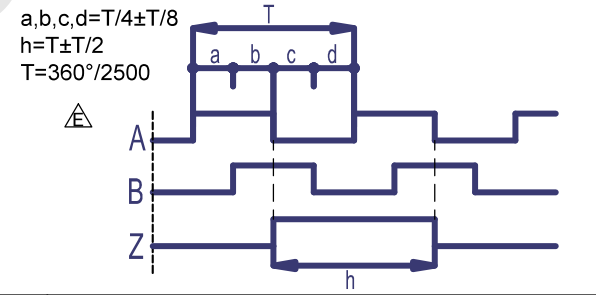
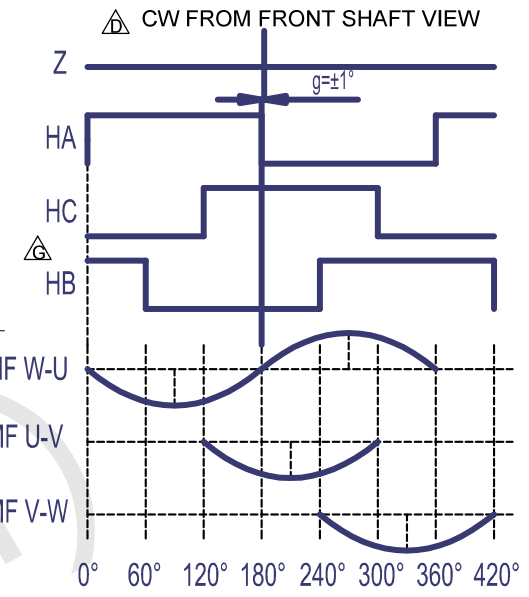
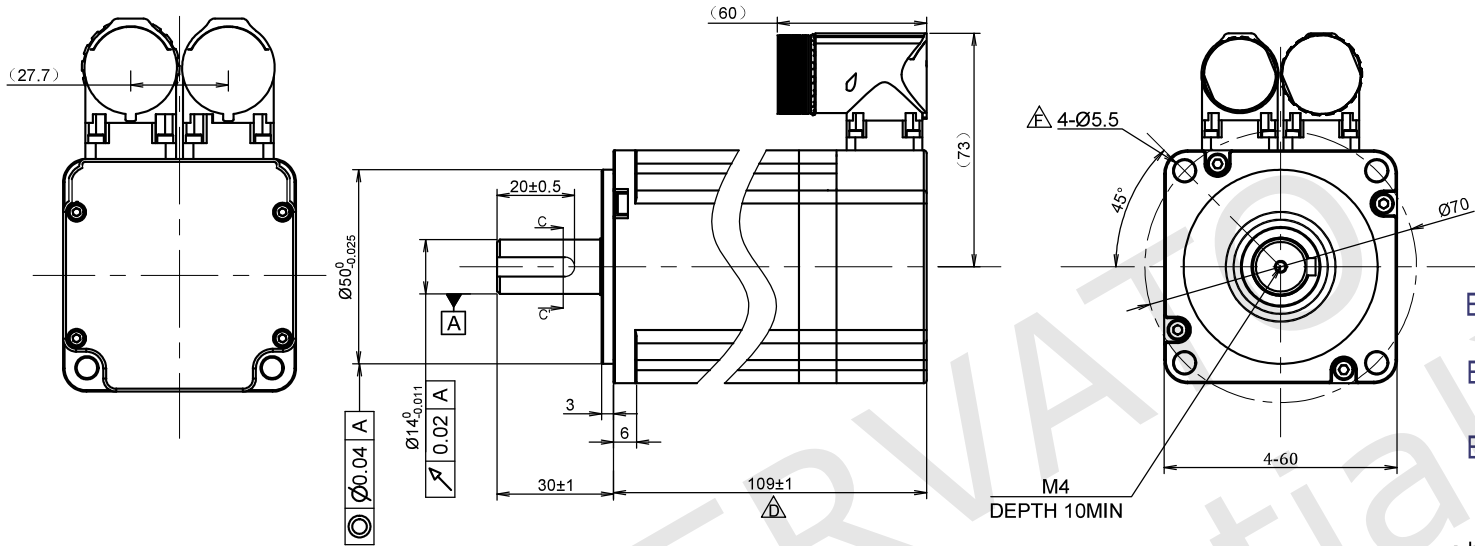
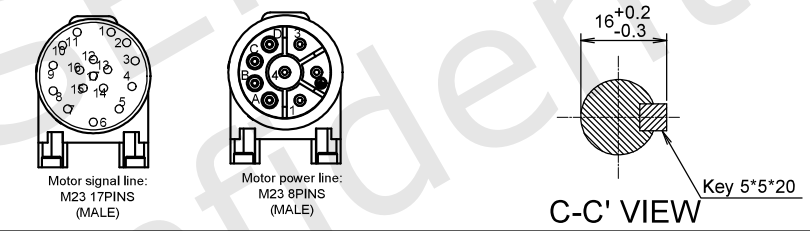


RoHS



ENCODER SPECIFICATIONS	
ENCODER TYPE	Incremental
POWER SUPPLY	5.00 Vdc
RESOLUTION	2500 ppr
OUTPUT TYPE	Line Driver
MOTOR SPECIFICATIONS	
POLES	10
RATED VOLTAGE	200~250 Vac
RATED POWER	400 W
RATED CURRENT	2.95 A
RATED TORQUE	1.28 Nm
PEAK TORQUE	4.00 Nm
RATED SPEED	3000 rpm $\pm 10\%$
PEAK SPEED	6000 rpm $\pm 10\%$
RESISTANCE	4.18 ohm $\pm 10\%$
INDUCTANCE	8.03 mH $\pm 20\%$
PEAK CURRENT	9.9 A
TORQUE CONSTANT	0.43 Nm/A
BACK EMF CONSTANT	30.1 Vrms/Krpm
ROTOR INERTIA	370 g.cm ²
WEIGHT	1600 g. approx
IP CODE	IP65 (except for the shafts extensions)



WIRING DIAGRAM

PiN NO.	1	2	3	4	A	B	C	D
Signal	U	Ground	V	W	---	---	---	---

Motor signal line:

PiN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Signal	$\sqrt{5}$ VDC	GND	A	A/	B	B/	Z	Z/	---	---	Hall HA+	Hall HA-	Hall HB+	Hall HB-	Hall HC+	Hall HC-	---

SPECIFICATION	Stm02746-00g
DESIGNER	Ever China
CHECK	Mario Bianchi
APPROVED	Matteo Caldi
DATE	26 / 08 / 2024

LABELS

Code : BA24HA0402E0B00
Cust. P/N:

Voltage: 230 Vac Power: 400W
Rated speed: 3000 rpm Lot #: Made in China
Rated torque: 1.28 Nm
Connect to driver only, see manual for details.

(40)

YYWWXXXXX (25 x 8)
Stator barcode label

BA24HA0402E0B00
AC BRUSHLESS MOTOR SPECIFICATION

the clever drive

www.everelettronica.it Mod. 8.2-5 Rev.00

DRAWING NOT TO SCALE

REV	DESCRIPTION
00a	First release.
00b	Correct the encoder resolution.
00c	Correct the Hall signals.
00d	Add diagrams and modified some parameters.
00e	Updated the encoder waveform.
00f	Correct the fixing holes on front flange.
00g	Modify the waveform of HB and HC.