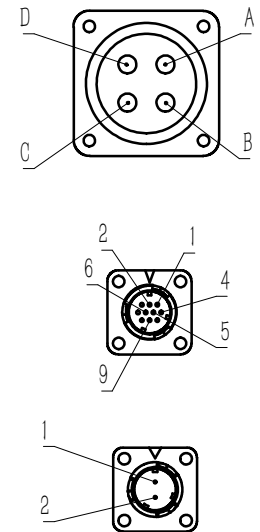
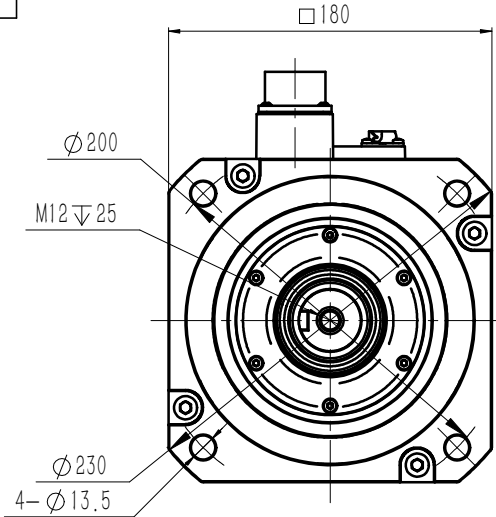


| 电机规格 Motor Specifications                      |                       |
|--|-----------------------|
| 电机型号<br>Motor Model                            | X2MM300A-B4LA         |
| 适配驱动器电压 V (rms)<br>Typical Drive Voltages      | 380                   |
| 直流母线电压 V (dc)<br>Basic DC Bus Voltage          | 540                   |
| 额定功率 kW<br>Rated Output Power                  | 3                     |
| 额定转速 rpm<br>Rated Speed                        | 2000                  |
| 最高转速 rpm<br>Max. Speed                         | 3000                  |
| 额定转矩 Nm<br>Rated Torque                        | 14.3                  |
| 堵转转矩 Nm<br>Continuous Stall Torque             | 14.3                  |
| 瞬时峰值扭矩 Nm<br>Peak Torque                       | 42.9                  |
| 额定电流 A (rms)<br>Rated Current                  | 8.7                   |
| 堵转电流 A (rms)<br>Continuous Stall Current       | 8.7                   |
| 瞬时峰值电流 A (rms)<br>Peak Current                 | 30                    |
| 线反电势常数V (rms) / K rpm<br>Voltage Constant      | 109                   |
| 转矩常数Nm / A (rms)<br>Torque Constant            | 1.80                  |
| 线电阻 Ω @20° C<br>Winding Resistance (Line-Line) | 0.63                  |
| 线电感mH (typ.)<br>Winding Inductance (Line-Line) | 11.5                  |
| 转子惯量kg m <sup>2</sup><br>Inertia               | 63.2X10 <sup>-4</sup> |
| 电气时间常数ms<br>Electrical Time Constant           | 18.17                 |
| 极对数<br>Rotor Poles                             | 5                     |
| 编码器<br>Encoder                                 | 17位绝对值                |
| 轴向载荷 N<br>Shaft Load - Axial                   | 343                   |
| 径向载荷 N<br>Shaft Load - Radial (End of Shaft)   | 784                   |
| 防护等级<br>Protection Class                       | IP65                  |
| 绝缘等级<br>Insulation Class                       | F                     |
| 重量 kg<br>Weight                                | 19                    |

| 制动器规格 Holding Brake Specifications    |        |
|---------------------------------------|--------|
| 额定电压 DC(V)<br>Rated Voltage           | 24±10% |
| 额定电流 A<br>Rated Current               | 1.04   |
| 静摩擦转矩 (N.m)<br>Static Friction Torque | >74    |
| 吸引时间 ms<br>Absorbing Time             | ≤120   |
| 释放时间 ms<br>Releasing Time             | ≤30    |
| 释放电压 (V)<br>Releasing Voltage         | >0.5   |



电动力端Motor Power Connection

| 针位<br>PIN No. | 功能定义<br>Function |
|---------------|------------------|
| A             | U                |
| B             | V                |
| C             | W                |
| D             | C,G              |

