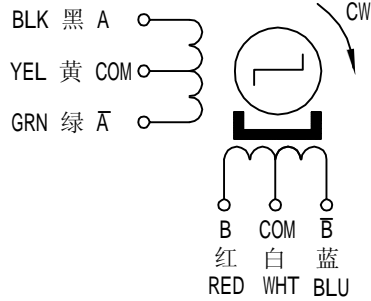


# HYBRID STEPPING MOTOR MOD.42BYGH011

COLOURS OF LEAD WIRES

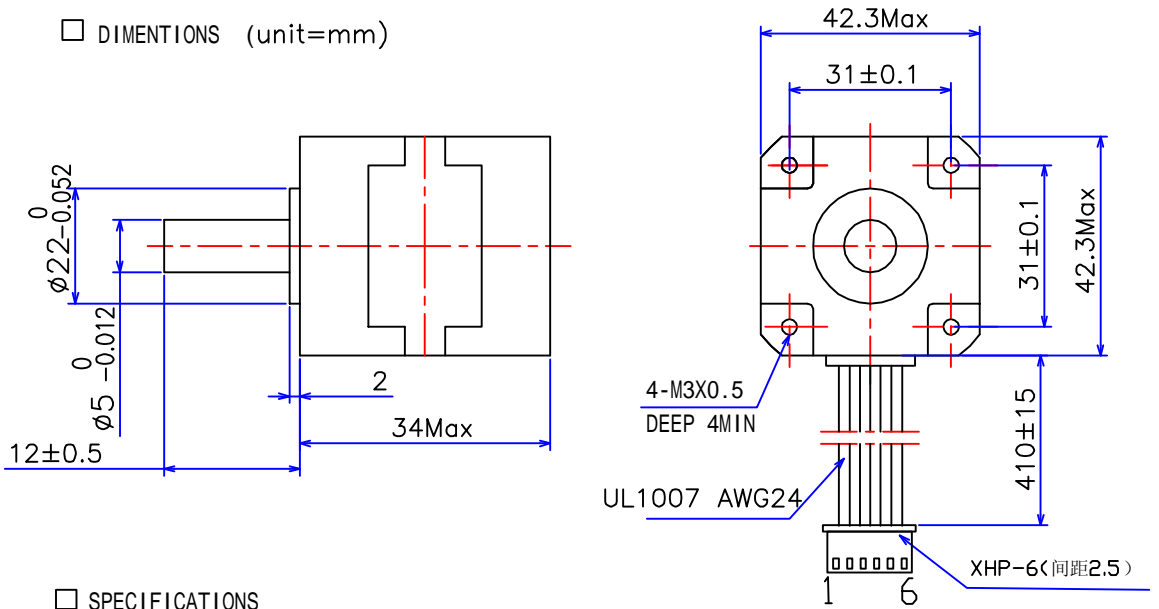


开关顺序图 SWITCHING SEQUENCE

| STEP | A+ | B+ | A- | B- | COM | CCW     |
|------|----|----|----|----|-----|---------|
| 1    | ON | ON |    |    | +DC | ↓<br>CW |
| 2    |    | ON | ON |    |     |         |
| 3    |    |    | ON | ON |     |         |
| 4    | ON |    |    | ON |     |         |

VIEWS FROM MOUNTING SURFACE

DIMENSIONS (unit=mm)



SPECIFICATIONS

| Phase               | 4                     | COMMENT  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
|---------------------|-----------------------|--|---------|-----------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Voltage             | 4.88 V                | <table border="1"> <thead> <tr> <th>PIN NO.</th> <th>L/W COLOR</th> </tr> </thead> <tbody> <tr> <td>PIN 1</td> <td>WHT</td> </tr> <tr> <td>PIN 2</td> <td>BLK</td> </tr> <tr> <td>PIN 3</td> <td>RED</td> </tr> <tr> <td>PIN 4</td> <td>YEL</td> </tr> <tr> <td>PIN 5</td> <td>ORG</td> </tr> <tr> <td>PIN 6</td> <td>BLU</td> </tr> </tbody> </table> | PIN NO. | L/W COLOR | PIN 1 | WHT | PIN 2 | BLK | PIN 3 | RED | PIN 4 | YEL | PIN 5 | ORG | PIN 6 | BLU |
| PIN NO.             | L/W COLOR             |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| PIN 1               | WHT                   |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| PIN 2               | BLK                   |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| PIN 3               | RED                   |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| PIN 4               | YEL                   |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| PIN 5               | ORG                   |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| PIN 6               | BLU                   |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Current             | 0.65 A/Phase          |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Resistance(at 25°C) | 7.5±10% ohm/phase     |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Inductance(at 1KHz) | 7.0±20% mH/Phase      |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Step Angle          | 1.8° ±5%              |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Holding Torque      | 1.0 Kg.cm             |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Detent Torque       | 0.2 Kg.cm             |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Rotor Inertia       | 24 g.cm <sup>2</sup>  |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Insulation Class    | B                     |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Temperature Rise    | 80 K                  |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Ambient Temperature | -20°C+55°C            |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Dielectric Strength | 500VAC for one minute |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |
| Weight              | 0.2 Kg                |  |         |           |       |     |       |     |       |     |       |     |       |     |       |     |

旧底图总号

|      |    |    |        |       |    |       |            |       |  |
|------|----|----|--------|-------|----|-------|------------|-------|--|
| 底图总号 | 标记 | 处数 | 分区     | 更改文件号 | 签名 | 年.月.日 | 常州宝来电器有限公司 |       |  |
| 日期   | 设计 |    | 120315 | 标准化   |    |       | 阶段标记       | 重量    | 比例                                     |
| 日期   | 审核 |    |        |       |    |       |            |       | 2:1                                    |
| 日期   | 工艺 |    |        | 批准    |    |       | 共 1 张      | 第 1 张 | Tel:0519-88372126<br>Fax:0519-88372780 |

格式 (1)

制图:

描图:

幅面: 4<sup>#</sup>