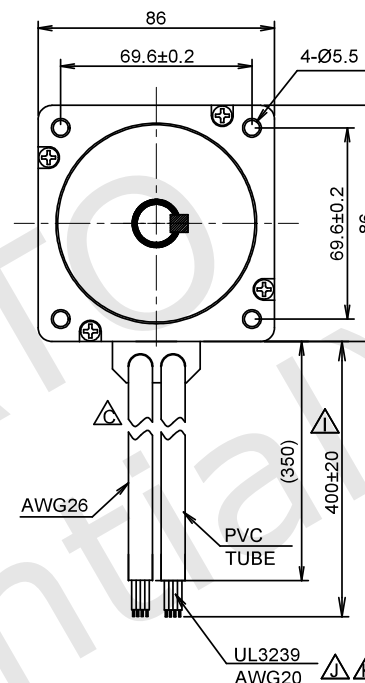
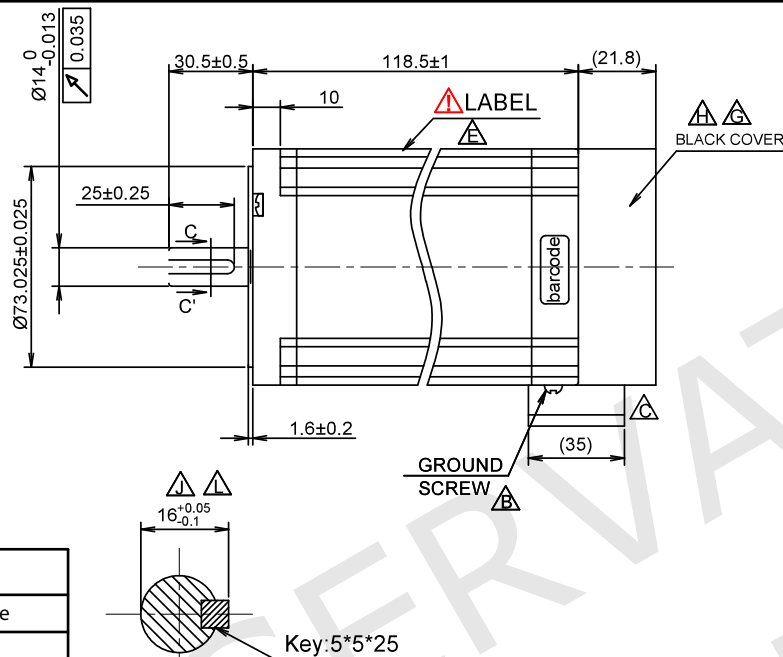
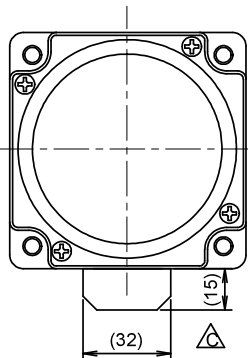


RoHS



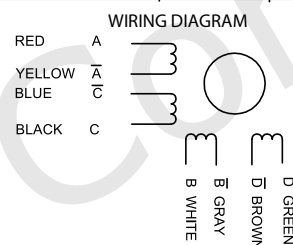
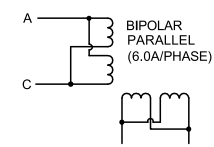
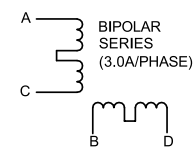
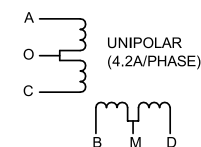
ENCODER SPECIFICATIONS

ENCODER TYPE	Incremental quadrature
POWER SUPPLY	5.00 Vdc
RESOLUTION	1000 ppr
OUTPUT TYPE	Line driver

MOTOR SPECIFICATIONS

STEP ANGLE	1.8° ±5%
RATED CURRENT	4.20 Amps/Ph
HOLDING TORQUE	8.50 Nm Min.
RESISTANCE	0.80 ohm ±0.15 at 25°C
INDUCTANCE	4.20 mH ±20%
ROTOR INERTIA	3800 g.cm ²
INSULATION CLASS	Class F, 155°C
DIELECTRIC STRENGTH	1500 Vac 1 minute
IP CODE	IP40
PULL OUT TORQUE	---
BACK EMF	---
DETENT TORQUE	---
WEIGHT	4000 g. approx
TEMPERATURE RISE	105K Max.
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +50°C
SHAFT AXIAL LOAD	60 N
SHAFT RADIAL LOAD	220 N (ON FRONT SHAFT END)

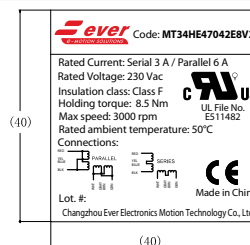
CONNECTION MODE	RESISTANCE (ohm)	INDUCTANCE (mH)	RATED CURRENT (A)	HOLDING TORQUE N.m
UNIPOLAR	0.8	4.2	4.2	6.0
SERIES BIPOAR	1.6	16.8	3.0	8.5
PARALLEL BIPOLAR	0.4	4.2	6.0	8.5



ENCODER	
Red	Vdc
Black	GND
Blue	A
Blue/White	A/
Orange	B
Orange/White	B/
Green	Z
Green/White	Z/

LABELS

YYWWXXXXX
Stator barcode label
(25 x 8)



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

DRAWING NOT TO SCALE

SPECIFICATION	Stm02261-011
DESIGNER	Ever China
CHECK	Mario Bianchi
APPROVED	Matteo Caldi
DATE	01 / 12 / 2025

REV

00h - First release.
00i / 00j / 00k / 00l- Change the leadwires length tolerance, the UL type and key tolerance.
01l- Updated the label for UL requirements.

MT34HE47042E8V2
STEPPING MOTOR SPECIFICATION

www.evereletronica.it

Mod. 8.2-5 Rev.02