编码器端 Encoder Connection

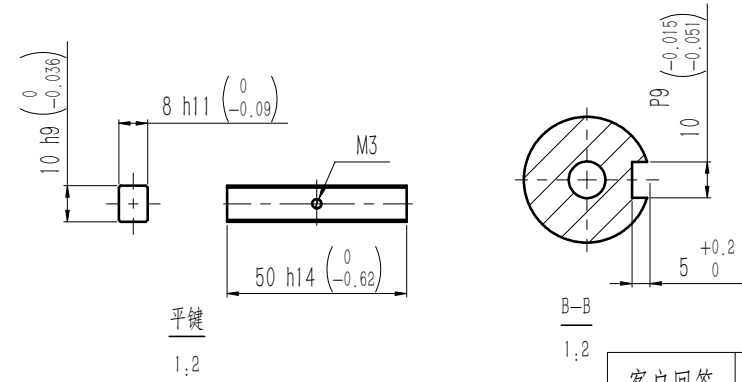
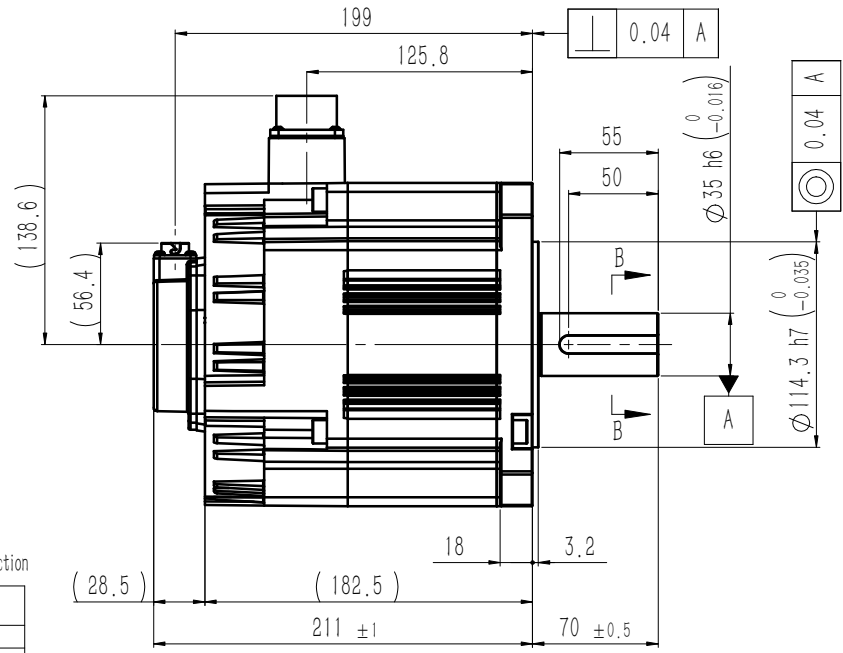
| 针位<br>PIN No. | 功能定义<br>Function |
|---------------|------------------|
| 1             | VCC              |
| 2             | GND              |
| 3             | -                |
| 4             | BAT              |
| 5             | +D               |
| 6             | -D               |
| 7             | -                |
| 8             | -                |
| 9             | BAT-             |
| 10            | SHIELD           |

制动器端 Brake Connection

| 针位<br>PIN No. | 功能定义<br>Function |
|---------------|------------------|
| 1             | BK               |
| 2             | BK               |

备注:  
notes

- GB/T 1096 键 B10x8x50 随电机一起包装,但未安装。  
GB/T 1096 Key B10x8x50 is shipped with motor, but not installed.
- 防护等级IP65(除了轴上没装油封和非密封连接器情况)。  
IP65 (except Shaft without seal and non-sealed connectors)



|    |     |        |       |    |     |         |  |  |                  |     |               |               |    |  |
|----|-----|--------|-------|----|-----|---------|--|--|------------------|-----|---------------|---------------|----|--|
|    |     |        |       |    |     |         |  |  | HCFA浙江禾川科技股份有限公司 |     |               |               |    |  |
|    |     |        |       |    |     |         |  |  |                  |     |               | 伺服电机(3kW带制动器) |    |  |
|    |     |        |       |    |     |         |  |  |                  |     |               |               |    |  |
| 标记 | 处数  | 分区     | 更改文件号 | 签名 | 年月日 |         |  |  | 伺服电机(3kW带制动器)    |     |               |               |    |  |
| 设计 | ZML | 040920 | 标准化   |    |     | 阶 段 标 记 |  |  |                  |     |               | 重量            | 比例 |  |
|    |     |        |       |    |     |         |  |  |                  | 1:4 | X2MM300A—B4LA |               |    |  |
| 审核 |     |        |       |    |     | 共 1 张   |  |  | 第 1 张            |     |               |               |    |  |
| 工艺 |     |        |       | 批准 |     |         |  |  |                  |     |               |               |    |  |