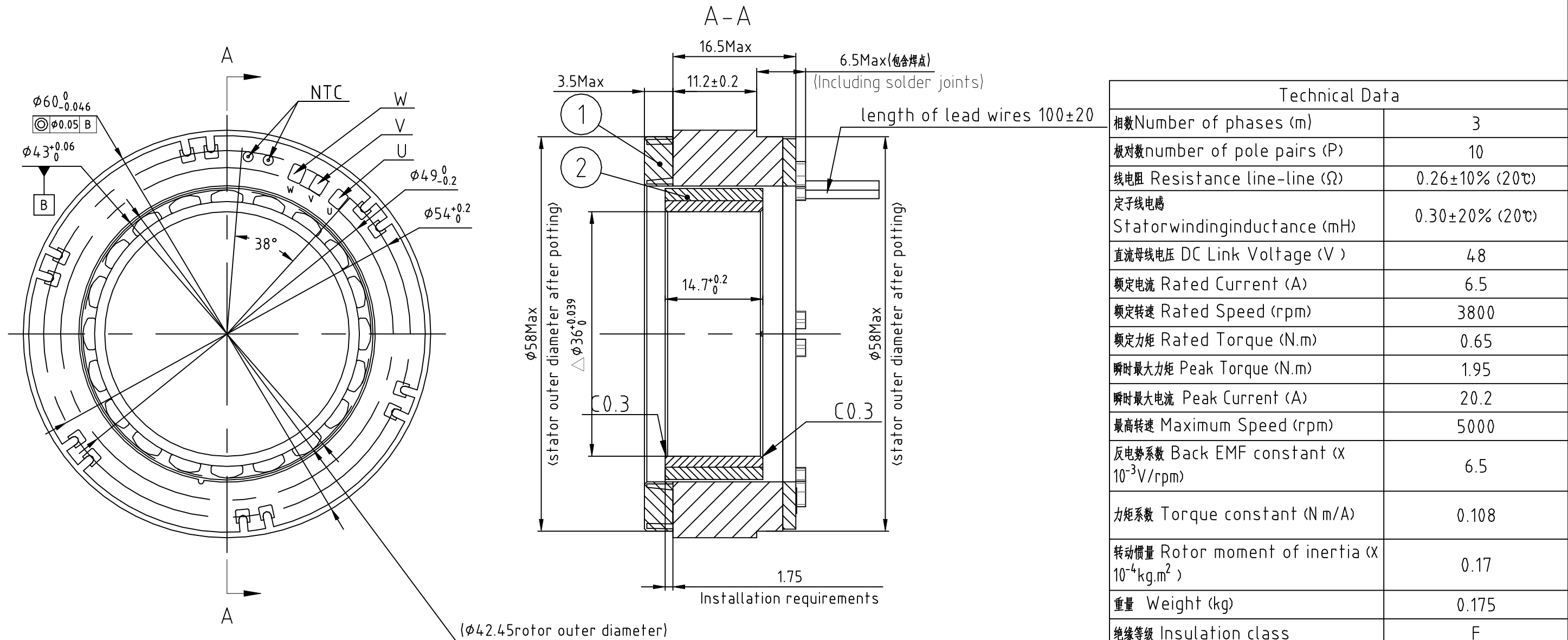


| NUMBER | COMPONENT | MODEL             |
|--------|-----------|-------------------|
| 1      | stator    | FM2-06011KTN386-S |
| 2      | rotor     | FM2-06011KTN386-R |

| Definition of Line           |     |       |                                     |
|------------------------------|-----|-------|-------------------------------------|
| U                            | V   | W     | NTC(100K $\Omega$ @25 $^{\circ}$ C) |
| YELLOW                       | RED | BLACK | BROWN                               |
| 18AWG Silicone flexible cord |     |       | UL1430 28AWG                        |



