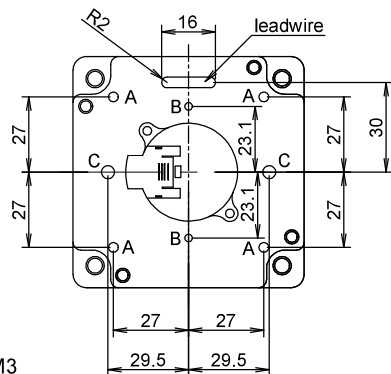
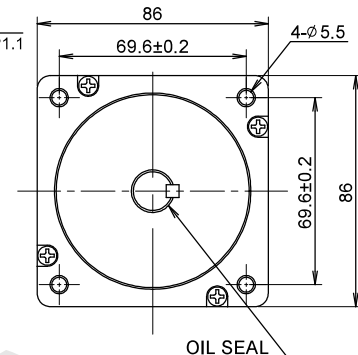
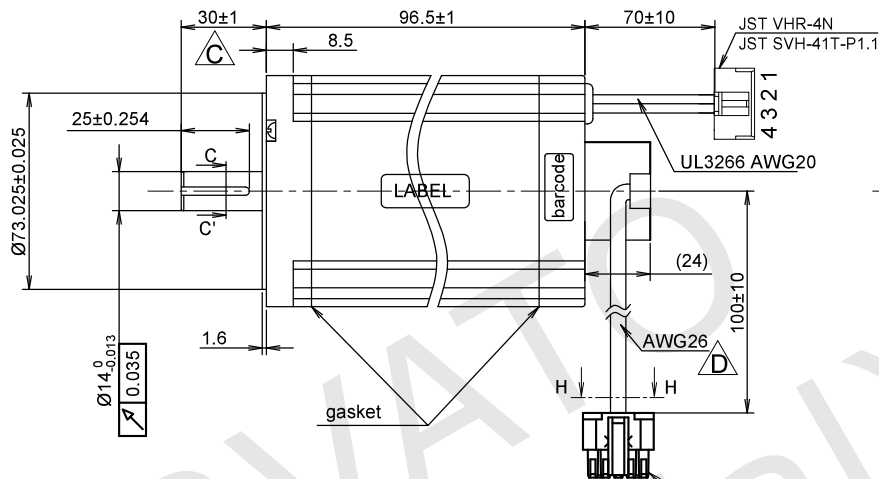


RoHS



A=4 holes M3
B=2 holes M2.5
C=2 holes M4



ENCODER SPECIFICATIONS

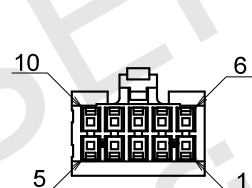
ENCODER TYPE	ABSOLUTE MULTITURN
POWER SUPPLY	5Vdc
SINGLE TURN RESOLUTION	17 Bit
MULTI TURN RESOLUTION	16 Bit
OUTPUT TYPE	BISS-C

MOTOR SPECIFICATIONS

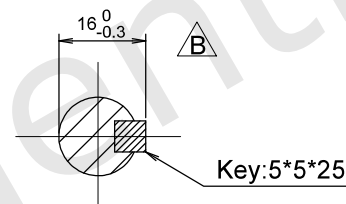
STEP ANGLE	1.8° ±5%
RATED CURRENT	6.00 Amps/Ph
HOLDING TORQUE	7.00 Nm Min.
RESISTANCE	0.46 ohm ±0.1 at 25°C
INDUCTANCE	3.70 mH ±20% at 1kHz, 1Vrms
ROTOR INERTIA	2700 g.cm ²
INSULATION CLASS	Class B, 130°C
DIELECTRIC STRENGTH	500 Vac 1 minute
IP CODE	IP65 (except rear flange)
PULL OUT TORQUE	---

BACK EMF	---
DETENT TORQUE	---
WEIGHT	3000 g. approx

TEMPERATURE RISE	80K Max.
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +70°C
SHAFT AXIAL LOAD	60 N
SHAFT RADIAL LOAD	220 N (ON FRONT SHAFT END)

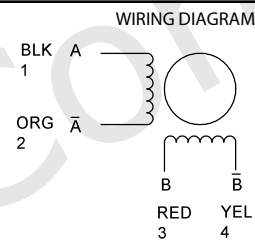


VIEW: H-H



C-C' VIEW

NOTE: Rotor without coating.



PIN NO	OUT
1	+5V
2	GND
3	N/A
4	N/A
5	N/A
6	DATA+
7	DATA-
8	CLOCK+
9	CLOCK-
10	N/A

EXCITING SEQUENCE (TWO PHASES)
VS. DIRECTION OF ROTATION

STEP	A	B	Ā	B̄
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

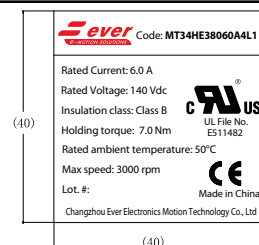
CLOCK WISE VIEW FROM MOUNTING SIDE

LABELS

YYWWXXXXX

Stator barcode label

(25 x 8)



UNIT: MM
UNLESS OTHERWISE SPECIFIED TOLERANCES
DIMENSIONS : ±0.3MM DEGREES : ±5%
GEOMETRICAL TOLERANCE FOR FEATURES WITHOUT INDIVIDUAL
TOLERANCE INDICATIONS: GB/T 1184-K EQUI ISO 2768-2:K
ORTHOGRAPHIC PROJECTION: 1st angle

DRAWING NOT TO SCALE

REV

00a / 01a - First release.
01b - Change encoder connector and front shaft key tolerance.
01c - Place the wave washer in front end bell.
01d / 02d - Mark th encoder lead wires model / Updated the label for UL requirements.

SPECIFICATION	Stm02821-02d
DESIGNER	Ever China
CHECK	Mario Bianchi
APPROVED	Matteo Caldi
DATE	01 / 12 / 2025

MT34HE38060A4L1
STEPPING MOTOR SPECIFICATION

www.everelettronica.it

Mod. 8.2-5 Rev.02