

# 40W    70mm

## 直流无刷减速电机 BLDC GEAR MOTOR

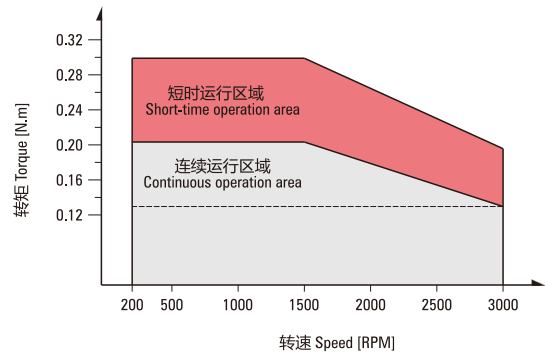
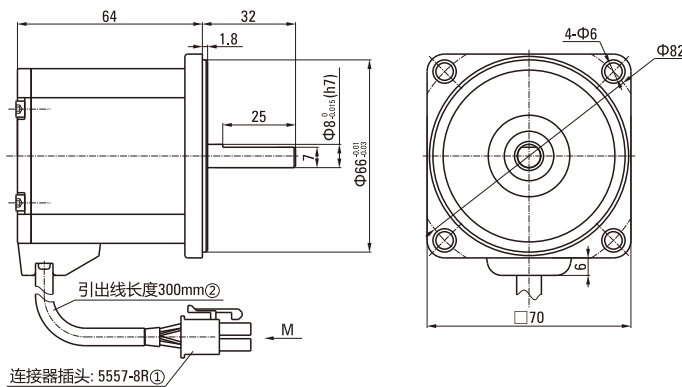
### ■ 低压无刷电机性能参数 Low Voltage Motor Parameters

| 型号<br>Model      | 额定功率<br>Rated power<br>W | 电压<br>Voltage<br>V | 额定电流<br>Rated current<br>A | 启动转矩<br>Starting torque<br>N.m | 额定力矩<br>Rated torque<br>N.m | 额定转速<br>Rated speed<br>N.m | 防护等级<br>Grade protection<br>IP |
|------------------|--------------------------|--------------------|----------------------------|--------------------------------|-----------------------------|----------------------------|--------------------------------|
| M3BLD40-24GN-18S | 40                       | 24                 | 3                          | 0.254                          | 0.127                       | 1800                       | 20                             |
| M3BLD40-24GN-30S | 40                       | 24                 | 3                          | 0.254                          | 0.127                       | 3000                       | 20                             |

### ■ 圆轴型光电机 Circular Shaft Type Optical Motor

● M3BLD40-  A-30S   —电压 Voltage 24

● M3BLD40-220A-30S 曲线图 Diagram



① Connector: 5557-8R ② The sheath length of lead line 300mm

### ● 低压电机接线插孔对应信号说明

Low Voltage Wire Plughole Corresponding Signal Explanation

| 1     | 2     | 3     | 4      | 5     | 6     | 7     | 8     |
|-------|-------|-------|--------|-------|-------|-------|-------|
| 绿 (粗) | 黑 (细) | 蓝 (细) | 红 (细)  | 黄 (粗) | 蓝 (粗) | 绿 (细) | 黄 (细) |
| V     | GND   | Hv    | Vcc+5V | U     | W     | Hv    | Hu    |

### ● 高压电机接线插孔对应信号说明

High Voltage Wire Plughole Corresponding Signal Explanation

| 1     | 2     | 3     | 4    | 5     | 6     | 7     | 8     | 9 | 10     |
|-------|-------|-------|------|-------|-------|-------|-------|---|--------|
| 黄 (细) | 绿 (细) | 蓝 (细) | 金属丝网 | 黑 (细) | 蓝 (粗) | 黄 (粗) | 绿 (粗) |   | 红 (细)  |
| Hu    | Hv    | Hw    |      | GND   | W     | U     | V     |   | Vcc+5V |

