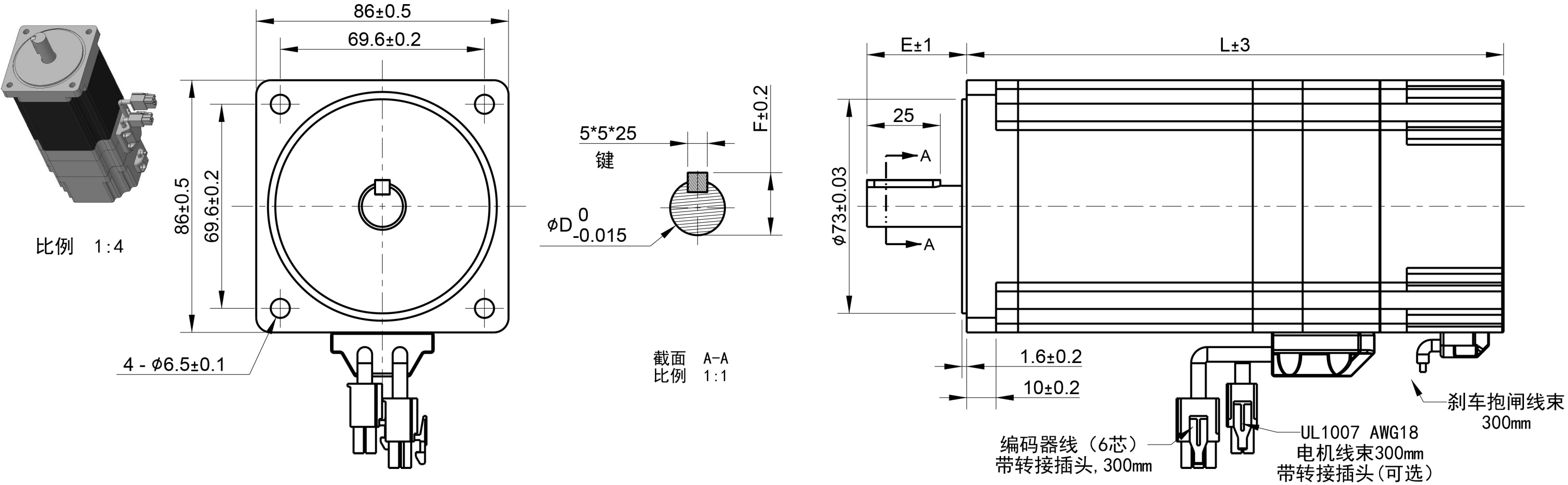


电机外形尺寸图 (DIMENSIONS)



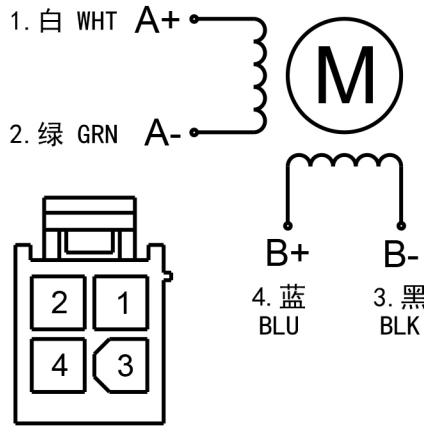
技术规格 (SPECIFICATION)

| 型号<br>Model            | 相数<br>Phase | 步距角 (°)<br>Step Angle | 保持转矩<br>(N.M)<br>Torque | 刹车<br>保持扭矩<br>(N.M) | 额定电流 (A)<br>Rated<br>Current | 电机重量<br>(kg)<br>Weight | 转动惯量<br>(g. cm <sup>2</sup> )<br>Rotor Inertia | 编码精度<br>CPR | 机身長 (L)<br>Length | 轴径 (D)<br>Shaft Dia | 轴长 (E)<br>Shaft L | 键高 (F)<br>HEIGHT |
|------------------------|-------------|-----------------------|-------------------------|---------------------|------------------------------|------------------------|------------------------------------------------|-------------|-------------------|---------------------|-------------------|------------------|
| 86SV-80P-1000-14D-34L  | 2           | 1.8                   | 4.5                     | 6                   | 6.0                          | 3.3                    | 1400                                           | 1000        | 150               | 14                  | 34                | 16               |
| 86SV-118P-1000-14D-34L | 2           | 1.8                   | 8.5                     | 6                   | 6.0                          | 4.8                    | 2800                                           | 1000        | 182               | 14                  | 34                | 16               |
| 86SV-156P-1000-14D-34L | 2           | 1.8                   | 12                      | 6                   | 6.0                          | 6.5                    | 4000                                           | 1000        | 210               | 14                  | 34                | 16               |

