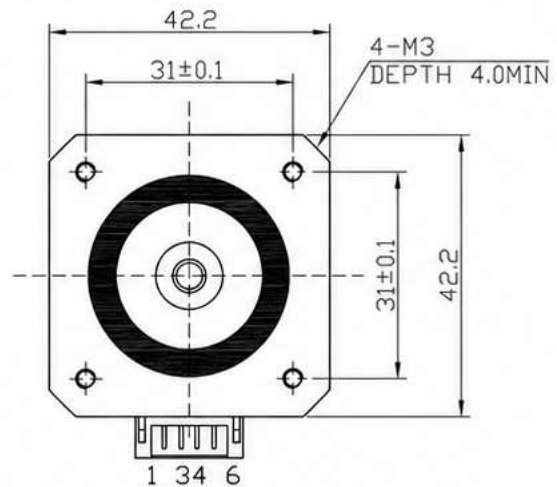
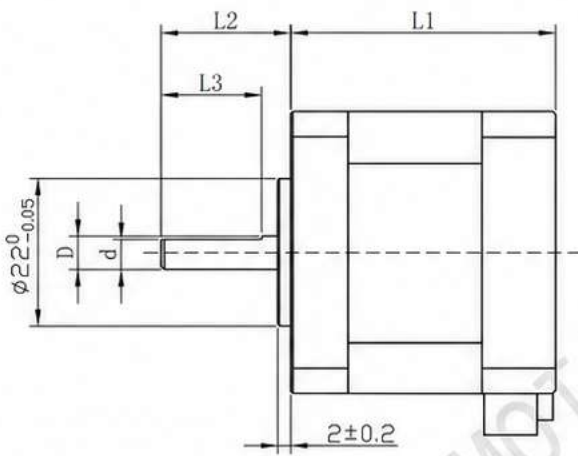
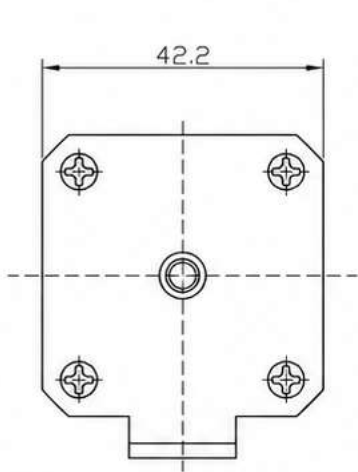




Body length	L1	24
		28
		33
		40
		48
		60
		68

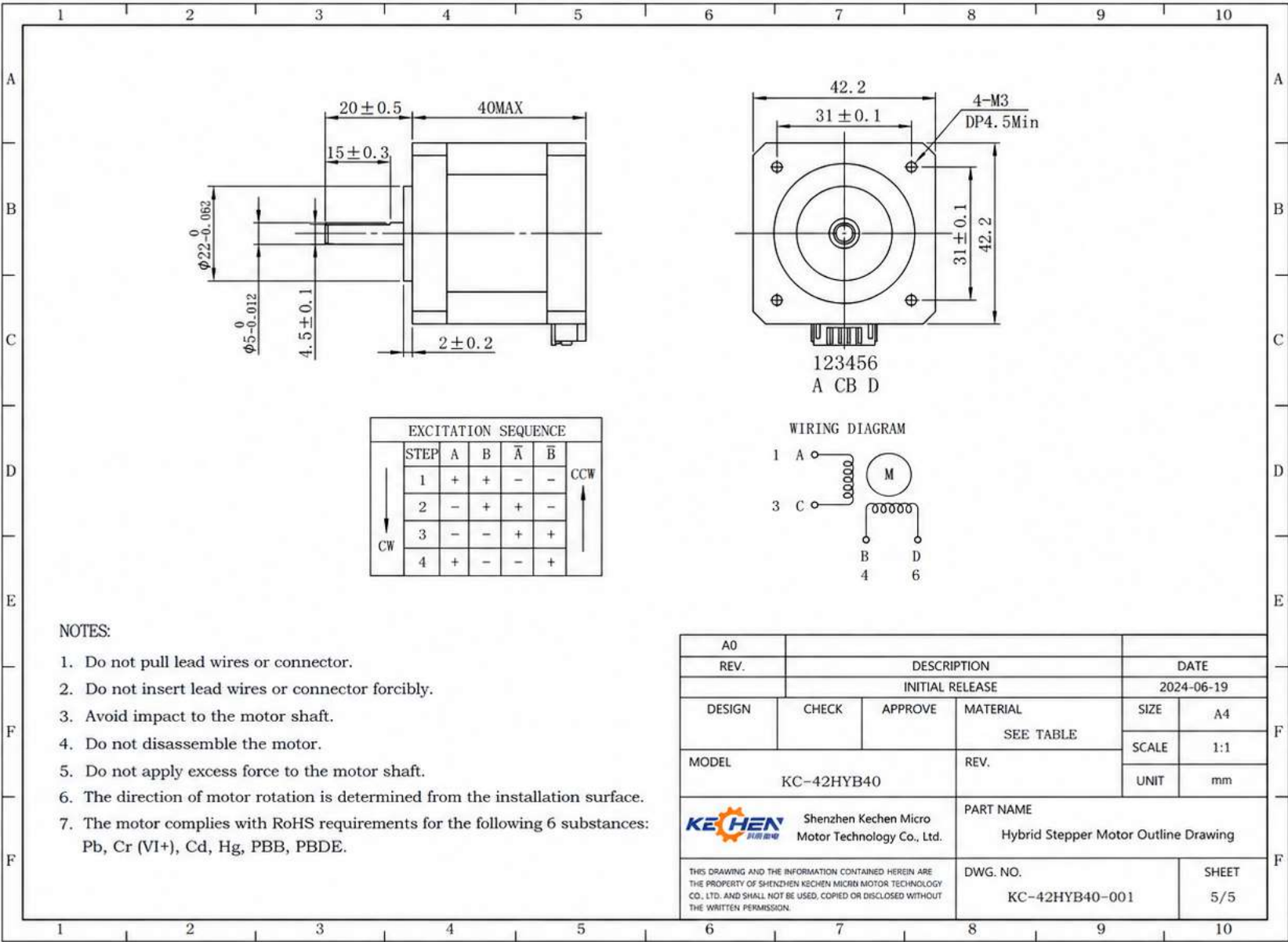
Shaft diameter	D	$\phi 5$
		$\phi 6.5$
		$\phi 8$
		Customizable to actual requirements
D-shaft width	d	Customizable to actual requirements
Output shaft length	L2	
D-shaft length	L3	