## ■ 40W

### ● 平行轴减速机 Parallel Shaft Speed Reducer

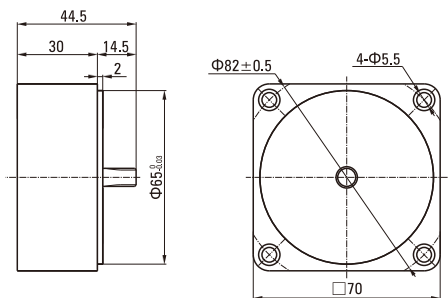
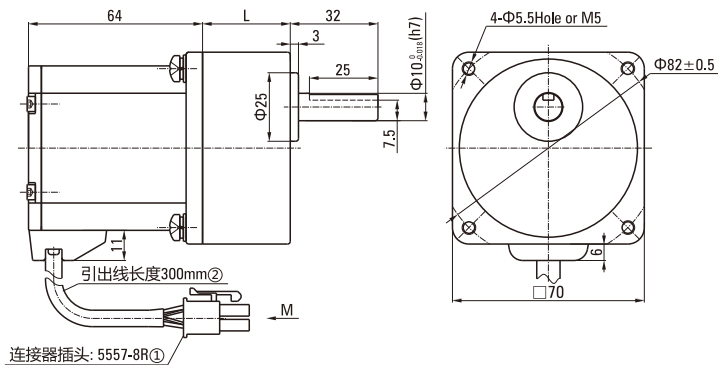
M3BLD40-  GN-30S/3GN  K   —电压 Voltage 24

  —速比数值 Velocity Ratio Value

### ● 中间减速器 Decimal Gearhead

3GN  XK

  —速比数值, 一般为10 Velocity Ratio Value, Generally 10



### ● 键·键槽 Key · Keyway



| 减速器型号<br>Gearhead Model                                                | 减速比<br>Gear Ratio | L尺寸<br>Dimension |
|------------------------------------------------------------------------|-------------------|------------------|
| 3GN <span style="border: 1px solid black; padding: 0 2px;">  </span> K | 3~18              | 32&42            |
|                                                                        | 20~200            | 42               |

● 减速器型号的  中为减速比的数值

Enter the gear ratio in the box (  ) within the model name

● M3BLD40-□GN-30S/3GN□K整机容许力矩（单位：N.m） M3BLD40-□GN-30S/3GN□K Machine Allowable Torque (Unit: N.m)

| 型号 Model                                                                                      | 电机轴转速<br>Motor Speed | 减速机<br>Reduction Ratio |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------------------------------------------------|----------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                                               |                      | 3                      | 3.6  | 5    | 6    | 7.5  | 9    | 10   | 12.5 | 15   | 18   | 20   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  | 200  |
| M3BLD40-  GN | 200~1500RPM          | 0.48                   | 0.58 | 0.80 | 0.97 | 1.21 | 1.45 | 1.61 | 2.01 | 2.41 | 2.90 | 2.90 | 3.63 | 4.35 | 5.22 | 7.25 | 7.87 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |
|                                                                                               | 2000RPM              | 0.41                   | 0.49 | 0.68 | 0.82 | 1.02 | 1.23 | 1.36 | 1.70 | 2.04 | 2.45 | 2.45 | 3.07 | 3.68 | 4.42 | 6.13 | 6.66 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |
|                                                                                               | 2500RPM              | 0.37                   | 0.45 | 0.62 | 0.74 | 0.93 | 1.11 | 1.24 | 1.55 | 1.86 | 2.23 | 2.23 | 2.79 | 3.35 | 4.02 | 5.58 | 6.05 | 7.56 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |
|                                                                                               | 3000RPM              | 0.31                   | 0.37 | 0.52 | 0.62 | 0.77 | 0.93 | 1.03 | 1.29 | 1.55 | 1.86 | 1.86 | 2.32 | 2.79 | 3.35 | 4.65 | 5.01 | 6.26 | 7.52 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |

注Note：表格中的□( 灰底部分 ) 表示旋转方向与电机转向一致。The □(gray) in the table indicates that the rotation direction is consistent with the motor.