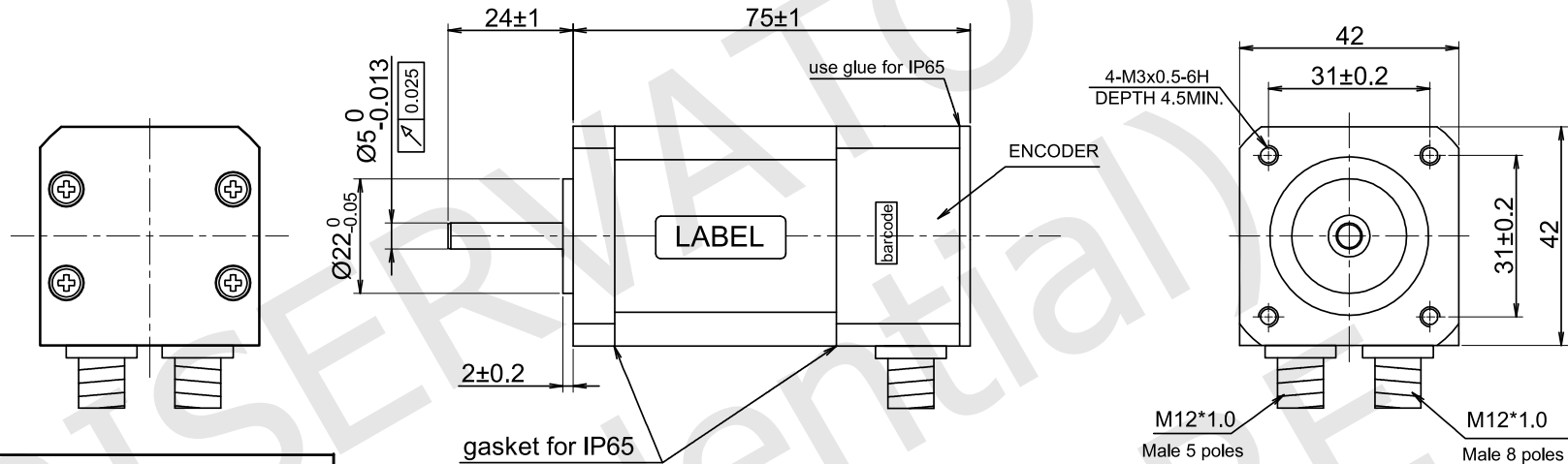


RoHS



ENCODER SPECIFICATIONS

ENCODER TYPE	Absolute multiturn
POWER SUPPLY	5.00 Vdc
SINGLE TURN RESOLUTION	17 bits
MULTI TURN RESOLUTION	16 bits
OUTPUT TYPE	BISS-C

MOTOR SPECIFICATIONS

STEP ANGLE	1.8° ±5%
RATED CURRENT	2.00 Amps/Ph
HOLDING TORQUE	0.48 Nm Min.
RESISTANCE	1.00 ohm ±10% at 25°C
INDUCTANCE	2.00 mH ±20% at 1kHz, 1 Vrms
ROTOR INERTIA	80 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	560 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)



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/
4	B
5	B/

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

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

STEP	A	B	A'	B'
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

CW (down arrow) CCW (up arrow)

CLOCK WISE VIEW FROM MOUNTING SIDE

LABELS

Code : MT17HE19020A4L2
Cust. P/N:

ifmax: 2.00 Arms Vfmax: 2.00 Vdc
L: 2.00 mH Rs: 1.00 ohm
Tmax: 130°C Lot #: Made in China
Connect to driver only, see manual for details.

YYWWXXXXX (25 x 8)
Stator barcode label

UNIT: mm

UNLESS OTHERWISE SPECIFIED TOLERANCES

DIMENSIONS : ±0.3 mm DEGREES : ±5%

REV

00a - First release.

DESIGN

Stm02122-00a

CHECK

APPROVED

DATE

08 / 09 / 2020

DRAWING NOT TO SCALE

MT17HE19020A4L2
STEPPING MOTOR SPECIFICATION



www.everelectronica.it