REVISION RECORD			
REV	CHANGE NO.	DESCRIPTION OF CHANGE	DATE

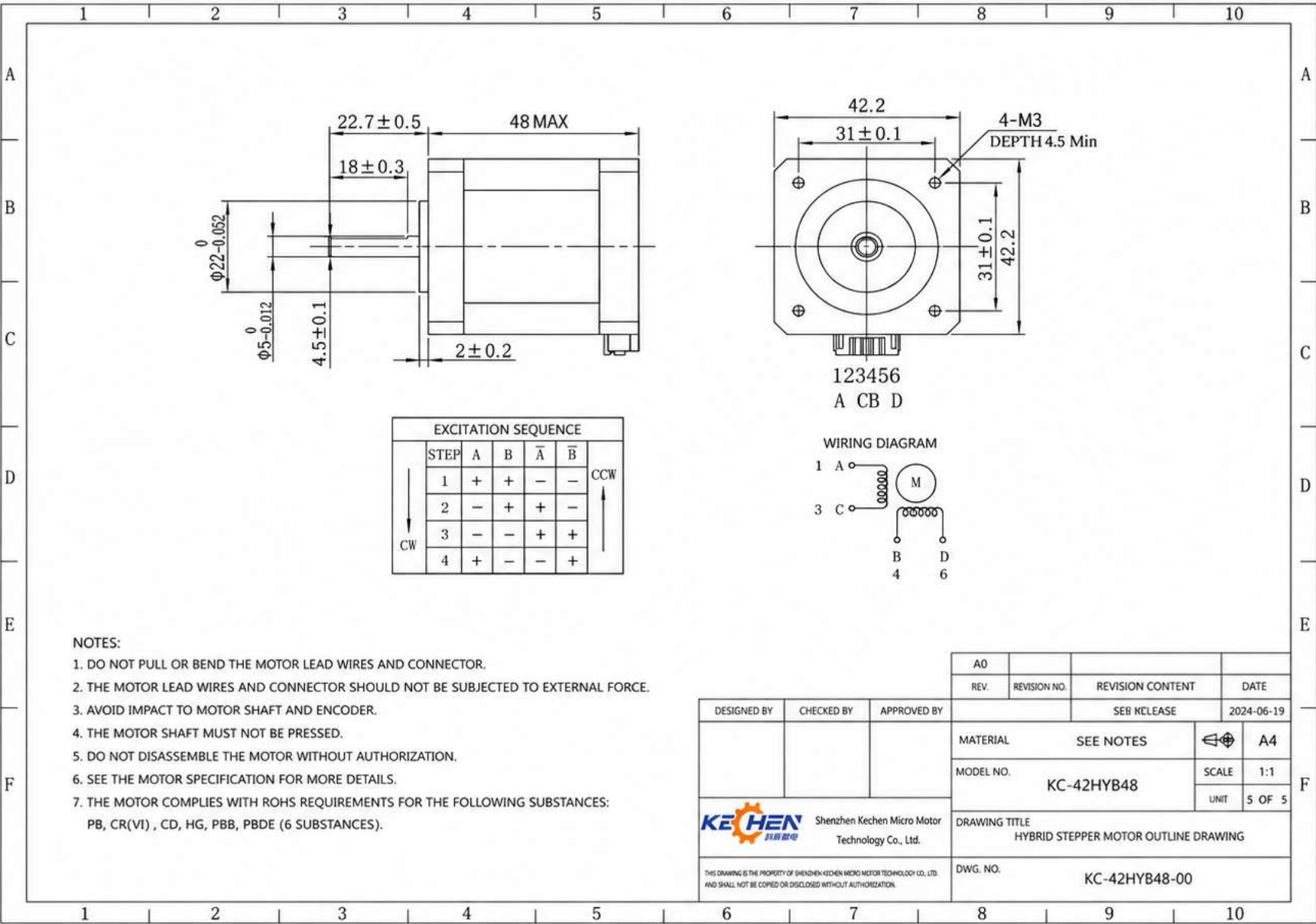
DESIGN	CHECKED	APPROVED	MATERIAL	A4
			MODEL	
			KC-42HYB Hybrid Stepper Motor	
				SCALE 1 : 1
				SHEET / TOTAL SHEETS

