



**Coreless Brushless Motor**  
Hall Wiring Sequence: PIN1-8



**Motor Performance Parameters:**

- 1.Motor Type: Coreless Brushless Motor
- 2.Operating Voltage: 12V
- 3.No-load Speed: 26000 ±10% RPM
- 4.No-load Current: ≤0.4A
- 5.Rated Speed: 21000 ±10% RPM
- 6.Rated Torque: ≥160 g·cm
- 7.Rated Current: ≤2A
- 8.Pole Pairs: 2
- 9.Operating Temperature: -40~80°C
- 10.Noise: ≤35 dB
- 11.Maximum Motor Efficiency: 75%

**Gear Motor Performance Parameters:**

- 1.Operating Voltage: 12V
- 2.No-load Speed: 300 ±10% RPM
- 3.No-load Current: ≤0.4A
- 4.Rated Speed: 240 ±10% RPM
- 5.Rated Torque: ≥0.8 N·m
- 6.Rated Current: ≤2A
- 7.Operating Temperature: -40~80°C
- 8.Gear Ratio: 1:84
- 9.Noise: ≤45 dB
- 10.Gearbox Material: Solid Steel (Machined)

- pin1 - U (White \ Thick)
- pin2 - V (Yellow \ Thick)
- pin3 - W (Blue \ Thick)
- pin4 - +5V (Red)
- pin5 - GND (Black)
- pin6 - HALL\_U (White)
- pin7 - HALL\_V (Yellow)
- pin8 - HALL\_W (Blue)

设计		第一视觉画法 	16mm Planetary Gearbox + 16mm Coreless Brushless Motor (Product Type)
审核			TSL-PG16K84-KW1630 (Product Model)
批准		未注线性与角度尺寸公差: GB\T1804-m eqv ISO 2768-1:m	Tsinglin Micro Motors Limited
日期	2025.02.25		