated torque and stall torque, please refer to the parameter table below.

4. DC 12V ; You can choose the no load speed have : 6rpm/10rpm/18rpm/23rpm/30rpm/40rpm/66rpm/90rpm/150rpm

Rated torque between 0.2 To 26.5 KG.CM; stall torque: between 0.9-45KG, it is recommended that your project load not exceed the rated torque; Select a no load speed in DC 12V, there will be corresponding rated torque and stall torque, please refer to the parameter table below.

5. DC 24V ; You can choose the no load speed have :150rpm

Rated torque between 0.2 To 26.5 KG.CM; stall torque: between 0.9-45KG, it is recommended that your project load not exceed the rated torque; Select a no load speed in DC 24V, there will be corresponding rated torque and stall torque, please refer to the parameter table below.

6. Direction of rotation of the motor: CW Or CCW, Support Reversed;

Control the clockwise or counterclockwise rotation of the motor by changing the way the positive and negative electrodes are connected

7. The motor has a self-locking function ;

After disconnect the power supply, the shaft can be securely locked, can not easy to move by other force. When your project is not connected to the power, you can make your project safely stay somewhere. It can be used for some special purpose.Such as Anti-theft sliding doors.

8. The shaft shape of the motor : D type, please refer to the size chart below for all dimensions of the motor.

9. Gear material: Metal gears make the motor last longer

10. The speed of the motor can be adjusted using the speed controller.

11. The motor has standard noise when working. If your project has requirements for the working noise of the motor, please consult us before purchasing. We will give you some suggestions. Thank you.

When the motor is reversed, the working sound of the motor will be greater than the forward rotation, which is normal.

12. Motor DC power connection is safe; the experiment proves that the motor voltage is lower than 36V without any danger.

13. This motor is suitable for a variety of micro-automation equipment. As long as you confirm that the motor voltage and torque of your choice are suitable for the voltage and load of your project before purchase, there is no limit to the scope of use of this motor.

For example, Electric curtains ; Billboard motors ; Household appliances etc.

Hall encoder introduction

1. Outer diameter size: 25mm

2. Number of Halls: 2 Hall elements have a two-phase AB output, Hall is a unipolar Hall

3. Magnetic ring material: diameter 14mm; thickness 5.5mm; encoder inner hole suitable for mounting motor shaft diameter 2mm

4. Hall voltage: 5V/3.3V

5. Line speed : Basic pulse number 11PPR ; The motor rotates one turn and outputs 11 pulses.

6. Basic functions: It has a pull-up shaping resistor, and the MCU can be directly connected.

7. Interface Type : PH 2.0

8. Output signal type : Square wave AB phase

9. Response frequency : 100KHz

10. The number of magnetic ring trigger stages is 22 (11 pairs)

11. Gearbox resolution of the motor = 11 pulses * reduction ratio

Line Wiring Method

1. Red line : DC power supply positive pole connected to the motor

(Control the clockwise or counterclockwise rotation of the motor by changing the way the positive and negative electrodes are connected

2. Black wire : The negative power supply required to connect the encoder 3.3V / 5V

(Note: the positive and negative poles cannot be connected incorrectly)

3. Yellow wire : signal feedback line; The motor rotates one turn and outputs 11 signals.

4. Green line : signal feedback line; The motor rotates one turn and outputs 11 signals.

5. Blue line : The positive power supply required to connect the encoder 3.3V / 5V

(Note: the positive and negative poles cannot be connected incorrectly)

6. White wire : Connect the negative DC power supply of the motor

(Control the clockwise or counterclockwise rotation of the motor by changing the way the positive and negative electrodes are connected)