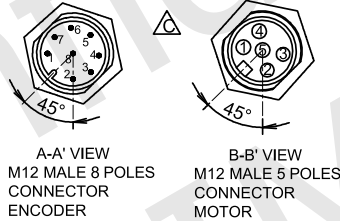
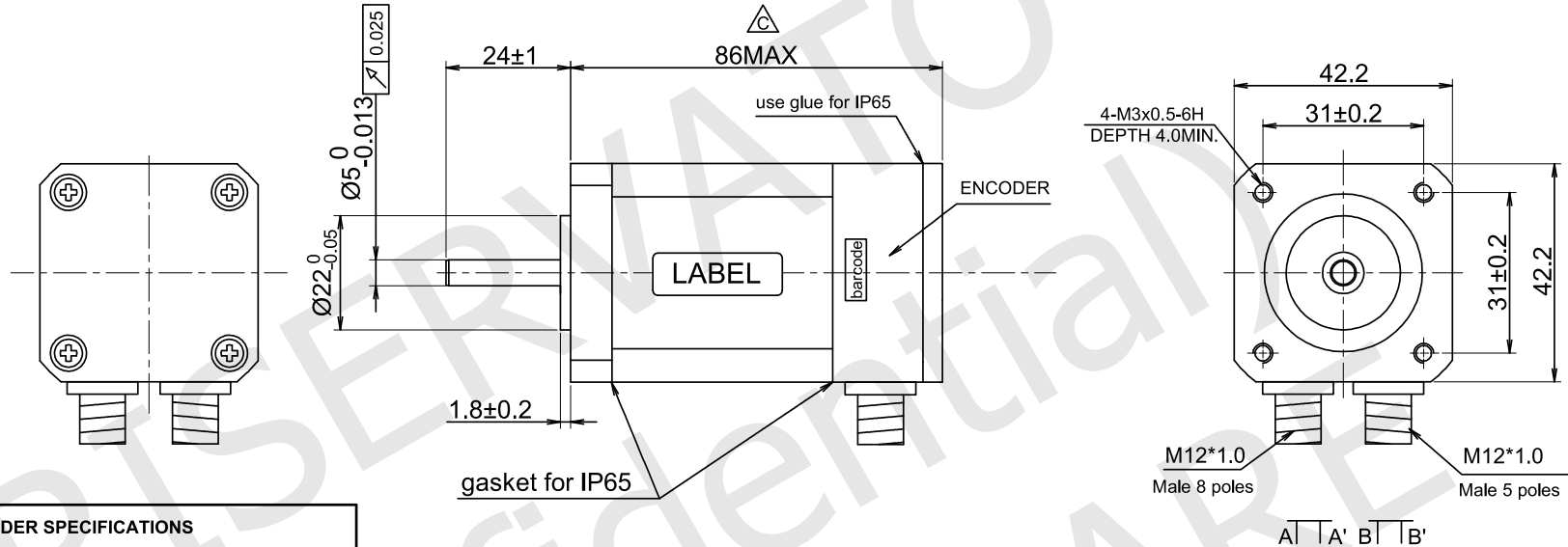


RoHS



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	1.80 Amps/Ph
HOLDING TORQUE	0.72 Nm Min.
RESISTANCE	2.00 ohm ±10% at 25°C
INDUCTANCE	5.00 mH ±20% at 1kHz, 1 Vrms
ROTOR INERTIA	115 g.cm ²
INSULATION CLASS	Class B, 130°C
DIELECTRIC STRENGTH	500 Vac 1 minute
IP CODE	IP65 (except for the front shaft)
PULL OUT TORQUE	---
BACK EMF	---
DETENT TORQUE	---
WEIGHT	700 g. approx
TEMPERATURE RISE	80K Max.
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +70°C
SHAFT AXIAL LOAD	10 N
SHAFT RADIAL LOAD	21 N (ON FRONT SHAFT END)

WIRING DIAGRAM

MOTOR		ENCODER	
1	A	1	Vdc
2	A/	2	GND
4	B	3	A
5	B/	4	A/
		5	B
		6	B/
		7	Z
		8	Z/

EXCITING SEQUENCE (TWO PHASES) VS. DIRECTION OF ROTATION

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

CLOCK WISE VIEW FROM MOUNTING SIDE

LABELS

Code : MT17HE24018E4LC
Cust. P/N:

Ever ELECTRONICA

I_{max}: 1.80 Arms V_{fmax}: 3.60Vdc
L: 5.00mH Rs: 2.00ohm
T_{max}: 130°C Lot #: Made in China
Connect to driver only, see manual for details.

YYWWXXXX (25 x 8)
Stator barcode label

MT17HE24018E4LC
STEPPING MOTOR SPECIFICATION



www.everelettronica.it

UNIT: mm

DESIGN: Stm01857-00c

UNLESS OTHERWISE SPECIFIED TOLERANCES

CHECK

DIMENSIONS : ±0.3 mm DEGREES : ±5%

APPROVED

DRAWING NOT TO SCALE

DATE: 28 / 05 / 2021

REV

- 00a - First release.
- 00b - Modified the encoder resolution.
- 00c - Modified connector layout position and changed the motor length.