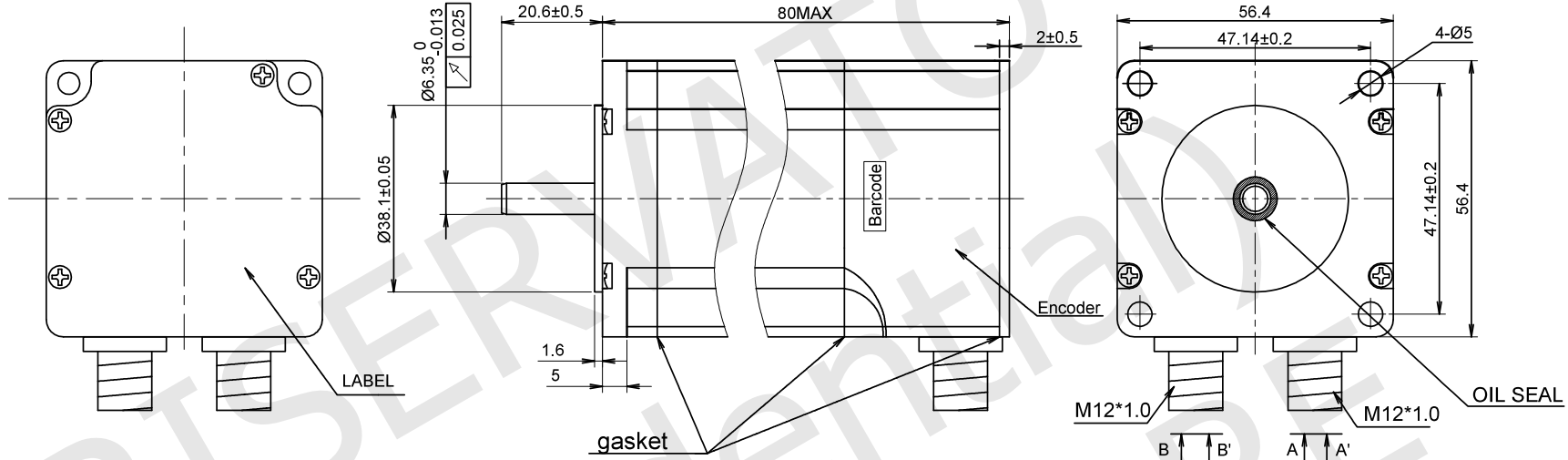


RoHS



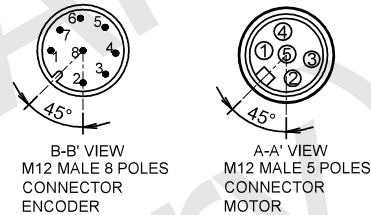
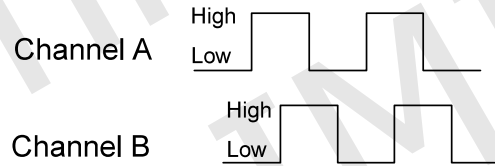
ENCODER SPECIFICATIONS

ENCODER TYPE	Incremental quadrature
POWER SUPPLY	5.00 Vdc
RESOLUTION	500 ppr
OUTPUT TYPE	Line driver

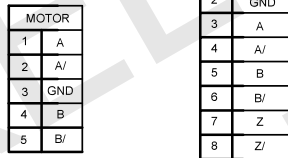
MOTOR SPECIFICATIONS

STEP ANGLE	1.8° ±5%
RATED CURRENT	2.82 Amps/Ph
HOLDING TORQUE	1.10 Nm Min.
RESISTANCE	0.85 ohm ±0.15 at 25°C
INDUCTANCE	2.50 mH ±20%
ROTOR INERTIA	280 g.cm ²
INSULATION CLASS	Class B, 130°C
DIELECTRIC STRENGTH	500 Vac 1 minute
IP CODE	IP65
PULL OUT TORQUE	---
BACK EMF	---
DETENT TORQUE	---
WEIGHT	850 g. approx
TEMPERATURE RISE	80K Max.
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +70°C
SHAFT AXIAL LOAD	15 N
SHAFT RADIAL LOAD	75 N (ON FRONT SHAFT END)

Encoder Outputs Phases Diagram (CW from the front shaft)



WIRING DIAGRAM



EXCITING SEQUENCE (TWO PHASES) VS. DIRECTION OF ROTATION

STEP	A	B	\bar{A}	\bar{B}
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

Clockwise (CW) and Counter-clockwise (CCW) rotation directions are indicated.

CLOCK WISE VIEW FROM MOUNTING SIDE

LABELS

YYWWXXXX (25 x 8)
Stator barcode label



MT23HE22028E4L2
STEPPING MOTOR SPECIFICATION



www.everelettronica.it

UNIT: mm

DESIGN Stm02380-00b

UNLESS OTHERWISE SPECIFIED TOLERANCES

CHECK

DIMENSIONS : ±0.3mm DEGREES : ±5%

APPROVED

DRAWING NOT TO SCALE

DATE

19 / 10 / 2021

REV

00b - First release.