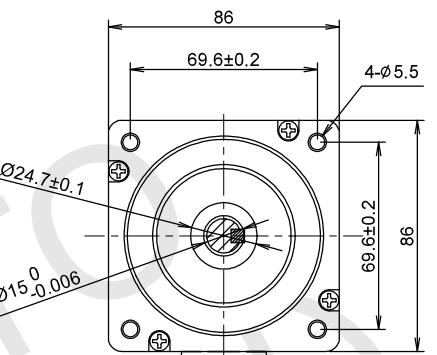
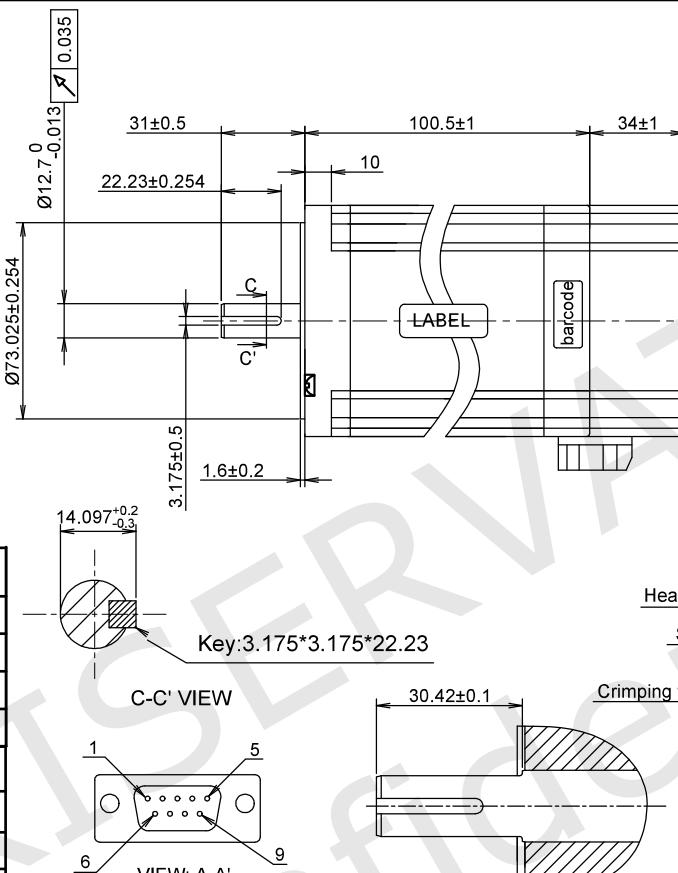
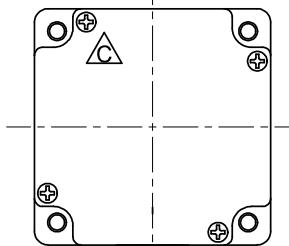


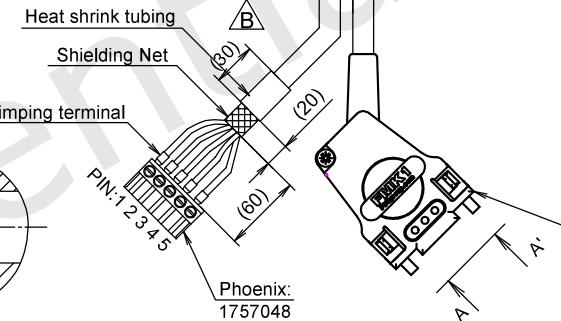
RoHS

A



UL2517 AWG20  
LONG:1000±50

AWG24  
LONG:1000±50



MOLEX:1727040095  
MOLEX:1727040099  
MOLEX 1731120653  
MOLEX 1731120200

B

## ENCODER SPECIFICATIONS

ENCODER TYPE	Incremental
--------------	-------------

POWER SUPPLY	5.00 Vdc
--------------	----------

RESOLUTION	1000 ppr
------------	----------

OUTPUT TYPE	Line Driver
-------------	-------------

C

## MOTOR SPECIFICATIONS

STEP ANGLE	1.8° ±5%
------------	----------

RATED CURRENT	10.0 Amps/Ph
---------------	--------------

HOLDING TORQUE	9.60 Nm Min.
----------------	--------------

D

RESISTANCE	0.31ohm ±0.1 at 25°C
------------	----------------------

INDUCTANCE	1.80 mH ±20% at 1kHz, 1Vrms
------------	-----------------------------

ROTOR INERTIA	1900 g.cm²
---------------	------------

INSULATION CLASS	Class B, 130°C
------------------	----------------

DIELECTRIC STRENGTH	750 Vac 1 minute
---------------------	------------------

IP CODE	IP40
---------	------

PULL OUT TORQUE	---
-----------------	-----

BACK EMF	---
----------	-----

DETENT TORQUE	---
---------------	-----

WEIGHT	2300 g. approx
--------	----------------

TEMPERATURE RISE	80K Max.
------------------	----------

OPERATING TEMPERATURE	-20°C ~ +50°C
-----------------------	---------------

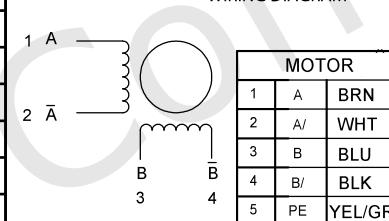
STORAGE TEMPERATURE	-20°C ~ +70°C
---------------------	---------------

SHAFT AXIAL LOAD	60 N
------------------	------

SHAFT RADIAL LOAD	220 N (ON FRONT SHAFT END)
-------------------	----------------------------

E

## WIRING DIAGRAM



## ENCODER

1	5Vdc
2	---
3	Z
4	B
5	A
6	GND
7	Z-bar
8	B-bar
9	A-bar

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

STEP	A	B	A-bar	B-bar
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

## LABELS

YYWWXXXXX  
(25 x 8)  
Stator barcode label

ever Code: MT34HE38100E4K2

Rated Current: 10.0 A

Rated Voltage: 140 Vdc

Insulation class: Class B

Holding torque: 9.6 Nm

Rated ambient temperature: 50°C

Max speed: 3000 rpm

Lot #: Changzhou Ever Electronics Motion Technology Co., Ltd

Made in China

(40)

(40)

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

SPECIFICATION

Stm03008-01c

DESIGNER

Ever China

CHECK

Mario Bianchi

APPROVED

Matteo Caldi

DATE

01 / 12 / 2025

## DRAWING NOT TO SCALE

REV

00a - first emission  
00b - Changed the cabling mode.  
00c - Changed the screw position on rear flange.  
01c - Updated the label for UL requirements.

**MT34HE38100E4K2**  
STEPPING MOTOR SPECIFICATION

**ever**  
e-MOTION SOLUTIONS

www.everelettronica.it

Mod. 8.2-5 Rev.02