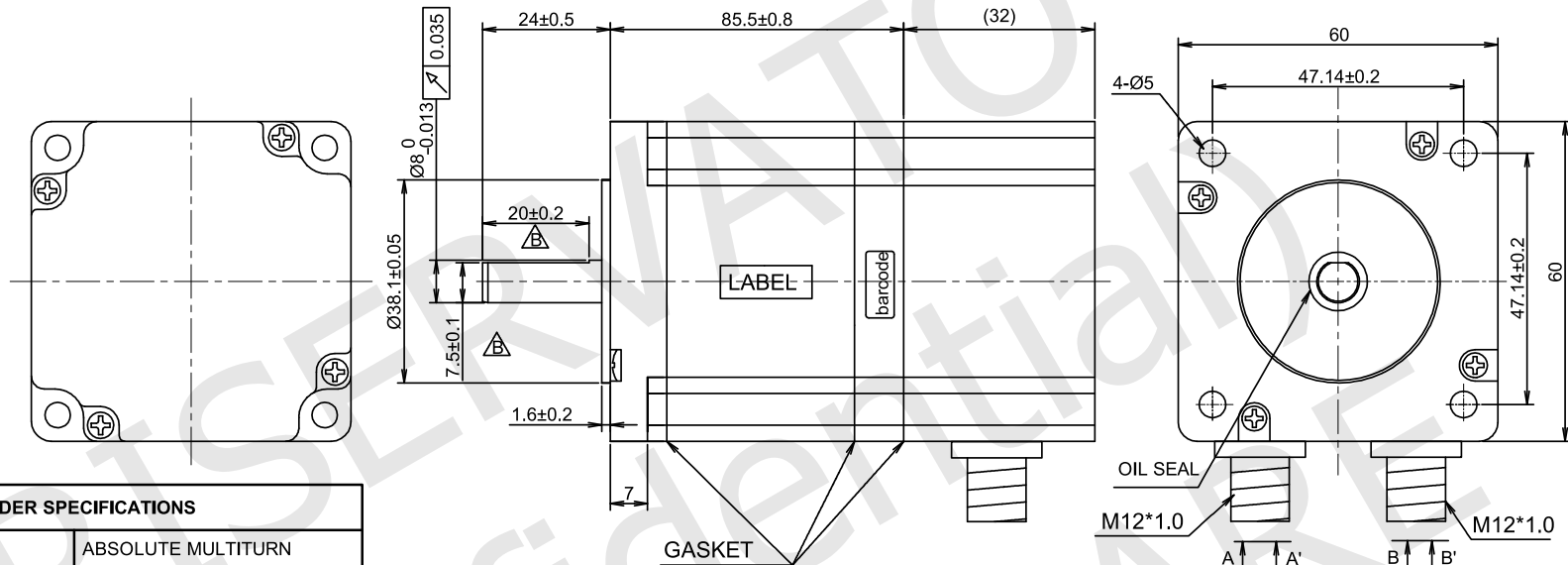


RoHS



ENCODER SPECIFICATIONS

ENCODER TYPE	ABSOLUTE MULTITURN
POWER SUPPLY	5 Vdc
SINGLE TURN RESOLUTION	17 bits
MULTI TURN RESOLUTION	16 bits
OUTPUT TYPE	BiSS-C

MOTOR SPECIFICATIONS

STEP ANGLE	1.8° ±5%
RATED CURRENT	4.20 Amps/Ph
HOLDING TORQUE	3.00 Nm Min.
RESISTANCE	0.75 ohm ±0.15 at 25°C
INDUCTANCE	3.00 mH ±20% at 1kHz, 1Vrms
ROTOR INERTIA	920 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	2000 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 THE SHAFT END)



A-A' VIEW
M12 MALE 5 POLES
CONNECTOR
MOTOR



B-B' VIEW
M12 MALE 8 POLES
CONNECTOR
ENCODER

WIRING DIAGRAM

MOTOR	
1	A
2	A/
3	B
4	B/
5	

ENCODER	
7	GND
5	PRESET
6	CONFIG
1	DATA+
2	DATA-
4	CLK-
3	CLK+
8	+Vcc

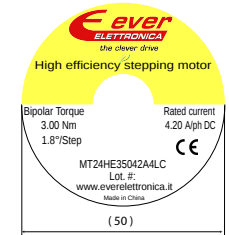
**EXCITING SEQUENCE (TWO PHASES)
VS. DIRECTION OF ROTATION**

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

CLOCK WISE VIEW FROM MOUNTING SIDE

LABELS

YYWWXXXXX (25 x 8)
Stator barcode label



UNIT: mm

DESIGN

Stm02206-00b

UNLESS OTHERWISE SPECIFIED TOLERANCES

CHECK

DIMENSIONS : ±0.3 mm DEGREES : ±5%

APPROVED

DRAWING NOT TO SCALE

DATE

09 / 12 / 2020

REV

00a - First release.

00b - Change the motor connector and add the D-cut on front shaft.

**MT24HE35042A4LC
STEPPING MOTOR SPECIFICATION**



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