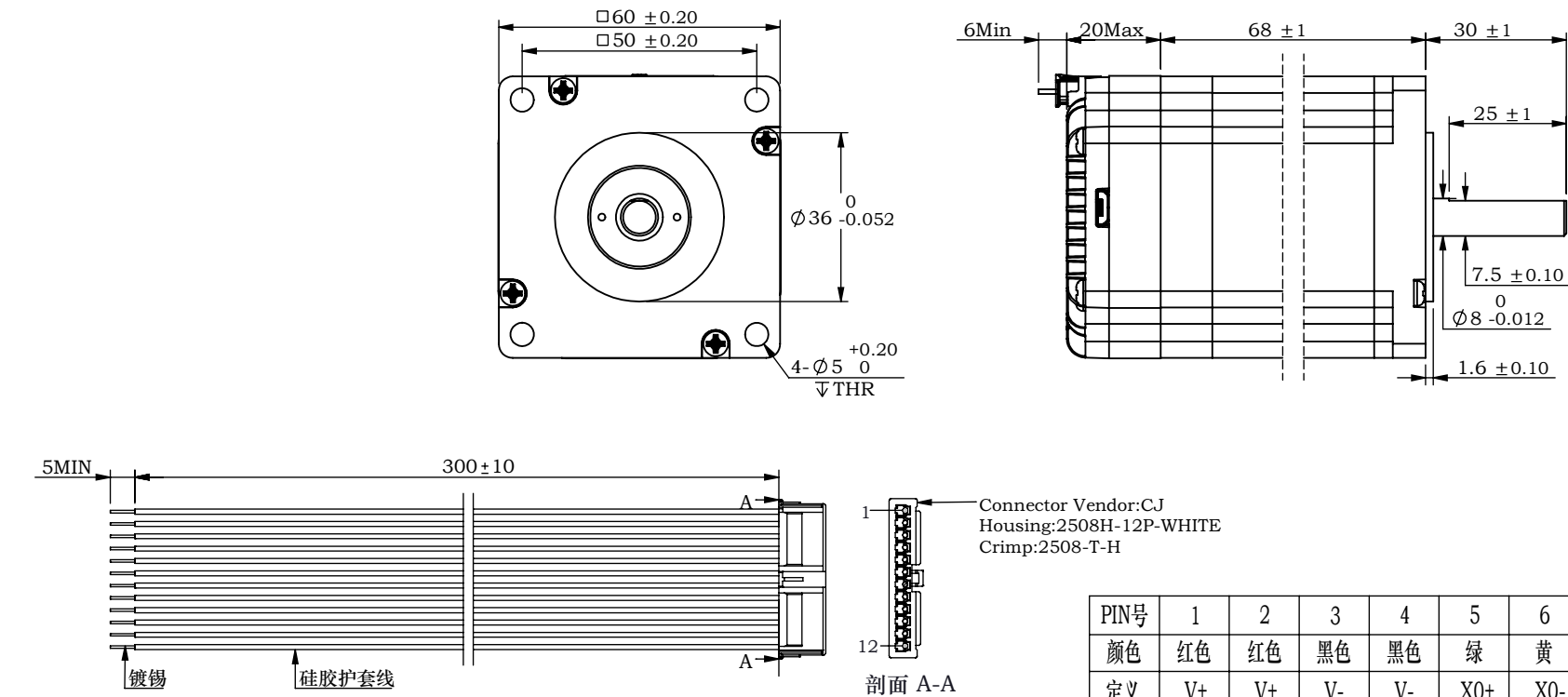


※ 尺寸/Dimensions 单位/Unit: (mm)



※ 规格/ Specification		※ 端口功能/Port Function	
输入电压范围	24~60vdc	序号	名称
输出力矩范围	最大2.2N.m	1	V+
电流设置	软件可调, 0.5~6.5可调, 出厂适配电机	2	V+
细分设置	软件200-1000000整数可调, 出厂4000	3	V-
编码器反馈	1000线(4000 Counts)编码器反馈	4	V-
非易失性存储	配置参数储存在MCU内部的FLASH中	5	X0+
重量	≈ 1.3 Kg	6	X0-
转子惯量	≈ 490 g.cm ²	7	X1+
通讯方式	Modbus-RS485	8	X1-
波特率	115200	9	485A
数据位	8	10	485B
停止位	1	11	Y0+
校验位	无	12	Y1-

