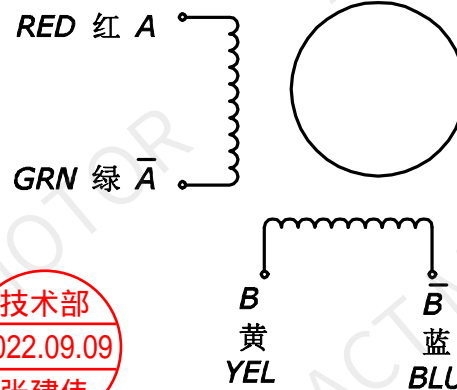


励磁顺序(2相励磁) VS. 旋转方向  
EXCITING SEQUENCE (TWO PHASES)  
VS. DIRECTION OF ROTATION

| STEP | A | B | $\bar{A}$ | $\bar{B}$ |          |
|------|---|---|-----------|-----------|----------|
| 1    | + | + | -         | -         | CCW<br>↑ |
| 2    | - | + | +         | -         |          |
| 3    | - | - | +         | +         |          |
| 4    | + | - | -         | +         |          |

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



电气特性参数/ELECTRICAL PARAMETER

|                              |                             |
|------------------------------|-----------------------------|
| 相数/NO. OF PHASES             | 2                           |
| 步距角/STEP ANGLE               | 1.8° ±5%                    |
| 电压/RATED VOLTAGE             | 2.2 V                       |
| 电流/RATED CURRENT             | 6 A                         |
| 电阻/RESISTANCE                | 0.37 ohm±0.1 AT 20° C       |
| 电感/INDUCTANCE                | 4.9 mH±20% AT 1kHz, 1Vrms   |
| 静转矩/HOLDING TORQUE           | 13.5 N.m以上/MIN.             |
| 定位转矩/DETENT TORQUE           | 0.3 N.m以下/Max               |
| 转动惯量/ROTOR INERTIA           | 7200 g.cm <sup>2</sup>      |
| 引出线规格/LEAD STYLE             | AWG16 UL1015                |
| 绝缘等级/INSULATION CLASS        | CLASS B                     |
| 绝缘耐压/DIELECTRIC STRENGTH     | 500V A.C 1分钟/MINUTE         |
| 绝缘电阻/INSULATION RESISTANCE   | 100 MΩ 以上/MIN.              |
| 允许轴向负载/ALLOWABLE THRUST LOAD | 100 N                       |
| 允许径向负载/ALLOWABLE RADIAL LOAD | 360 N (轴端/ON THE SHAFT END) |
| 刹车力矩/BRAKING TORQUE          | 16 N.m                      |

备注/(NOTE):

刹车电压24V

技术部  
2022.09.09  
张建伟

| 版本/REV. | 年月日/DATE   | 变更内容/CHANGES | 设计/DESIGNED | 审核/CHECKED | 工艺/TECHNICS | 批准/APPROVED | 型号/MODEL                         | 编码/代码/NO.                           |
|---------|------------|--------------|-------------|------------|-------------|-------------|----------------------------------|-------------------------------------|
| A       | 2019.09.11 |              | Van         | ANDY       |             |             | 42HS0460-S16                     |                                     |
|         |            |              |             |            |             |             | 技术规格书<br>TECHNICAL SPECIFICATION | 常州安科特电机有限公司<br>www.act-motor.com.cn |
|         |            |              |             |            |             |             | 一般公差<br>TOLERANCE                | ±0.3/±0.3°                          |
|         |            |              |             |            |             |             | 比例<br>SCALE                      | 1:1                                 |
|         |            |              |             |            |             |             | 单位<br>UNIT                       | mm                                  |
|         |            |              |             |            |             |             | 页<br>SHEET                       | 1/1                                 |
|         |            |              |             |            |             |             | 三视图<br>THIRD ANGLE<br>PROJECTION |                                     |