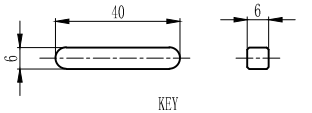
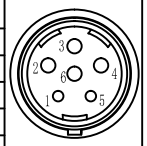


角号 Pin	定义 Function	颜色 COLOR
1	NC	NC
2	U	黄 YELLOW
3	V	红 RED
4	W	黑 BLACK
5	NC	NC
6	PE	黄绿 YELLOW/GREEN



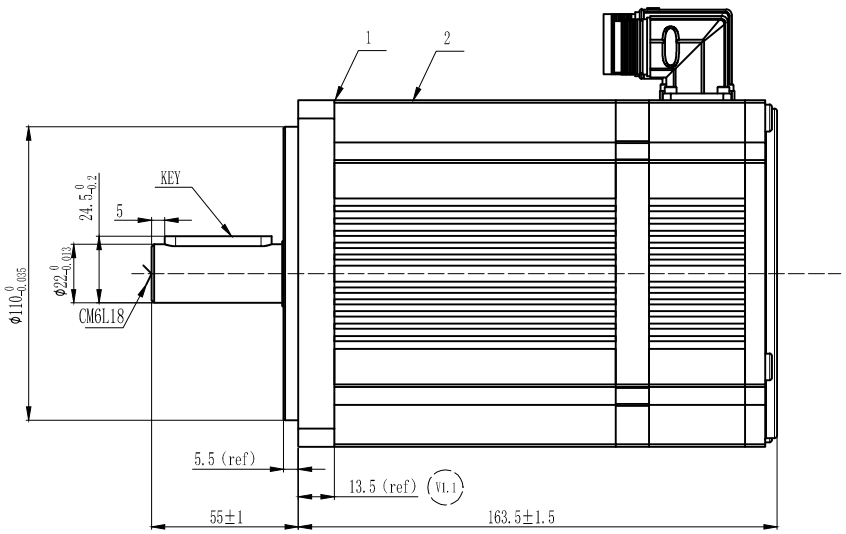
6 PIN
HF02106ZJ

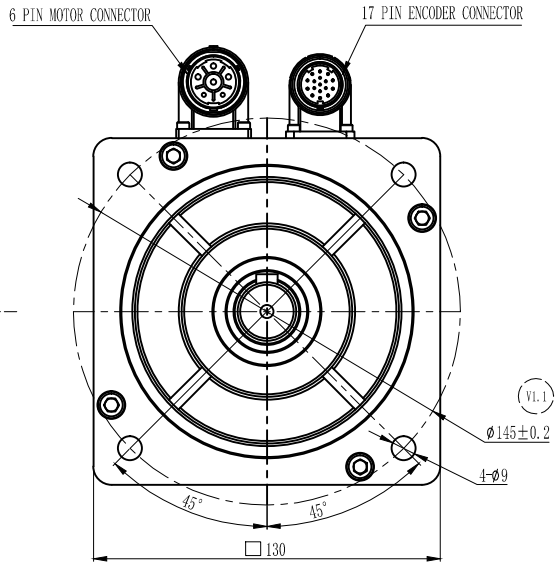
动力 Power

角号 Pin	定义 Function	颜色 COLOR	角号 Pin	定义 Function	颜色 COLOR
1	VCC +5V	红 RED	10	NC	NC
2	GND	黑 BLACK	11	NC	NC
3	NC	NC	12	NC	NC
4	NC	NC	13	SHIELDING	
5	NC	NC	14	NC	NC
6	NC	NC	15	NC	NC
7	NC	NC	16	SD+	蓝 BLUE
8	NC	NC	17	SD-	黄 YELLOW
9	NC	NC			

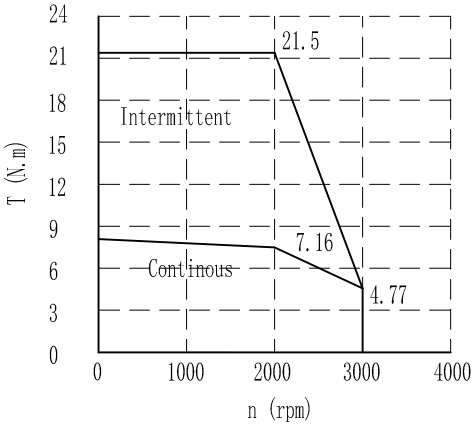
17 PIN
HF01817ZJ

反馈 Feedback

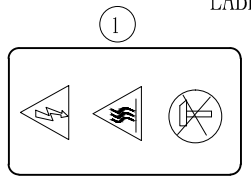


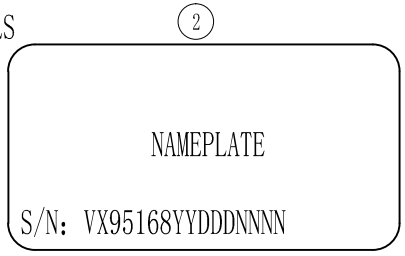


技术参数 Tecnical Data	
极数 No. of poles	10
母线电压 DC Link Voltage U_{DC}(V)	320
额定功率 Rated Power P_N(W)	1500
额定转矩 Rated Torque T_N(N.m)	7.16
额定转速 Rated Speed n_N(rpm)	2000
额定电流 Rated Current I_N(A)	7.7(ref.)
最大转矩 Maximum torque T_m(N.m)	21.5
最大电流 Maximum Current I_m(A)	25(ref.)
连续静态转矩 Standstill torque T_S(N.m)	7.9
连续静态电流 Standstill Current I_S(A)	8.5(ref.)
线电阻 Resistance line-line R_L(Ω)	0.63(ref.)
线电感 Inductance line-line L_L(mH)	6.9(ref.)
电气时间常数 Electrical time constant τ_e(ms)	10.95
机械时间常数 Mechanical time constant τ_m(ms)	1.42
反电势常数 Voltage constant K_e(V/krpm)	66.9(ref.)
转矩常数 Torque constant K_T(Nm/A)	1.1
转动惯量 Rotor moment of inertia Jm (Kg.cm^2)	15.95
最大径向力 Max. radial force Fr(N)	980
最大轴向力 Max. axial force Fa(N)	392
反馈装置 Feed back device	17bit Single-turn Absolute encoder (NRZ)
绝缘等级 Insulation class	F
防护等级 Protection level	IP65, shaft sealing IP54
重量 Weight (Kg)	8



LABELS





VER	DESCRIPTION OF CHANGE
V1.1	尺寸变更

V1.1	KA220323	LJ	SL	2022.08.16
VER	ECN NO.	CHANGE	APP'D	DATE

FINAL TOLERANCE REFERENCE
GB/T 1804-m Unit:mm
LINER
≤6 ±0.1 >6~30 ±0.2
>30~120 ±0.3 >120~400 0.5

MATERIAL

FIRST ANGLE PROJECTION

DESIGN	DATE
LJ	2022-06-10
CHECK	
LSJ	2022-06-10
APPROVE	
SL	2022-06-10

SHEET 1 OF 1

P/NO.	9.5168
TITLE	Outside Drawing
USED ON	SMC130D-0150-20MAK-5LSP
SCALE: 1:2.5	VER: V1.1

KINCO

A