

A

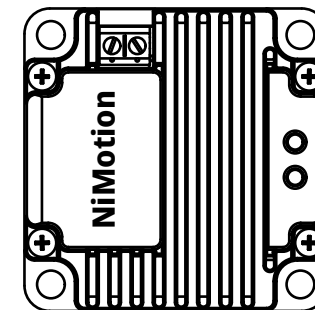
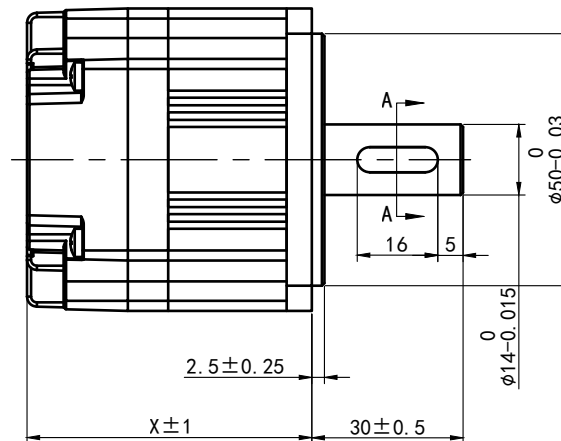
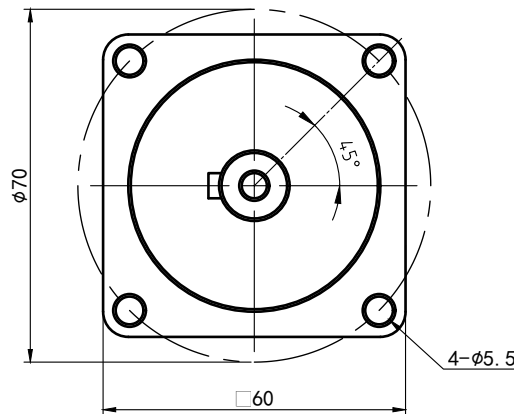
B

C

D

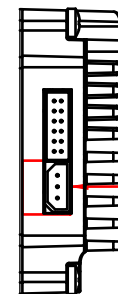
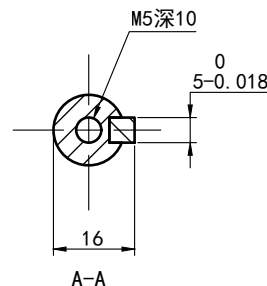
## 接线定义

| 端子 | 通讯端口<br>(CANopen) |      |     | 通讯端口<br>(RS485) |      |     | I/O端口 |      |      |      |      |      |     |                   |     |    |    |     |
|----|-------------------|------|-----|-----------------|------|-----|-------|------|------|------|------|------|-----|-------------------|-----|----|----|-----|
|    | 1                 | 2    | 3   | 1               | 2    | 3   | 1     | 2    | 3    | 4    | 5    | 6    | 7   | 8                 | 9   | 10 | 11 | 12  |
| 信号 | CANH              | CANL | GND | 485-            | 485+ | GND | DI1+  | DI1- | DI2+ | DI2- | DI3+ | DI3- | DO1 | EXTERNAL<br>BRAKE | GND | -  | -  | AI1 |

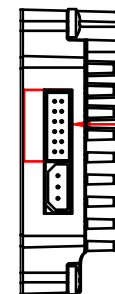


|                  | X (mm) |
|------------------|--------|
| PMM6020B-0HE     | 56.50  |
| PMM6020B-0HE [B] | 89.00  |

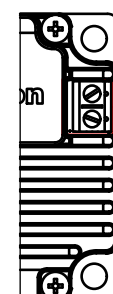
注: "[B]"的注释为刹车型号。



通讯端口



I/O端口



电源

## 额定参数

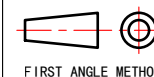
|                             |                                        |
|-----------------------------|----------------------------------------|
| 额定功率/Rated Power            | 200W                                   |
| 额定电压/Rated Voltage          | 48VDC                                  |
| 额定电流/Rated Current          | 5.98A                                  |
| 额定力矩/Rated Torque           | 0.637N.m                               |
| 额定转速/Rated Speed            | 3000rpm                                |
| 峰值力矩/Peak Torque            | 1.274N.m                               |
| 运行方式/Operation Mode         | PP/PV/PT/CSP/Home                      |
| 通信方式/Communication Mode     | CANopen/485                            |
| 编码器型号/Encoder Type          | 2500线                                  |
| 转子惯量/Rotor Inertia          | 9.1*10 <sup>-6</sup> kg.m <sup>2</sup> |
| 重量/Weight                   | 0.6kg [0.93kg]                         |
| 工作环境温度/Working Temperature  | 0~40℃                                  |
| 工作环境湿度/Environment Humidity | 10%RH~85%RH无凝结                         |
| 防护等级/Safety Class           | IP54                                   |

## 制动器参数

|       |                                        |
|-------|----------------------------------------|
| 额定电压  | DC24V±10%                              |
| 额定功率  | 7.5W                                   |
| 电阻20℃ | 76.8Ω±7%                               |
| 绝缘等级  | F                                      |
| 静扭矩   | ≥1.3N.m                                |
| 绝缘电阻  | >100MΩ                                 |
| 绝缘耐压  | 1500V/5mA/1s                           |
| 回转间隙  | <0.5°                                  |
| 使用工况  | -10~40℃                                |
| 吸引时间  | <40ms                                  |
| 释放时间  | <20ms                                  |
| 释放电压  | >1.5V                                  |
| 吸引电压  | <18V                                   |
| 最大转速  | 5000r/min                              |
| 转动惯量  | 6.5*10 <sup>-7</sup> kg.m <sup>2</sup> |
| 运转噪音  | <55dBA                                 |

未注尺寸公差  
DEFAULT DIMENSIONAL TOLERANCE: GB/T 1804-M

未注形位公差  
DEFAULT GEOMETRIC TOLERANCE: GB/T 1184-K



FIRST ANGLE METHOD



北京立迈胜控制技术有限公司  
Beijing Nimotion Control Technology Co., Ltd.

|          |     |          |               |              |             |                             |
|----------|-----|----------|---------------|--------------|-------------|-----------------------------|
| 设计DRAWN  | 耿源  | 2021/9/7 | 图号<br>DWG NO. | LMS-F3-21022 | 型号<br>MODEL | PMM6020B-XXX-L-0HE [B]      |
| 审核CHK'D  | 任君  | 2021/9/7 | 物料编码<br>P/N   |              | 名称<br>TITLE | 一体化低压伺服电机                   |
| 批准APPV'D | 董春禄 | 2021/9/7 | 版本<br>REV     | A02          | 图幅<br>SIZE  | A4                          |
|          |     |          |               |              | 比例<br>SCALE | 1:1.5                       |
|          |     |          |               |              |             | 共 1 张 第 1 张<br>SHEET 1 OF 1 |