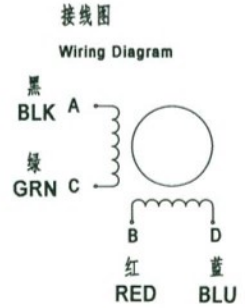
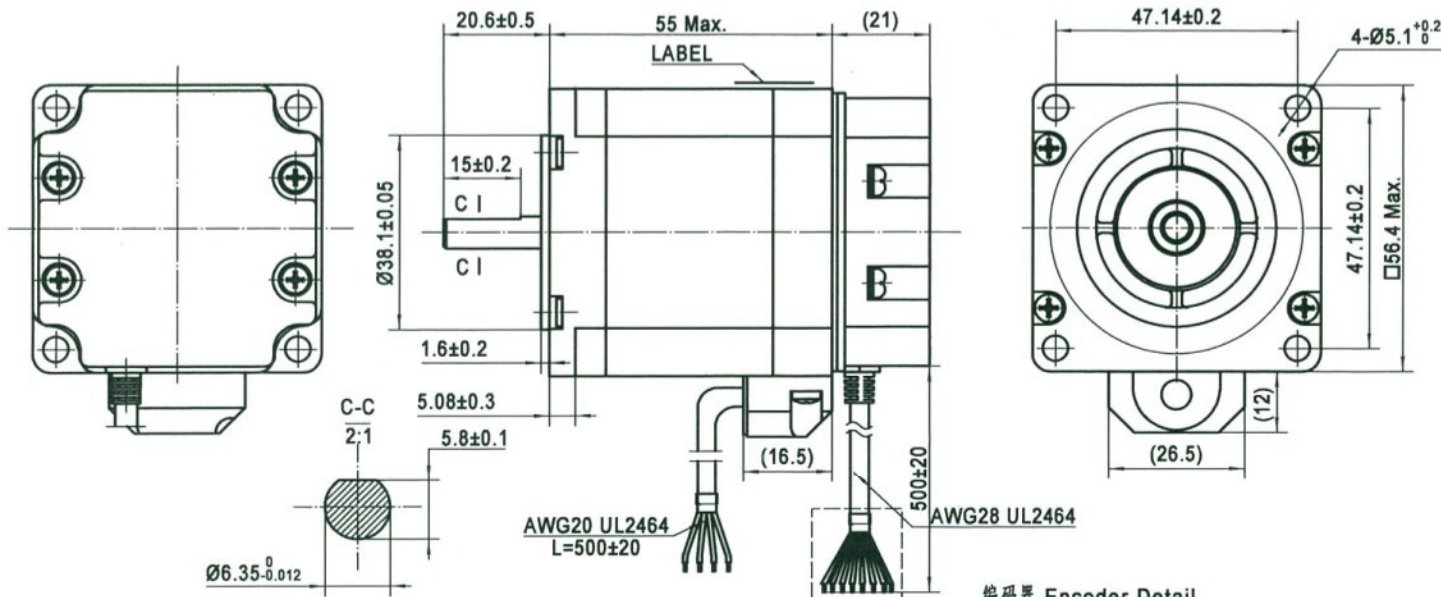


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励磁顺序 vs. 旋转方向  
Exciting Sequence vs. Direction of Rotation

| STEP | A | B | C | D |     |
|------|---|---|---|---|-----|
| 1    | + | + | - | - | CCW |
| 2    | - | + | + | - |     |
| 3    | - | - | + | + | CW  |
| 4    | + | - | - | + |     |

从安装面看为顺时针方向  
Clockwise view from mounting side.

规格 Specifications

|                           |   |
|---------------------------|---|
| 1. 相数 Number of Phase     | 2   |
| 2. 步距角 Step Angle         | 1.8°                                      |
| 3. 额定电压 Rated Voltage     | 4.65 V DC                                 |
| 4. 额定电流 Rated Current     | 1.5 Amp                                   |
| 5. 保持力矩 Holding Torque    | 1.5 Nm Typ. (Two phase on/ rated current) |
| 6. 相电阻 Phase Resistance   | 3.1 ohm±10% (20°C)                        |
| 7. 相电感 Phase Inductance   | 13.6 mH±20% (1kHz 1V rms)                 |
| 8. 转子惯量 Rotor Inertia     | 215 g.cm <sup>2</sup>                     |
| 9. 电机重量 Motor Weight      | 0.63 kg                                   |
| 10. 绝缘等级 Insulation Class | B(130°C)                                  |

编码器 Encoder Detail

型号 (Model): AM4096-1024P/R (1024线)

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| COLOR  | WHT(白) | BLU(蓝) | GRN(绿) | ORG(橙) |
| SIGNAL | CH A+  | CH A-  | CH B+  | CH B-  |
| COLOR  | YEL(黄) | BRN(棕) | RED(红) | BLK(黑) |
| SIGNAL | CH Z+  | CH Z-  | +Vcc   | GND    |

铭牌 Label Detail

MOONS' STEPPING MOTOR  
TYPE ML23HS8L4150-08R  
XXXXXXXX YY/MM/DD

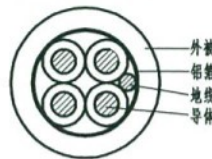
Work Order

加工单号

Date Format

日期格式

电动力线断面



编码器线断面



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

批准 Approve

标准化 Standard

工艺 Technology

审核 Check

设计 Design

MOONS'

Hybrid Stepping Motor

Shanghai MOONS' Electric Co., Ltd.

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A0 原始版本 Original revision

2021.09.14

REV. 版本记录 REVISION RECORD

DATE

UNLESS OTHERWISE SPECIFIED

NAMES

SIGNATURE

DATE

Type: ML23HS8L4150-08R

Rev. A0

SCALE 1:1

Sheet 1 of 1