通用属性 (ATTRIBUTE)

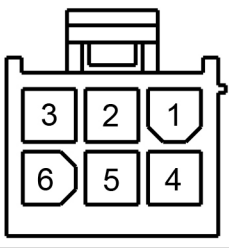
| 项目 ITEM                                   | 参数 PARAMETERS             |
|-------------------------------------------|---------------------------|
| 步距角精度 Precision of Step Angle             | $\pm 5\%$                 |
| 电阻精度 Precision of Resistance              | $\pm 10\%$                |
| 电感精度 Precision of Inductance              | $\pm 20\%$                |
| 温升 Temperature                            | 80 °C MAX                 |
| 环境温度/湿度 Enviroment Temp&Humidity          | -10 ~ +50 °C , 85%        |
| 绝缘电阻 Insulation Resistance                | 100 M $\Omega$ Min@500VDC |
| 耐电压 Voltage Resistance                    | 1 minute @ 500VAC-5mA     |
| 转轴径向跳动<br>Dynamic Radial Runout Tolerance | 0.02mm Max @ 450g         |
| 转轴轴向跳动<br>Dynamic axial Runout Tolerance  | 0.08mm Max @ 450g         |

电气接线图 (Wiring Diagram)



编码器线接线颜色规格 (ENCODE WIRE SPECIFICATION)

|              |             |             |            |           |             |
|--------------|-------------|-------------|------------|-----------|-------------|
| 2            | 5           | 1           | 4          | 3         | 6           |
| EB+          | EB-         | EA+         | EA-        | VCC       | EGND        |
| 黄色<br>Yellow | 绿色<br>Green | 黑色<br>Black | 蓝色<br>Blue | 红色<br>Red | 白色<br>White |



|                                                                                                                                                                                                                                                                                            |  |                                                               |                 |             |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------|-----------------|-------------|-----|
| TOLERANCE UNLESS OTHERWISE SPECIFIED<br>GB/T1804-m eqv<br>ISO 2768-1 class m<br>$\leq 6 \pm 0.1$<br>$> 6 \sim 30 \pm 0.2$<br>$> 30 \sim 120 \pm 0.3$<br>$> 120 \sim 400 \pm 0.5$<br>$> 400 \sim 1000 \pm 0.8$<br>$> 1000 \sim 2000 \pm 1.2$<br>Angles: $\pm 0.5^\circ$<br>Chamfer: $\pm 5$ |  | 深圳市鸣雷智能控制有限公司<br>Shenzhen thunder intelligent Control Co.,Ltd |                 |             |     |
|                                                                                                                                                                                                                                                                                            |  | 名称<br>TITLE                                                   | 86步进伺服电机 (闭环刹车) |             |     |
|                                                                                                                                                                                                                                                                                            |  | 图号<br>DWG.NO.                                                 | 86SV-XXP-1000   |             |     |
|                                                                                                                                                                                                                                                                                            |  | 材料<br>MATERIAL                                                | 组合材料            | SIZE        | A3  |
| 第三视角画法<br>3RD ANGLE<br>PROJECTION                                                                                                                                                                                                                                                          |  | 版本<br>REV                                                     | A               | 比例<br>SCALE | 3:4 |
|                                                                                                                                                                                                                                                                                            |  | 页数<br>SHEET                                                   | 1 OF 1          |             |     |