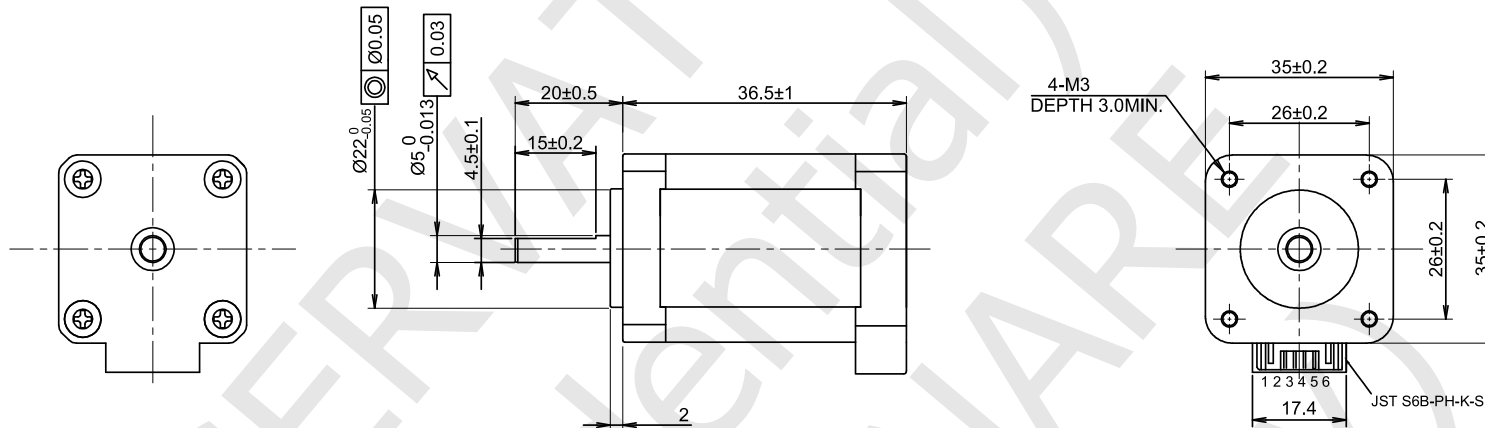


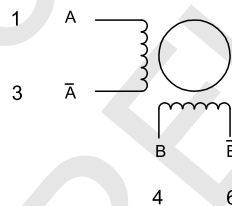
RoHS



**MOTOR SPECIFICATIONS**

STEP ANGLE	1.8° ±5%
RATED CURRENT	2.30 Amps/Ph
HOLDING TORQUE	0.16 Nm Min.
RESISTANCE	0.70 ohm ±10% at 25°C
INDUCTANCE	0.72 mH ±20% at 1kHz, 1Vrms
ROTOR INERTIA	20 g.cm <sup>2</sup>
INSULATION CLASS	Class B, 130°C
DIELECTRIC STRENGTH	500 Vac 1 minute
IP CODE	IP20
PULL OUT TORQUE	---
BACK EMF	---
DETENT TORQUE	---
WEIGHT	210 g. approx
TEMPERATURE RISE	80K Max.
OPERATION AMBIENT	-20°C ~ +50°C
STORAGE AMBIENT	-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**

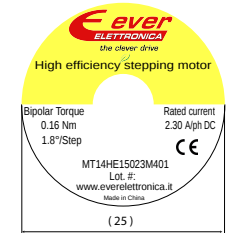
STEP	A	B	A̅	B̅
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

CW (Clockwise) and CCW (Counter-clockwise) directions are indicated.

CLOCK WISE VIEW FROM MOUNTING SIDE

**LABELS**

YYWWXXXXX (25 x 8)  
Stator barcode label



UNIT: mm

DESIGN: Stm01674-00c

UNLESS OTHERWISE SPECIFIED TOLERANCES

CHECK

DIMENSIONS : ±0.3 mm DEGREES : ±5%

APPROVED

DRAWING NOT TO SCALE

DATE: 03 / 12 / 2018

REV

- 00a - First release.
- 00b - Modified the depth of the front flange fixing holes and resistance, inductance.
- 00c - Modified inductance and resistance winding values as required.

**MT14HE15023M401**  
STEPPING MOTOR SPECIFICATION



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