

## PERMANENT MAGNET AC SERVO MOTOR SPECIFICATION

Technical drawing of the RSNA-M06J0630A AC Servo Motor, showing front and side views with dimensions and labels.

**Front View Dimensions:**

- Total width:  $80 \pm 1$  mm
- Mounting flange diameter:  $\phi 50_{-0.025}^0$  mm
- Flange thickness:  $0.04$  mm
- Shaft diameter:  $\phi 14_{-0.013}^0$  mm
- Shaft length:  $3_{-0.05}^0$  mm
- Flange to shaft distance:  $30 \pm 0.5$  mm
- Flange to mounting bracket distance:  $20 \pm 0.1$  mm
- Mounting bracket thickness:  $0.04$  mm

**Side View Dimensions:**

- Motor body height:  $300 \pm 10$  mm
- Mounting bracket height:  $300 \pm 10$  mm
- Mounting bracket width:  $80 \pm 1$  mm

**Labels and Warnings:**

**AC SERVO MOTOR**  
**MODEL: RSNA-M06J0630A**  
 Tn: 0.64N.m Pn: 0.2KW  
 In: 1.9A  
 S/N: xxxxx  
 CODE128 A

**Warnings:**

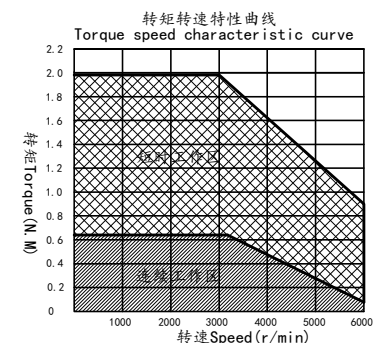
- 禁止拆卸 (DO NOT DISASSEMBLE)
- 禁止过大力矩 (DO NOT APPLY EXCESS IMPACT FORCE TO MOTOR OR SHAFT)

使用环境温度-20~40℃不结冰  
Operating ambient temperature -20~40℃ no ice  
使用环境湿度20%~80%RH不结露  
Operating environment humidity 20%~80%rh no condensation  
1000m以下使用, 1000m以上请降额使用, 具体参照海拔降额曲线  
For use below 1000m, please reduce the rating for use above  
Refer to the altitude derating curve for details

Technical drawing of a square flange valve in the front view. The drawing shows a square flange with rounded corners, a central valve body, and a handle. Dimensions include a square flange size of 60x60 mm, a central bore diameter of  $\varnothing 70 \pm 0.1$  mm, and four mounting holes of 5.5 mm diameter. A 45-degree angle is indicated for the top flange face.

A 3x3 grid with numbers 3, 1, 9, 7 at the corners and a small structure on top.

Technical drawing of a shaft with a keyway. The shaft has a diameter of  $16 \pm 0.1$  mm. The keyway has a width of  $5 -0.05 / 0$  mm. The key is M4 x 10 mm. The drawing is labeled SECTION A-A.



塑壳: AMP172169-1  
端子: 170359-1

|                                |      |                                                          |                 |                                                                    |                 |          |             |                                                                                                    |            |   |                                           |                     |            |                  |                   |                    |  |
|--------------------------------|------|----------------------------------------------------------|-----------------|--------------------------------------------------------------------|-----------------|----------|-------------|----------------------------------------------------------------------------------------------------|------------|---|-------------------------------------------|---------------------|------------|------------------|-------------------|--------------------|--|
| 额定电压 Rated Voltage(V)          | 220  | 线电阻 Line-Line Resistance (Ω)                             | 10.72±10% (20℃) | 17位单圈磁编接线顺序<br>17-bit single-turn magnetic encoder wiring sequence |                 |          |             |                                                                                                    |            |   | 电机绕组接线顺序<br>Motor winding wiring sequence |                     |            |                  |                   |                    |  |
| 额定功率 Rated Power (W)           | 200  | 线电感 Line-Line Inductance (mH)                            | 21.04±20% (20℃) | 序号<br>Serial number                                                | 1               | 2        | 3           | 4                                                                                                  | 5          | 6 | 7                                         | 序号<br>Serial number | 1          | 2                | 3                 | 4                  |  |
| 额定电流 Rated Current (A)         | 1.9  | 转动惯量 Rotor inertia(×10 <sup>-4</sup> kg/m <sup>2</sup> ) | 0.26            | 颜色<br>Color                                                        | 屏蔽<br>Screening | 红<br>Red | 白<br>White  | 黄<br>Yellow                                                                                        | 绿<br>Green |   |                                           | 颜色<br>Color         | 红<br>Red   | 白<br>White       | 黑<br>Black        | 黄绿<br>Yellow/Green |  |
| 峰值电流 Peak Current(A)           | 5.7  | 绝缘等级 Insulation Class                                    | F               | 定义<br>Definition                                                   | PE              | VCC      | GND         | SD+                                                                                                | SD-        |   |                                           | 定义<br>Definition    | U          | V                | W                 | PE                 |  |
| 额定转速 Rated Speed (rpm)         | 3000 | 绝缘电阻 Insulation resistance                               | DC1000V ≥ 20MΩ  | CTQ SIGN:  Customer  Process  Law                                  |                 |          |             |                                                                                                    |            |   | NINGBO SIMTACH AUTO TECH CO.,LTD          |                     |            |                  |                   |                    |  |
| 最高转速 Peak Speed (rpm)          | 5000 | 防护等级 Protection class                                    | IP65            | 材料符合ROHS要求All Material Are To Be Rohs Compliant                    |                 |          |             |                                                                                                    |            |   |                                           |                     |            |                  |                   |                    |  |
| 额定转矩 Rated Torque (N.M)        | 0.64 | 允许最大径向负载Maximum allowable radial load(N)                 | 240             | NAMES                                                              | SIGNATURE       |          | DATE        | Unspecified tolerance                                                                              |            |   | 视角<br>FIRST ANGLE METHOD                  | 比例<br>SCALE         | 单位<br>UNIT | 变更标识<br>EQN SIGN | 名称<br>TITLE       | AC020M-06J30A      |  |
| 峰值扭矩 Peak Torque (N.M)         | 1.92 | 允许最大轴向负载Maximum allowable axial load (N)                 | 70              | 设计<br>DESIGN                                                       | 陈曼欣             |          | 2022<br>7.4 | 常规公差:Tolerances<br>角度Angles±0.1°<br>倒角Chamfer±0.3<br><br>Unit:mm<br>GB/T1804-M<br>ISO2768-1 ClassM |            |   |                                           | 1:1                 | mm         | *                | 图号<br>DWG. NG     | /                  |  |
| 反电势 Voltage Constant (V/Krpm)  | 26.6 | 重量 Weight(kg)                                            | 0.84            | 标准化<br>STANDARD                                                    |                 |          |             |                                                                                                    |            |   | 件号<br>PART NUMBER                         | 1                   | 版本<br>REV  | A                | 表单编号<br>Form Code |                    |  |
| 力矩系数Torque Coefficient (N.M/A) | 0.33 |                                                          |                 | 审核<br>CHECK                                                        | 刘罗号             |          |             |                                                                                                    |            |   |                                           |                     |            |                  |                   |                    |  |