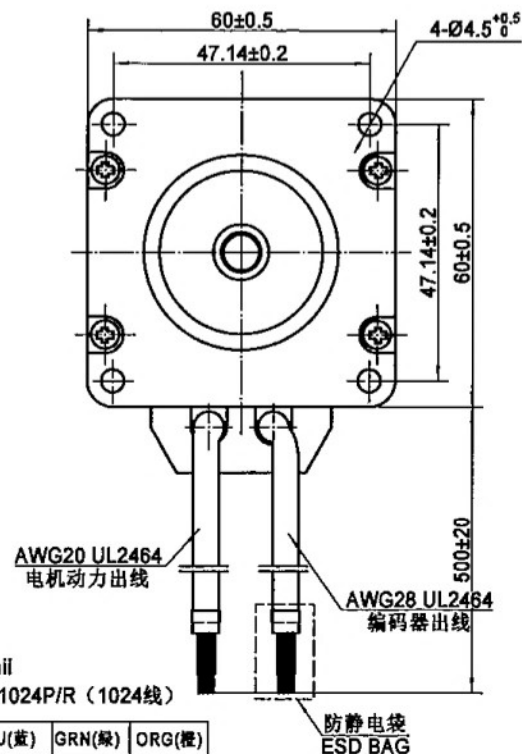


The technical drawing illustrates a mechanical component from three perspectives:

- Front View (Top Left):** A square flange with rounded corners, featuring four mounting holes at the corners and a central circular bore.
- Side View (Top Right):** Shows the profile of the component with various dimensions:
 - Total width: 15 ± 0.2
 - Inner diameter of the main body: $\varnothing 38.1_{-0.05}^0$
 - Two internal features labeled "IC".
 - Distance between IC features: 1.5 ± 0.2
 - Distance from the right edge to the first IC feature: 7 ± 0.3
 - Distance from the right edge to the second IC feature: 5.8 ± 0.1
 - A label "Layer" points to the top surface.
- Cross-section C-C (Bottom):** A circular view taken along section line C-C, showing a hatched area representing a specific material or treatment. The dimension $\varnothing 6.35_{-0.012}^0$ indicates the diameter of this feature.

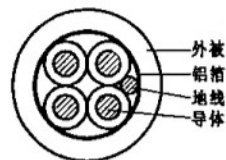
1. 相数 Number of Phase	2
2. 步距角 Step Angle	1.8°
3. 额定电压 Rated Voltage	2.7 V DC
4. 额定电流 Rated Current	3.0 Amp
5. 保持力矩 Holding Torque	1.8 Nm Typ.(Two phase on/rated current)
6. 相电阻 Phase Resistance	0.9 Ω ±15%(20°C)
7. 相电感 Phase Inductance	2.5 mH±20%(1kHz 1V rms)
8. 转子惯量 Rotor Inertia	450 gcm ²
9. 电机重量 Motor Weight	0.89 kg
10. 绝缘等级 Insulation Class	B(130°C)



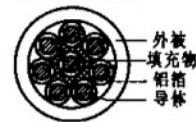
型号(Model): AM4096-1024P/R (1024线)

COLOR	WHT(白)	BLU(藍)	GRN(綠)	ORG(橙)
SIGNAL	CH A+	CH A-	CH B+	CH B-
COLOR	YEL(黃)	BRN(棕)	RED(紅)	BLK(黑)
SIGNAL	CH Z+	CH Z-	+Vcc	GND

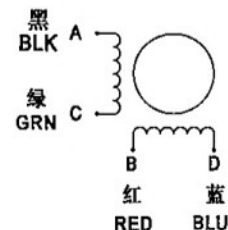
电机动力线断面



编码器线断面



Wiring Diagram



Exciting Sequence vs. Direction of Rotation

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

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

MOONS' STEPPING MOTOR
TYPE MS24HS2L4300-05R
XXXXXXXX YY/MM/DD

Work Order
加工单号

Date Format
日期格式

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 tolerances 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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Type: MS24HS2L4300-05R

Rev.A0

SCALE 1:1

Sheet 1 of 1

A0	原始版本 Original revision	2021.08.23
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REV.	版本记录 REVISION RECORD
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DATE _____

UNLESS OTHERWISE SPECIFIED

NAMES

SIGNATURE

DATE _____