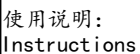


## PERMANENT MAGNET AC SERVO MOTOR SPECIFICATION

| 制动器规格  |              |
|--------|--------------|
| 额定电压   | DC24V±10%    |
| 功率     | 7.6W, 20℃    |
| 静摩擦扭矩  | ≥1.5N·M, 20℃ |
| 衔铁吸合时间 | ≤60ms        |
| 衔铁释放时间 | ≤40ms        |



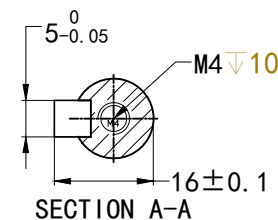
使用环境温度-20~40° C不结冰  
Operating ambient temperature -20~40° C no ice

使用环境湿度20%~80%RH不结露  
Operating environment humidity 20%~80%rh no condensation

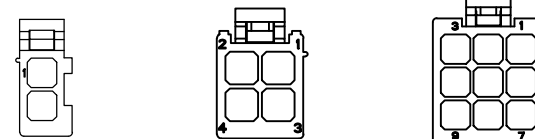
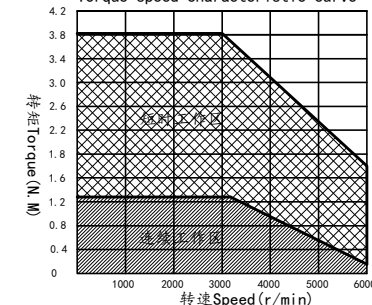
1000m以下使用, 1000m以上请降额使用, 具体参照海拔降额曲线  
For use below 1000m, please reduce the rating for use above 1000m.  
Refer to the altitude derating curve for details

电源线端子拉脱力<89N  
Pull off force of power line terminal  
is less than or equal to 89N

编码器线端子拉脱力<13N  
Pull off force of encoder line terminal  
is less than or equal to 13N



转矩转速特性曲线  
torque speed characteristic curve



B向视图

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| 塑壳: AMP172165-1 | 塑壳: AMP172167-1 | 塑壳: AMP172169-1 |
| 端子: 170360-1    | 端子: 170360-1    | 端子: 170359-1    |

|                               |      |                                                          |                 |                                                                    |                 |          |             |                                                   |            |   |                                  |                                           |            |                  |                   |                    |  |
|-------------------------------|------|----------------------------------------------------------|-----------------|--------------------------------------------------------------------|-----------------|----------|-------------|---------------------------------------------------|------------|---|----------------------------------|-------------------------------------------|------------|------------------|-------------------|--------------------|--|
| 额定电压 Rated Voltage(V)         | 220  | 线电阻 Line-Line Resistance (Ω)                             | 6.6±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)          | 400  | 线电感 Line-Line Inductance (mH)                            | 20.56±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)         | 2.3  | 转动惯量 Rotor inertia(×10 <sup>-4</sup> kg/m <sup>2</sup> ) | 0.61            | 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)          | 6.9  | 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)        | 1.27 | 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>EON SIGN | 名称<br>TITLE       | AC040M-06J30A-Z    |  |
| 峰值扭矩 Peak Torque(N.M)         | 3.81 | 允许最大轴向负载Maximum allowable axial load(N)                  | 70              | 设计<br>DESIGN                                                       |                 |          | 2022<br>7.5 | 常规公差:Tolerances<br>角度Angles±0.1°<br>倒角Chamfer±0.3 |            |   |                                  | 1:1                                       | mm         | *                | 图号<br>DWG. NG     | /                  |  |
| 反电势 Voltage Constant(V/Krpm)  | 37   | 重量 Weight(kg)                                            | 1.56            | 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) | 0.55 |                                                          |                 | 审核<br>CHECK                                                        |                 |          |             | Unit:mm<br>GB/T1804-M<br>ISO2768-1 ClassM         |            |   |                                  |                                           |            |                  |                   |                    |  |