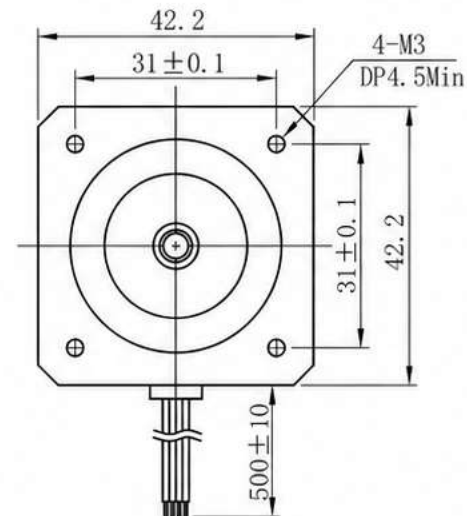
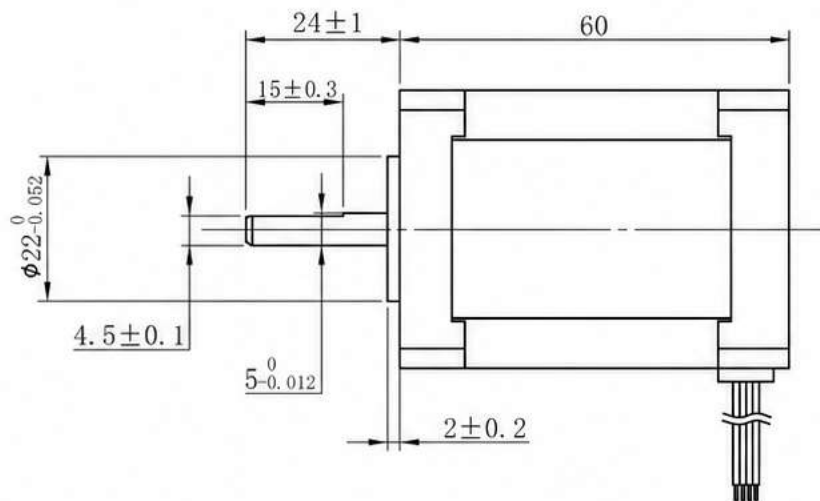
		Shenzhen Kechen Micro Motor Technology Co., Ltd.	
DRAWING TITLE		Hybrid Stepper Motor Outline Drawing	
Unless otherwise specified, dimensions are in millimeters. General tolerances: ± 0.2 . Do not scale drawing. If in doubt, contact us.		DRAWING NO.	

7-LEADS EXTERNAL ROTOR DRAWING



7. OUTLINE DRAWING / MOTOR DRAWING

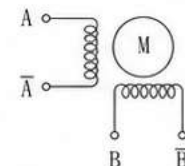




CONNECTION	BIPOLAR
SPECIFICATION	
VOLTAGE (VOC)	5.40
AMPS/PHASE	2.10
RESISTANCE (Ohms) @25°C	1.60±10%
INDUCTANCE/PHASAAE (mh) @1KHz	3.00±20%
HOLDING TORQUE (Nm) [lb-in]	0.65 [5.75]
STEP ANGLE (°)	1.80
STEP ACCURACY (NON-ACCUM)	±5.00%
TEMPERATURE RISE: MAX. 80°C (MOTOR STANDSTILL: FOR 2PHASE ENERGIZED)	
AMBIENT TEMPERATURE -10°C~50°C [14°F~122°F]	
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	
INSULATION CLASS B 130°C [266°F]	
DIELECTRIC STRENGTH 500VAC FOR 1MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	
AMBIENT HUMIDITY MAX, 85% (NO CONDENSATION)	
 Shenzhen Kechen Micro Motor Technology Co., Ltd.	

TYPE OF CONNEVTION (EXTERN)				
PIN NO	1	2	3	4
LEADS	BLACK	GREEN	RED	BLUE
BIPOLAR	A	$\bar{A}$	B	$\bar{B}$

WHEN FACING MOUNTING FCD(X)				
STEP	A	B	$\bar{A}$	$\bar{B}$
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+



DESIGN	CHECKED BY	APPROVED BY	REVISION RECORD		
			MATERIAL		A4
			MODEL	SCALE	1:1
			KC-42HYB60	SHEET 1	TOTAL SHEETS 1
Unless otherwise specified, dimensions are in millimeters, tolerances are as shown, and this document is subject to change without notice. Please do not scale the drawing.			DRAWING NAME		
			Hybrid stepper motor outline drawing		
			DRAWING NO.		

7. Motor Outline Drawing

