

6V-24VDC Rated Voltage Rotate Speed Reduction Electric Permanent Magnet DC Geared Motor Encoder coding device

Item specifics

Efficiency:IE 1
 Continuous Current(A):0.3a/0.12a
 Voltage(V):dc 12V
 Output Power:1.25w
 Torque: 0.11kg.cm-12kg.cm
 Type:Gear Motor
 diameter: 25mm
 Construction:Permanent Magnet
 Protect Feature: Explosion-proof
 Usage:Car,Electric Bicycle
 Certification:CE,ROHS
 Speed(RPM):
 12V: 977rpm 463rpm 201rpm 126rpm 95rpm 55rpm 41rpm 25rpm 19rpm 11rpm 8.6rpm

Remark:Pls confirm the voltage and speed before ordering.

Specifications

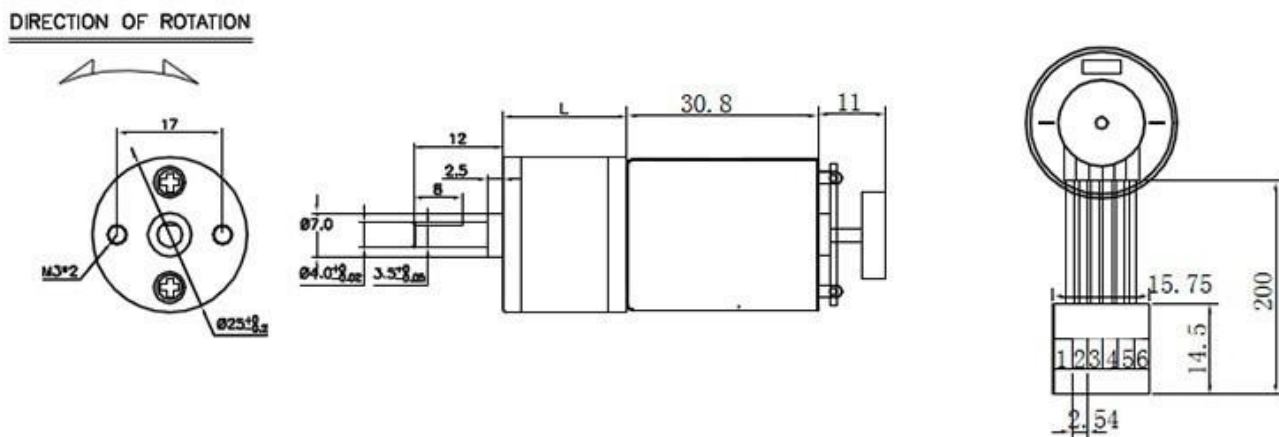
1.Standard Operating Conditions

- 1-1 Rated Voltage: **12V**
- 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
- No load speed:**8.6-977rpm**.
- 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.
- Reduction ratio: **1/4,4,1/9,28,1/21,3,1/34,1/45,1/78,1/103,1/171,1/226,1/378,1/5**

Size:



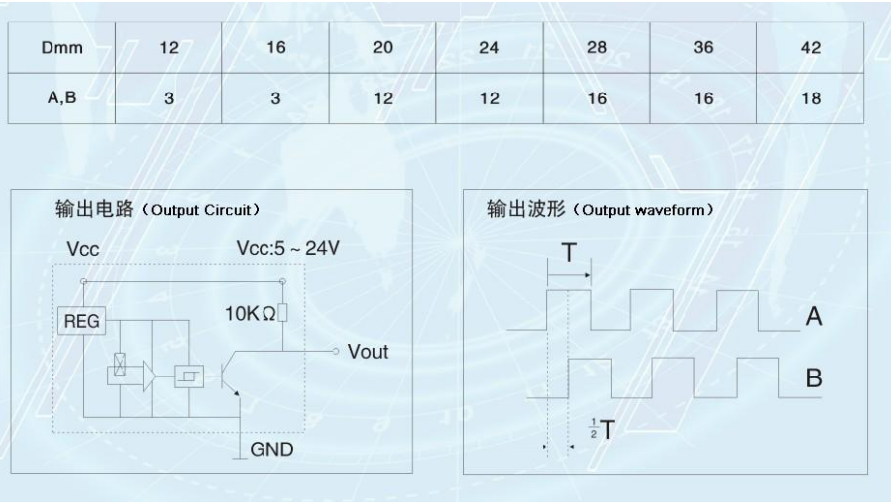
Parameter:

Operating voltage: Between 6 V and 24 V DC
 Nominal voltage:12 V DC
 Operating temperature:-40°C~120°C

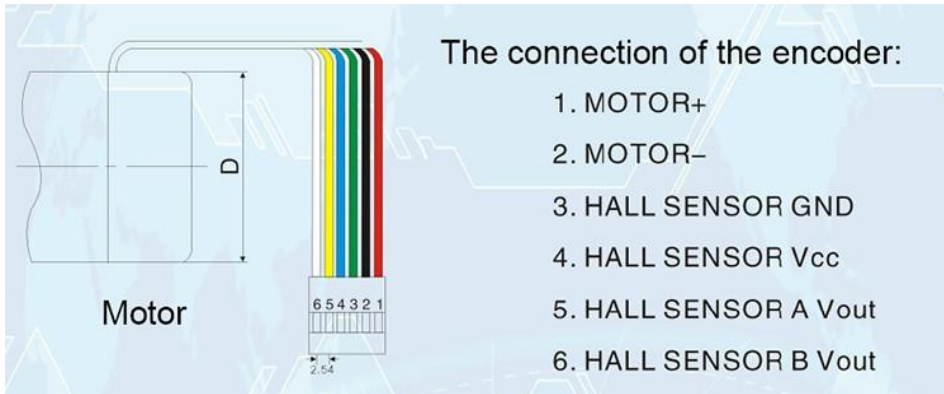
Connection of the encoder:

- 1.Red : Motor+
- 2.Black : Motor-
- 3.Green : Hall Sensor GND
- 4.Blue : Hall Sensor Vcc
- 5.Yellow:Hall Sensor A Vout
- 6.White: Hall Sensor B Vout

Encoder Output:



connect of the encoder



relation about Voltage and speed (rpm)

型号: JGA25-371		参数表										
电压Voltage		空载No Load		负载转矩Load Torque				堵转Stall		减速器Reducer		重量
范围	额定	转速	电流	转速	电流	扭矩	功率	扭矩	电流	减速比	尺寸	Weight
Workable	Rated	Speed	current	speed	current	Torque	Output	Torque	Current	Ratio	Size	单位
Range	Volt. V	rpm	ma	rpm	ma	kg. cm	W	kg. cm	A	0.04167	mm	约g
6-24V	12	977	46	781	300	0.11	1.25	0.55	1	4.4	15	80
6-24V	12	463	46	370	300	0.23	1.25	1.1	1	9.28	17	82
6-24V	12	201	46	168	250	0.53	1.25	2.65	1	21.3	19	84
6-24V	12	126	46	100	250	0.85	1.25	4.2	1	34	21	85
6-24V	12	95	46	76	200	1.1	1.25	5.5	1	45	21	86
6-24V	12	55	46	44	200	1.95	1.25	9.7	1	78	23	88
6-24V	12	41	46	32	150	2.5	1.25	12.5	1	103	23	89
6-24V	12	25	46	20	150	4.2	1.25	21	1	171	25	91
6-24V	12	19	46	15	120	5.6	1.25	28	1	226	25	92
6-24V	12	11	46	8.8	120	9.45	1.25	47	1	378	27	94
6-24V	12	8.6	46	6.8	120	12	1.25	60	1	500	27	96