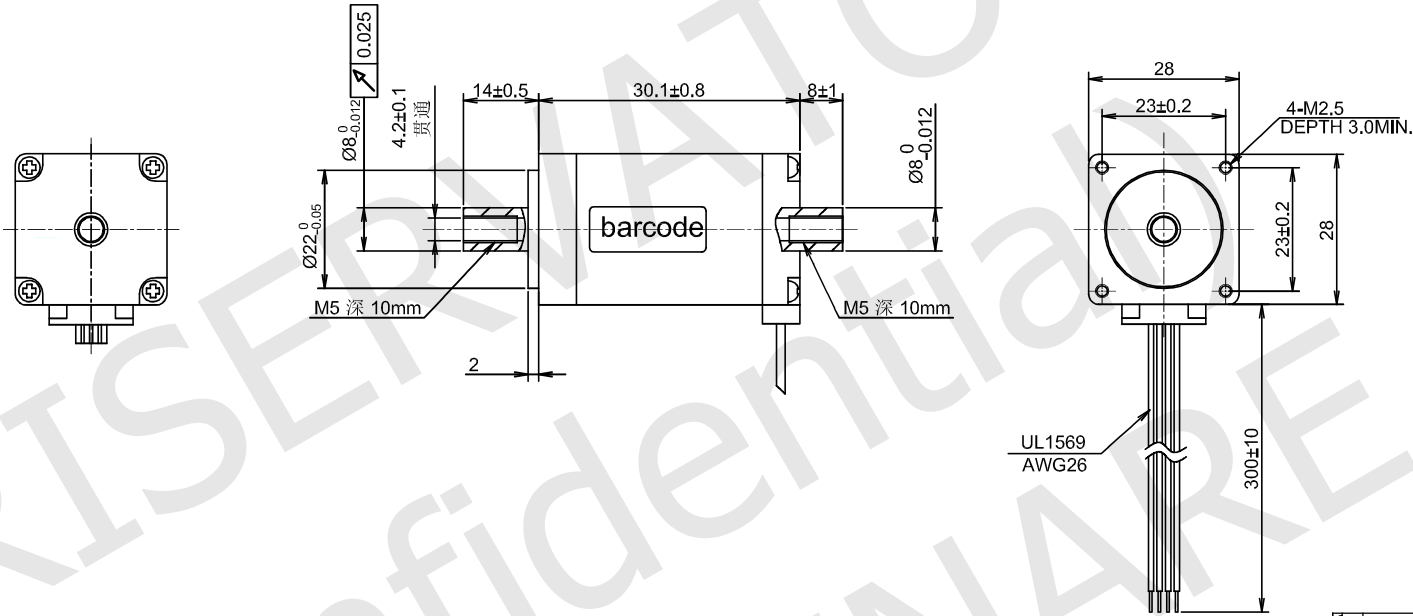


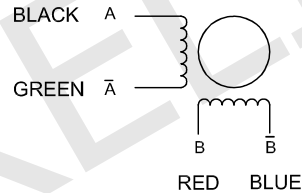
RoHS



**MOTOR SPECIFICATIONS**

STEP ANGLE	1.8° ±5%
RATED CURRENT	1.00 Amps/Ph
HOLDING TORQUE	0.07 Nm Min.
RESISTANCE	4.50 ohm ±10% at 25°C
INDUCTANCE	4.00 mH ±20% at 1kHz, 1 Vrms
ROTOR INERTIA	9.00 g.cm <sup>2</sup>
INSULATION CLASS	Class B, 130°C
DIELECTRIC STRENGTH	500 Vac 1 minute
IP CODE	IP40
PULL OUT TORQUE	---
BACK EMF	---
DETENT TORQUE	---
WEIGHT	100 g. approx
TEMPERATURE RISE	80K Max.
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +70°C
SHAFT AXIAL LOAD	10 N
SHAFT RADIAL LOAD	21 N (ON FRONT SHAFT END)

**WIRING DIAGRAM**



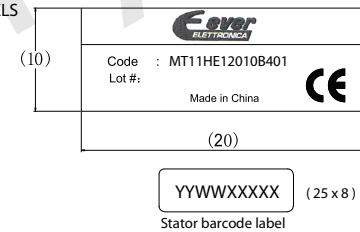
**EXCITING SEQUENCE(TWO PHASES) VS.DIRECTION OF ROTATION**

STEP	A	B	$\bar{A}$	$\bar{B}$	
1	+	+	-	-	CCW
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

CW

CLOCK WISE VIEW FROM MOUNTING SIDE

**LABELS**



UNIT: mm

UNLESS OTHERWISE SPECIFIED TOLERANCES

DIMENSIONS : ±0.3 mm DEGREES : ±5%

REV

00a / 01a - First release.

DESIGN	Stm02442-01a
CHECK	
APPROVED	
DATE	07 / 07 / 2022

DRAWING NOT TO SCALE

**MT11HE12010B401**  
STEPPING MOTOR SPECIFICATION



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