| Technical Data                                                          |                                 |
|-------------------------------------------------------------------------|---------------------------------|
| 相数Number of phases (m)                                                  | 3                               |
| 极对数number of pole pairs (P)                                             | 10                              |
| 线电阻 Resistance line-line (Ω)                                            | 0.26±10% (20℃)                  |
| 定子线电感<br>Statorwindinginductance (mH)                                   | 0.30±20% (20℃)                  |
| 直流母线电压 DC Link Voltage (V )                                             | 48                              |
| 额定电流 Rated Current (A)                                                  | 6.5                             |
| 额定转速 Rated Speed (rpm)                                                  | 3800                            |
| 额定力矩 Rated Torque (N.m)                                                 | 0.65                            |
| 瞬时有最大力矩 Peak Torque (N.m)                                               | 1.95                            |
| 瞬时有最大电流 Peak Current (A)                                                | 20.2                            |
| 最高转速 Maximum Speed (rpm)                                                | 5000                            |
| 反电势系数 Back EMF constant (X<br>10 <sup>-3</sup> V/rpm)                   | 6.5                             |
| 力矩系数 Torque constant (N m/A)                                            | 0.108                           |
| 转动惯量 Rotor moment of inertia (X<br>10 <sup>-4</sup> kg.m <sup>2</sup> ) | 0.17                            |
| 重量 Weight (kg)                                                          | 0.175                           |
| 绝缘等级 Insulation class                                                   | F                               |
| 绝缘电阻 Insulation resistance                                              | DC500V 100MΩ以上                  |
| 绝缘耐压(stator&NTC) Insulation<br>strength                                 | 600VAC/1S/2mA&300VAC/1<br>S/5mA |

|                       |                                      |                             |
|-----------------------|--------------------------------------|-----------------------------|
| technical requirement | 绝缘耐压(stator&NTC) Insulation strength | 600VAC/1S/2mA&300VAC/1S/5mA |
|-----------------------|--------------------------------------|-----------------------------|

- |                                                                                                                                                                                                                        |                 |     |            |                     |        |  |                  |              |             |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|------------|---------------------|--------|--|------------------|--------------|-------------|--|--|
| 1. The weld seam on the outer cylindrical surface of the stator is free of cracks, the surface is free of protrusions, the glue filling is free of copper leakage, and there are no obvious air holes that affect use; | 设计<br>Designed  | 翟向千 | 2026/03/05 | 标准化<br>Standardized |        |  | 材料(Material):    | 名称(Title)    | 无框电机60系列规格书 |  |  |
| 2. The solder joints of the outgoing lines are glued and fixed, and the solder joints of the enameled wires are coated with UV glue. The solder joints are free of impurities such as rosin slag;                      | 制图<br>Drawn     | 翟向千 | 2026/03/05 |                     |        |  |                  | 型号(Model)    | 见一览表        |  |  |
|                                                                                                                                                                                                                        | 校对<br>Proofread |     |            | 审核<br>Checked       |        |  | 重量(Weight)/g:    | 图号(DWG No.)  |             |  |  |
|                                                                                                                                                                                                                        | 工艺<br>Processed |     |            | 批准<br>Approved      |        |  | 阶段标记(Stage Mark) | 料号(Part No.) |             |  |  |
|                                                                                                                                                                                                                        | 生效日期            |     |            |                     | 版本号/版次 |  | 比例(Scale)        | 1:1          |             |  |  |

|                  |     |            |                             |     |                    |                  |      |              |       |
|------------------|-----|------------|-----------------------------|-----|--------------------|------------------|------|--------------|-------|
| 设计<br>Designed   | 翟向千 | 2026/03/05 | 标准化<br>Standardized         |     | 材料(Material):      | 名称(Title)        |      | 无框电机60系列规格书  |       |
| 制图<br>Drawn      | 翟向千 | 2026/03/05 |                             |     |                    | 型号(Model)        |      | 见一览表         |       |
| 校对<br>Proofread  |     |            | 审核<br>Checked               |     |                    | 重量(Weight)/g:    |      | 图号(DWG No.)  |       |
| 工艺<br>Processed  |     |            | 批准<br>Approved              |     |                    | 阶段标记(Stage Mark) |      | 料号(Part No.) |       |
| 表单编号<br>Form No. |     |            |                             |     |                    |                  |      | 比例(Scale)    |       |
|                  |     |            | 版本/版次<br>Edition/Serial NO. | A00 | 共1页第1页 Page 1 of 1 |                  | FREE |              | 雷赛机器人 |