

图号/DWG NO.
42HS60-D0520-026

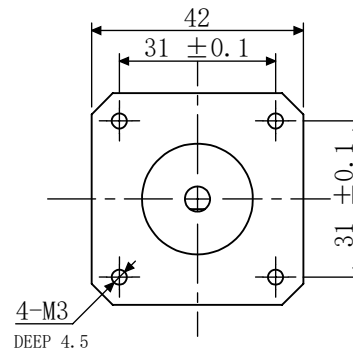
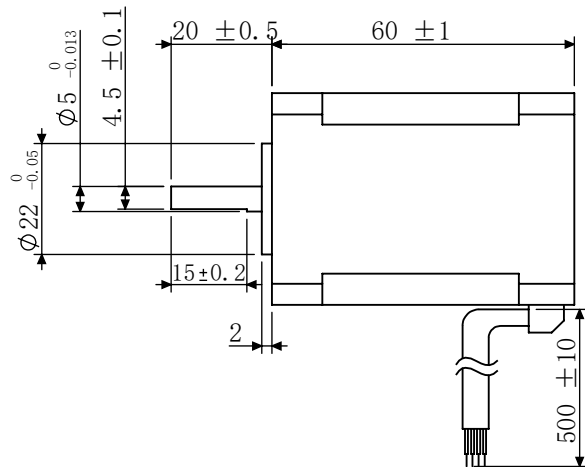


Diagram of a motor with four terminals:

- A+ (Red)
- A- (Blue)
- B+ (Green)
- B- (Black)

励磁顺序(2相励磁)VS. 旋转方向
EXCITING SEQUENCE(TWO PHESES)
VS. DIRECTION OF ROTATION

| | |
|---|---|
| 步 距 角/STEP ANGLE | 1.8° ±5% |
| 相 数/NO. OF PHASES | 2 |
| 额定电压/RATED VOLTAGE | 3.88V |
| 额定电流/RATED CURRENT | 2A |
| 电 阻/RESISTANCE | 1.94ohm±10% AT25℃ |
| 电 感/INDUCTANCE | 4.96mH±20% AT 1kHz, 1Vrms |
| 保持力矩/HOLDING TORQUE | 0.8N. m |
| 运行力矩/(AT —PPS) RUNNING TORQUE(AT —PPS) | ——以上/MIN (——V. DC, ——A/相(PHASE), ——相励磁/EX) |
| 绝缘耐压/DIELECTRIC STRENGTH | 500V A. C 1分钟/MINUTE |
| 绝缘电阻/INSULATION RESISTANCE | 100MΩ 以上/MIN. |
| 绝缘等级/INSULATION CLASS | CLASS B |
| 温度上升/TEMPERATURE RISE | 80K MAX. |
| 转子惯量/ROTOR INERTIA | 114g. cm ² |
| 重 量/WEIGHT | 约/APPROX. 483克/g |
| 允许轴向负载/ALLOWABLE THRUST LOAD | 3N |
| 允许径向负载/ALLOWABLE RADIAL LOAD | 20N(轴端/ON THE SHAFT END) |
| 运行环境温度/OPERATION AMBIENT TEMP. | -20℃——+50℃ |
| 运行环境湿度/OPERATION AMBIENT HUM. | 15%——90% |


| | | | | | | |
|---------|------|----|----|----|----|----------|
| | STEP | A+ | B+ | A- | B- | |
| CW ↓ | 1 | + | + | - | - | ↑ CCW |
| | 2 | - | + | + | - | |
| | 3 | - | - | + | + | |
| | 4 | + | - | - | + | |

从安装面看为顺时针方向
CLOCKWISE VIEW FROM MOUNTING SIDE

备注(NOTE):

1. 额定电流, 两相同时通电/AT RATED CURRENT, TWO PHASES ON.
2. 热阻法: 电机安装在84*84*15的铝板上, 电机线圈两端通额定电压, OPSS /MEASURED BY RESISTANCE METHOD. MOUNT WITH ALUMINUM HEAT SINK 84*84*15 AT TWO WINDING BE EXCITED BY RATED VOLTAGE, OPSS, 2PHASE ON.
3. 寿命测试条件: 整步, 运行速度为500PPS, 轴承的表面温度不超过70° C
LIFE TEST CONDITION: 2PHASE EXCITING, FULL STEP, AT 500PPS. STARTING PULSE, BEARING TEMPERATURE SHOULD BE 70° C MAX.

已受控

| | | | | | | | | | | | | |
|---|--|-----------------------------------|------------|---------------|----------------------------|----------------------|--|----------|---------|---------------------------------|---|-----|
| CONFIRMED&ACCEPTED BY CUSTOMER (客户确认&接受) | | | | | | | | | | | | |
| | | COMPANY CHOP&SIGNATURE (盖章&签名) | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 一般公差 TOLERANCE | | ±0.3/±3° | 版本 REV. | 年 月 日 DATE | 变更番号 ECR NO. | 变 更 内 容 REVISIONS | | 设计 BY | 备注 NOTE | REV. | A | |
| 设计/DESIGNED | | 比例 SCALE | | | 型 号/MODEL 42AM08-20 | | | | | 三视图 THIRD ANGL PROJECTION | | |
| | | | | 单位 UNIT | | | | | | mm |  | |
| 审核/CHECKED | | | | | | 深圳锐特机电技术有限公司 | | | | | 页 SHEET | 1/1 |
| | | | | | | | | | | | | |