

# 16\*\*NH...M... Ø16mm, 直流空心杯无刷系列 DC Coreless Brushless Series

应用领域：医疗设备、机器人、精密仪器等精密控制领域。

Applications: medical equipment, robotics, precision instrument, etc.

|                   |        |                             |        | 01-510-24.0 | 02-425-32.0 | 03-560-48.0 |
|-------------------|--------|-----------------------------|--------|-------------|-------------|-------------|
| 电机参数 / Motor Data |        |                             |        |             |             |             |
| 1                 | 电压     | Voltage                     | V      | 24.0        | 32.0        | 48.0        |
| 2                 | 端电阻    | Terminal resistance         | Ω      | 0.5         | 1.42        | 1.52        |
| 3                 | 空载转速   | No-load speed               | rpm    | 51000       | 42500       | 56000       |
| 4                 | 空载电流   | No-load current             | A      | 0.2         | 0.12        | 0.15        |
| 5                 | 堵转转矩   | Stall torque                | mNm    | 213.9       | 160         | 256         |
| 6                 | 堵转电流   | Stall current               | A      | 48          | 22.5        | 31.6        |
| 7                 | 额定转矩   | Nominal torque              | mNm    | 14          | 17          | 13          |
| 8                 | 额定转速   | Nominal speed               | rpm    | 47700       | 38000       | 53200       |
| 9                 | 额定电流   | Nominal current             | A      | 3.3         | 2.5         | 1.7         |
| 10                | 反电势常数  | Back-EMF constant           | mV/rpm | 0.469       | 0.749       | 0.853       |
| 11                | 转矩常数   | Torque constant             | mNm/A  | 4.5         | 7.1         | 8.1         |
| 12                | 工作温度范围 | Operating temperature range | °C     | -20~+85     | -20~+85     | -20~+85     |

| 编码器参数 / Encoder Data |      |                    |     |                       |                       |    |
|----------------------|------|--------------------|-----|-----------------------|-----------------------|----|
| 13                   | 通道数  | Number of channels |     | 2                     | 3                     | -- |
| 14                   | 分辨率  | Counts per turn    | cpt | 16,32,64,256,512,1024 | 16,32,64,256,512,1024 | -- |
| 15                   | 工作电压 | Supply voltage     | V   | 5.0 (5.0)             | 5.0 (5.0)             | -- |
| 16                   | 最大转速 | Max. speed         | rpm | 100000                | 100000                | -- |
| 17                   | 相移   | Phase shift        | °e  | 90±45                 | 90±45                 | -- |
| 18                   | 信号输出 | Output signal      |     | TTL                   | TTL                   | -- |

## 可选配置 / Options

齿轮箱：行星齿轮

Gearbox: planetary gearbox

性能 Special coils: 连续运行范围内可定制 customizable in continuous operation range

法兰 Flange: 标准前后法兰 standard front and rear flanges / 定制法兰 custom flanges

轴 Shaft: 长度 length / 异形 shape

电气连接 Electrical connection: 端子或导线 connector or wire / 导线长度 lead wires length

## 外观图 / Outline Drawing

