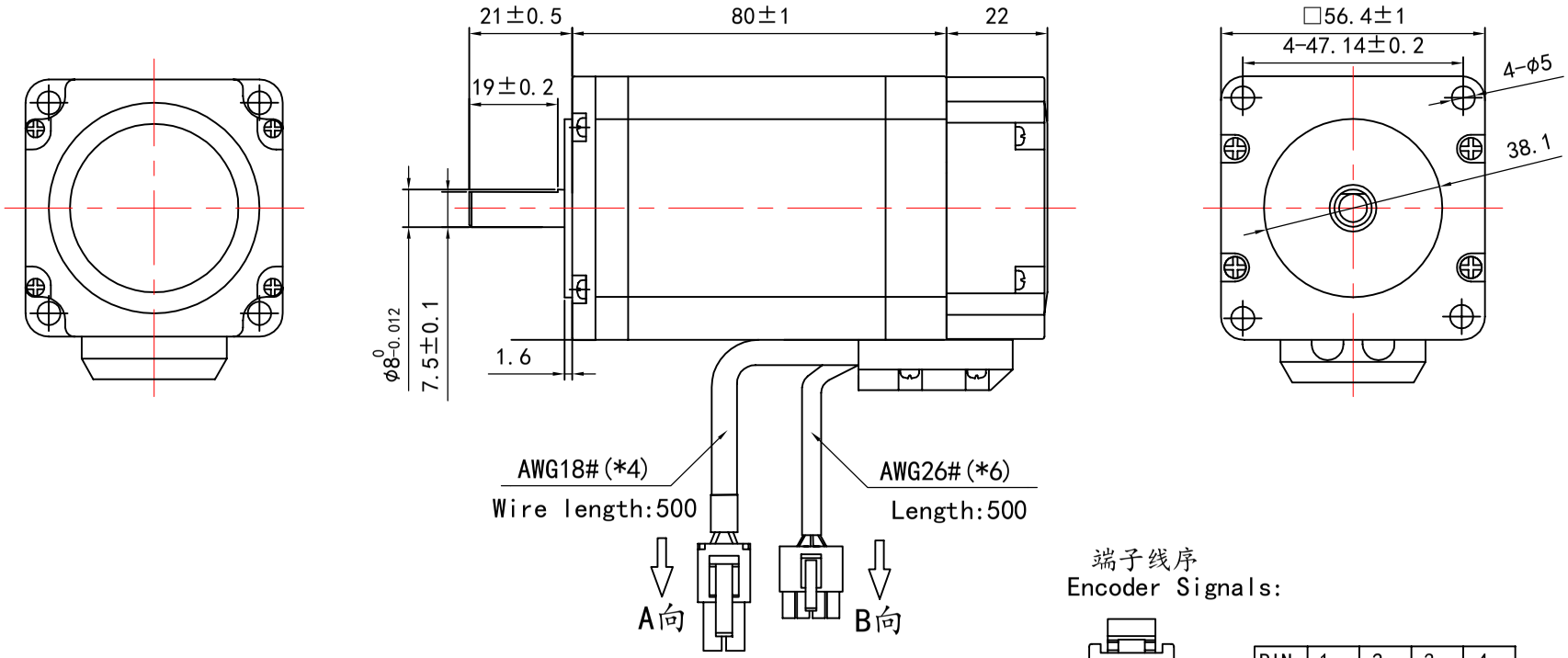
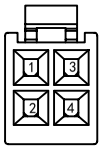
电机尺寸
DIMENSIONS:
(UNIT=MM)

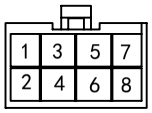


端子线序
Encoder Signals:



A向

PIN	1	2	3	4
颜色	黑	绿	红	蓝
定义	A+	A-	B+	B-



B向

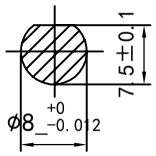
PIN	1	2	5	6	7	8
颜色	红白	红	蓝黑	蓝	黑白	黑
定义	GND	5V	B-	B+	A-	A+

电机参数/ELECTRICAL PARAMETER	
步距角 STEP ANGLE (°/STEP)	1.8
电机电压 RATED VOLTAGE (V)	2.31
电机电流 RATED CURRENT (A/PHASE)	4.2
电机电阻 RESISTANCE (Ω±15%/PHASE)	0.38
电机电感 INDUCTANCE (mH±20%/PHASE)	1.7
电机力矩 HOLDING TORQUE (N.M)	2.1
编码器分辨率 ENCODER RES	1000
电气强度 ELECTRIC STRENGTH	AC 500V/1min/5mA MAX
转子惯量 THE ROTOR INERTIA(g-cm^2)	520
绝缘等级 INSULATION GRADE	B
重量 WEIGHT(KG)	≈1.2

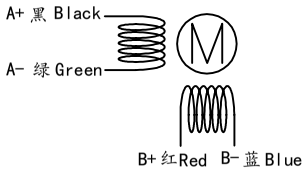
说明NOTES:

1. PLEASE DON'T HOLD MOTOR BY LEAD WIRES.
2. PLEASE DON'T PLUG IN/OUT THE MOTOR CONNECTOR WHILE POWER ON.
3. PLEASE DON'T DROP, HURL OR DUMP MOTOR AGAINST HARD MATERIAL MALFUNCTION MAY NOT BE OBSERVED AT EARLY STAGE AFTER SUCH SHOCKS, BUT FOUND LATER. THE MISHANDLING VOIDS OUR WARRANTY.
4. DONGGUAN ICAN-TECH WILL NOT BE RESPONSIBLE FOR ANY PATENT DISPUTE OR PROBLEM CAUSED BY ACTUAL APPLICATIONS

轴径配置/SHAFT DESIGH



电机接线图 Connection Mode



制图 DESIGNED	检图 CHECKED	校准 APPROVED	日期 DATE	比例 SCALE
JIAJIANG	CHENSHENG		2021/11/3	1:1

SM5703AA-1000A0-CC

东莞市一能机电技术有限公司
DONGGUAN ICAN TECHNOLOGY CO.,LTD

闭环步进电机
STEPPER SERVO MOTOR

第一视角	单位	版本 EDITION
	MM	V1.0