

12V DC Gear Motor Encoder Photoelectric Encoder Motor 6-24V 8.6-977rpm Optical Encoder Motor With Encoding disc

Item specifics

Efficiency:IE 2
 Continuous Current(A):0.13A-0.3A
 Voltage(V): 12V
 Output Power:4.5w 3.3W
 Torque: 0.25 kg.cm-40kg.cm
 Type:Gear Motor
 Construction:Permanent Magnet
 Protect Feature: Totally Enclosed
 Usage:Car,Electric Bicycle
 Certification:CE,ROHS

Speed(RPM):

12V: 1600rpm 1000rpm 530rpm 333rpm 178rpm 111rpm 76rpm 60rpm 37rpm 20rpm 12rpm
 24V: 1600rpm 1000rpm 530rpm 333rpm 178rpm 111rpm 76rpm 60rpm 37rpm 20rpm 12rpm

Remark: Pls confirm the voltage and speed before ordering.

Specifications

1.Standard Operating Conditions

- 1-1 Rated Voltage: **12V 24V**
- 1-2 Direction of Rotation: CW when viewed from output shaft side
- 1-3 Operating Temperature and Humidity: Temperature range of **-10C~+50C**, Humidity range of **30%~80%**.
- 1-4 Storage Temperature: Temperature range of **-20C~+60C**

2.Measuring Conditions:

- 2-1 Motor Position: To be placed horizontally when measuring
- 2-2 Power Supply: Regulated DC power supply
- No load speed: **12-1600rpm**.
- 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.

Line function definition

The two root yellow line is the motor poles

The green line and white line is pulse output line, theory with a can, at the same time with two can test the motor turning

Encoder power wiring is red and the black, red for positive, black for negative, 3.5-5 v voltage

Note: red and black line never wrong, or you will burn out the encoder.

Relation about Voltage and speed (rpm)

JGB37-3530光电编码器参数表

型号	电压		空载		额定负载				堵转		
	范围	测试	转速	电流	转速	电流	扭力	功率	扭力	电流	
速比	v	r/min	A	r/min	A	kg. cm	W	kg. cm	A		
24V10000	6.3	12-24	24	1600	0.13	1450	0.4	0.3	4.5	1.25	2
	10	12-24	24	1000	0.13	900	0.4	0.5	4.5	2	2
	18.8	12-24	24	530	0.13	480	0.4	1	4.5	3.7	2
	30	12-24	24	333	0.13	300	0.4	1.5	4.5	6	2
	56	12-24	24	178	0.13	160	0.4	2.8	4.5	11	2
	90	12-24	24	111	0.13	100	0.4	4.5	4.5	18	2
	131	12-24	24	76	0.13	69	0.4	6.5	4.5	26	2
	168	12-24	24	60	0.13	54	0.4	8.4	4.5	33	2
	270	12-24	24	37	0.13	30	0.4	13.5	4.5	54	2
	506	12-24	24	20	0.13	18	0.4	25	4.5	60	2
810	12-24	24	12	0.13	10	0.4	40	4.5	60	2	
12V10000	6.3	6-12	12	1600	0.3	1280	0.6	0.25	3.3	1.25	3
	10	6-12	12	1000	0.3	800	0.6	0.4	3.3	2	3
	18.8	6-12	12	530	0.3	424	0.6	0.75	3.3	3.7	3
	30	6-12	12	333	0.3	266	0.6	1.2	3.3	6	3
	56	6-12	12	178	0.3	140	0.6	2.2	3.3	11	3
	90	6-12	12	111	0.3	88	0.6	3.6	3.3	18	3
	131	6-12	12	76	0.3	60	0.6	5	3.3	26	3
	168	6-12	12	60	0.3	48	0.6	6.7	3.3	33	3
	270	6-12	12	37	0.3	29	0.6	11	3.3	54	3
	506	6-12	12	20	0.3	16	0.6	20	3.3	60	3
810	6-12	12	12	0.3	9.5	0.6	32	3.3	60	3	