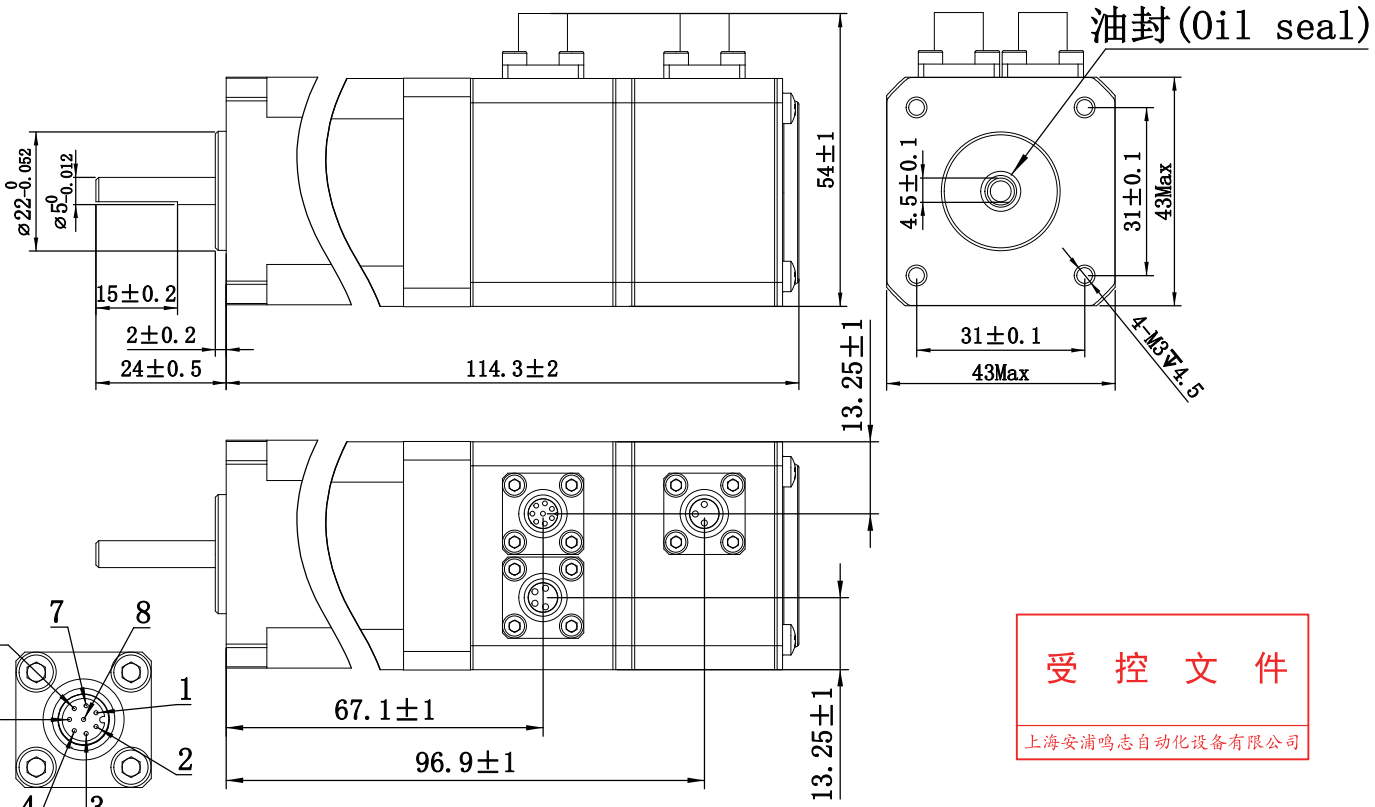
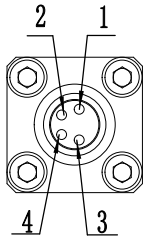
4696351007881