※ 端子定义/Terminal definitions

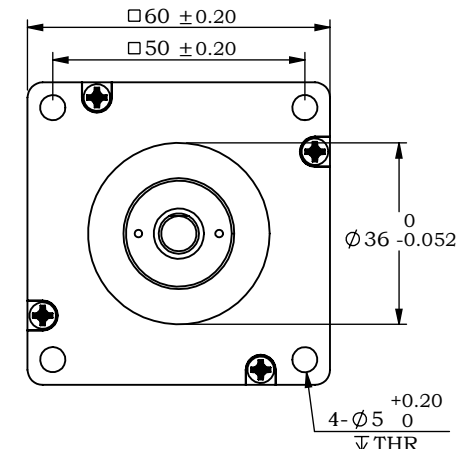
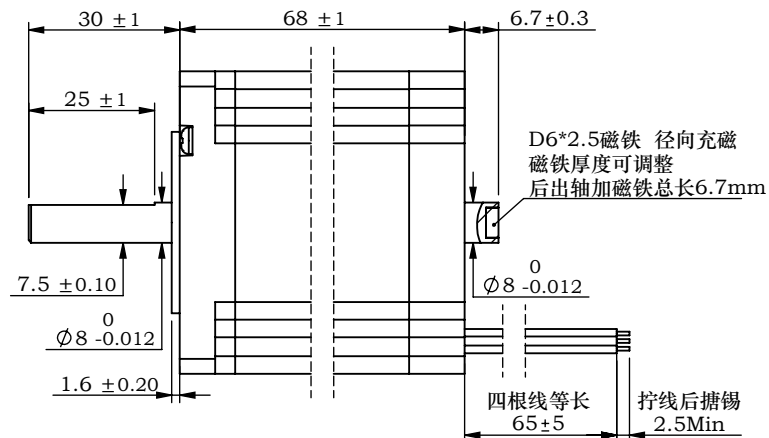
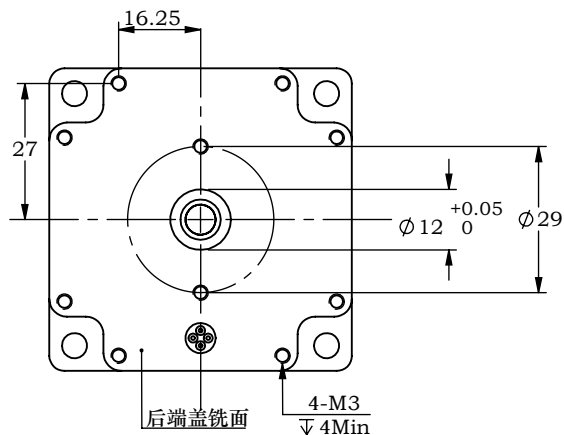
※ 铭牌内容/Label discription

Type:
IC60ET22-D4
1.8DEG 5.0A
24~60 VDC INPUT
www.leesn.com
Pro. Date:2021/12/06

※ 拨码设置/Serial port Settings																																
地址	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
SW1	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
SW2	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF
SW3	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF
SW4	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
SW5	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
备注: 需要其他地址可通过上位机设置基地址, 默认基地址为1。实际地址=拨码地址+基地址-1 SW6: 用于设定终端电阻, OFF时为0欧姆, ON时为120欧姆																																

第一角画法 Frist Angel View		型号/Model	IC60ET22-D4
		品号/Product No.	
公差 Tolerance	比例 Scale	页码 Sheet	名称/Name 集成式步进伺服 Integrated step servo
±0.3	1:1.5	1/1	

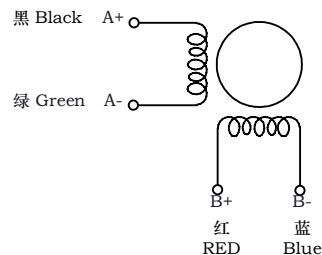
※ 尺寸/Dimensions 单位/Unit: (mm)



※ 电机规格/Motor Specification

相数/No. of phase	2 相/phase
步距角/Basic step angle	1.8°
步距角误差(空载)Positional accuracy(no-load)	± 0.09° 以下/Max
额定电流/Rated current	5.0 A
保持扭矩/Holding torque	2.2 N.m
相电阻/Phase resistance	0.33 ± 10% ohm(20℃)
相电感/Phase inductance	1.05 ± 20% mH(1KHz)
转子惯量/Rotor inertia	≈ 490 g.cm ²
重量/Weight	≈ 1.3 Kg
绝缘耐压/Dielectric strength	500V A.C
绝缘电阻/Insulation resistance	100MΩ以上/MIN
绝缘等级/Insulation class	B
使用温度范围/Operation ambient temperature	0° C~+50° C
使用湿度范围/Operation ambient humidity	20%RH~90%RH
保存温度范围/Storage ambient temperature	-20° C~+70° C
保存湿度范围/Storage ambient humidity	15%RH~95%RH

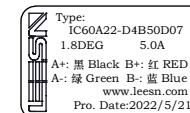
※ 接线图/Wiring diagram



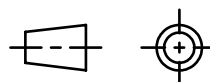
※ 励磁顺序 (2相励磁)
Phase sequence(2 phase exciting)

Step	A	A-	B	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

※ 铭牌内容
Label discription



第一角画法
First Angel View



名称/Name

两相步进电机
2 phase stepping motor

型号/Model

IC60A22-D4B50D07

品号/Product No.

B 后端盖增加两个螺纹孔, 后出轴调整尺寸

A 初版

版本.Rev 日期/Date 变更内容/Revision record

制图 Drawn Name Date 设计 Design Name Date

审核 Checked Name Date 批准 Approved Name Date



深圳市立三机电有限公司
Shenzhen Lisan Machinery & Electric Co., Ltd.