

A

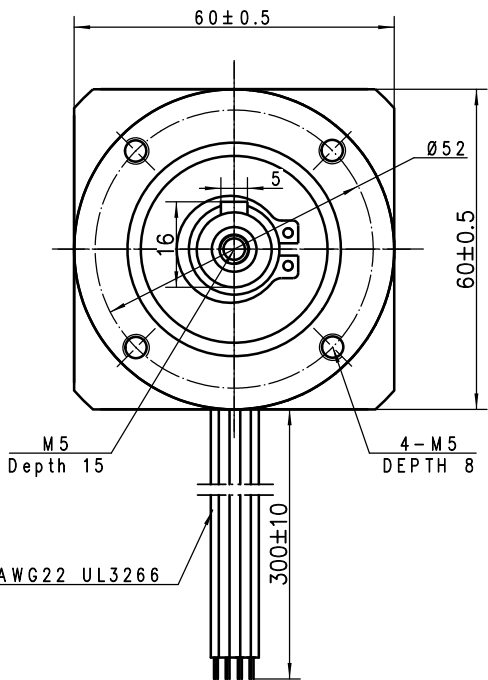
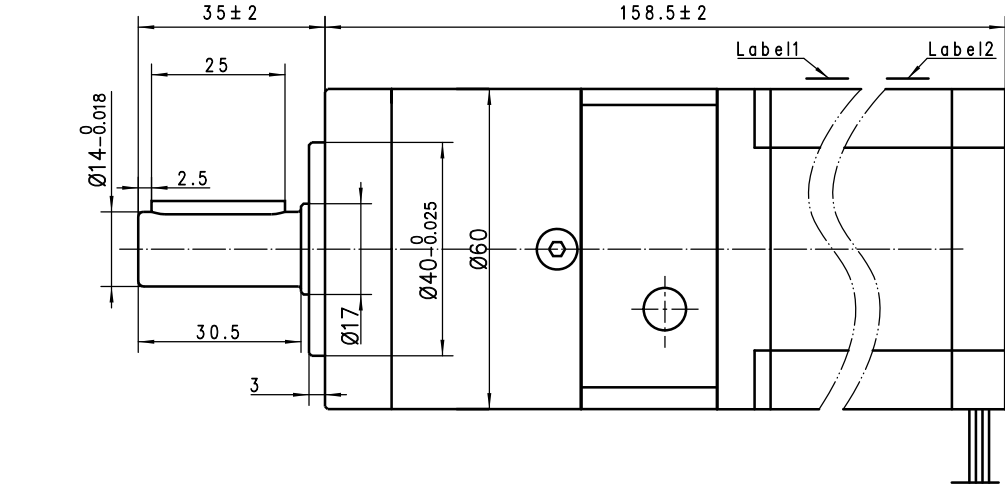
B

C

D

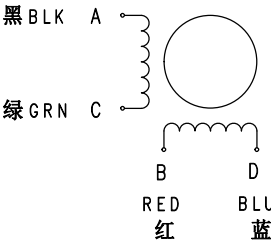
E

F



接线图

Wiring Diagram



励磁顺序vs.旋转方向

Exciting Sequence vs. Direction of Rotation

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

从安装面看为顺时针方向

Clockwise view from mouting 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	2.6 V DC
4. 额定电流 Rated Current	4.5 Amp
5. 保持力矩 Holding Torque	3.2 N.m Typ.(Two phase on/rated current)
6. 相电阻 Phase Resistance	0.65±0.1ohm (20℃)
7. 相电感 Phase Inductance	2.0 mH±20%(1kHz 1V rms)
8. 转子惯量 Rotor Inertia	900g.cm ²
9. 电机重量 Motor Weight	2230g
10. 绝缘等级 Insulation Class	B(130℃)

减速机规格 Planetary gearbox	
减速比 Reduction ratio	5:1
减速级数 Number of stage	1
回程间隙 Backlash (arcmin)	≤ 10
转动惯量 Moment of inertia	0.078Kg·cm ²
额定扭矩 Rated output torque	16 N·m
瞬间承受最大扭矩 Instant stop torque	两倍于额定扭矩 Two times of rated output torque
传动效率 Full load efficiency	96%
噪音 Noise	<65dB(L=100cm)

铭牌1 Label1

MOONS' STEPPING MOTOR
TYPE AM24HS5401-PG05
DATE YY/MM/DD

Date Format

铭牌2 Label2

日期格式



			Unit: mm 第一角画法 FIRST ANGLE METHOD 	批准 Approve			MOONS'		Hybrid Stepping Motor	
			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	标准化 Standard			SHANGHAI AMP & MOONS' AUTOMATION CO.,LTD			
			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	工艺 Technology			This document is released for information only. Its reproduction in whole or in part or its dissemination to third parties is prohibited.			
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A	原始版本 Original revision	2017.12.14		设计 Design						
REV.	版本记录 REVISION RECORD	DATE	UNLESS OTHERWISE SPECIFIED	NAMES	SIGNATURE	DATE	AM24HS5401-PG05	Rev.A	SCALE 1:1	Sheet 1 of 1