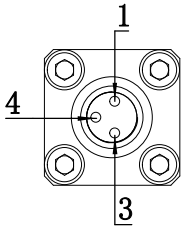
## 规格 Specifications

| | |
|---|---|
| 1. 相数 Number of Phase | 2 |
| 2. 步距角 Step Angle | 1.8° |
| 3. 相电阻 Phase Resistance | 2Ω±10%(20° C) |
| 4. 相电感 Phase Inductance | 5mH±20%(1kHz 1V rms) |
| 5. 额定电流 Rated Current | 1.5A |
| 6. 保持力矩 Holding Torque | 0.63Nm Typ.(Two phase on rated current) |
| 7. 转子惯量 Rotor Inertia | 82gcm² |
| 8. 介电强度 Dielectric strength | 500V AC 1 minute |
| 9. 绝缘电阻 Insulation Resistance | > 100MΩ |
| 10. 绝缘等级 Insulation Class | B(130℃) |
| 11. 环境温度 Ambient Temperature | -20℃~+50℃(-4℉~122℉) |
| 12. 环境湿度 Ambient Humidity | 85% Max. (No condensation) |
| 13. IP等级 IP Level | IP65 |
| 14. 编码器分辨率 Encoder Resolution | 4000 Counts/圈 |
| 15. 刹车力矩 Static Friction Torque | 0.4Nm |

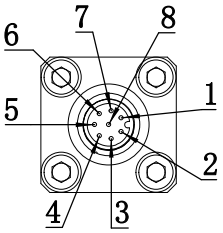



M8-4P




M8-3P




M8-8P

| 接线定义(Brake Definition) | |
|---|---|
| 连接器位号(PIN) | 信号(Signal) |
| 1 | 24V |
| 3 | 0V |
| 4 | |

| 接线定义(Motor Definition) | |
|---|---|
| 连接器位号(PIN) | 信号(Signal) |
| 1 | A+ |
| 2 | A- |
| 3 | B+ |
| 4 | B- |

| 制动器(Brake) | |
|---|---|
| 电压(Votage) | DC24V |
| 力矩(Torque) | 0.4Nm |
| 功率(Power) | 6W |
| 反应时间(Response Time) | 15ms |
| 绝缘等级(Insulation Class) | B |

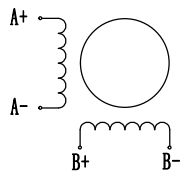
| 接线定义(Encoder Definition) | |
|---|---|
| 连接器位号(PIN) | 信号(Signal) |
| 1 | 5V |
| 2 | GND |
| 3 | A+ |
| 4 | A- |
| 5 | B+ |
| 6 | B- |
| 7 | Z+ |
| 8 | Z- |

| 编码器(Encoder) | |
|---|---|
| 电压(Votage) | 5V±5% |
| 分辨率(Resolution) | 4000 Counts/r |
| 输出方式(Output Mode) | Differential Output |
| 信号输出(Signal Output) | A±,B±,Z± |
| 消耗电流(Current Consumption) | ≤80mA |
| 最高转速(Max speed) | 3600rpm |
| 抗振动性(Vibration resistance) | 10G/three direction |
| 抗冲击性(Shock Resistance) | 50G/11ms |

受 控 文 件

上海安浦鸣志自动化设备有限公司

### 接线图 Wiring Diagram




### 励磁顺序vs.旋转方向 Exciting Sequence vs. Direction of Rotation

| STEP | A+ | B+ | A- | B- |
|---|---|---|---|---|
| 1 | + | + | − | − |
| 2 | − | + | + | − |
| 3 | − | − | + | + |
| 4 | + | − | − | + |

CW ↓ ↑ CCW

从安装面看为顺时针方向

Clockwise view from mouting side

| REV. | 版本记录 REVISION RECORD | DATE |
|---|---|---|
| A0 | 原始版本 Original revision | 2025.01.08 |

Unit: mm

第一角画法 FIRST ANGLE METHOD

未注线性与角度尺寸公差 Tolerances for linear and angular dimensions without individual tolerance indications GB/T 1804-m eqv ISO 2768-1:m

未注形状与位置尺寸公差 Geometrical tolerance for features without individual tolerance indications GB/T 1184-K eqv ISO 2768-2:K

UNLESS OTHERWISE SPECIFIED

| NAMES | SIGNATURE | DATE |
|---|---|---|
| 批准 Approve | | |
| 标准化 Standard | | |
| 工艺 Technology | | |
| 审核 Check | | |
| 设计 Design | | 2025.01.08 |

MOONS'

Hybrid Stepping Motor

SHANGHAI AMP & MOONS' AUTOMATION CO.,LTD

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| AW173BEA | Rev.A0 | SCALE 1:1 | Sheet 1 of 1 |
|---|---|---|---|