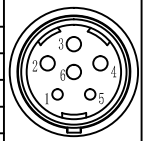
静态扭矩Static Friction	15Nm
电压 Voltage	24VDC
功率 Power	29W

刹车参数 Brake Data

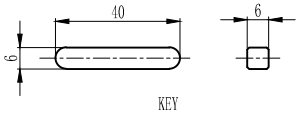
角号 Pin	定义 Function	颜色 COLOR
1	BRAKE(+)	红 RED
2	U	黄 YELLOW
3	V	红 RED
4	W	黑 BLACK
5	BRAKE(-)	黑 BLACK
6	PE	黄绿 YELLOW/GREEN



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			

反馈 Feedback



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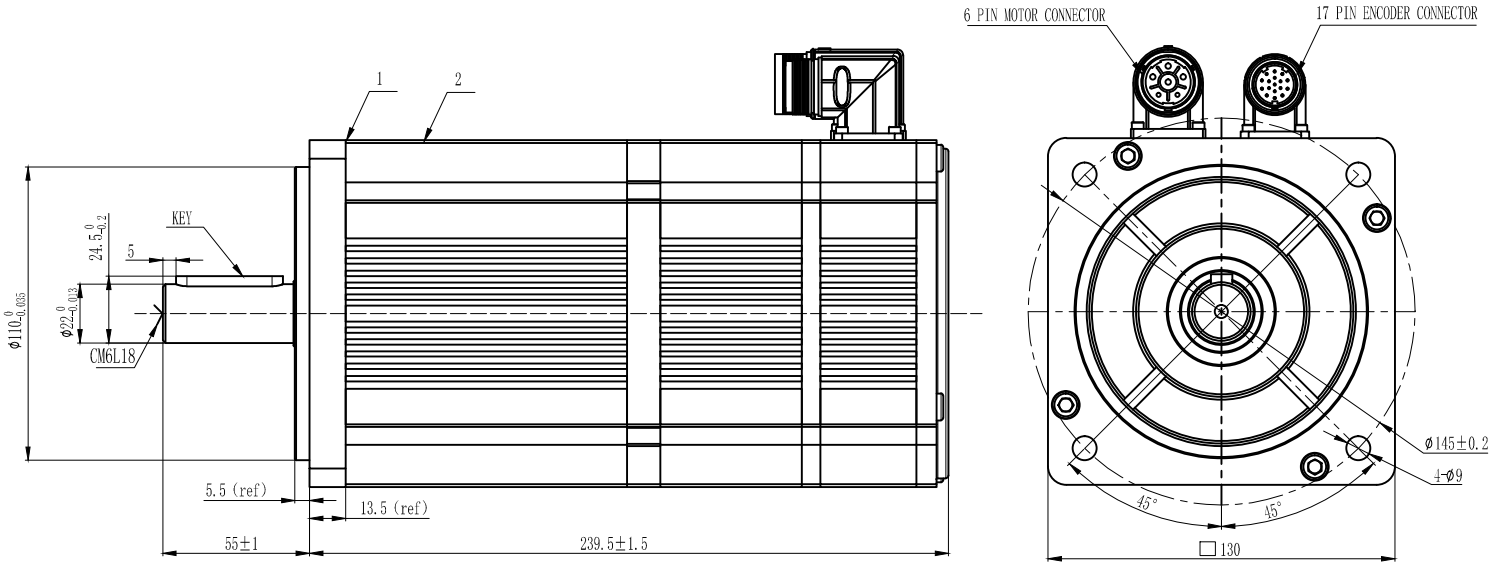
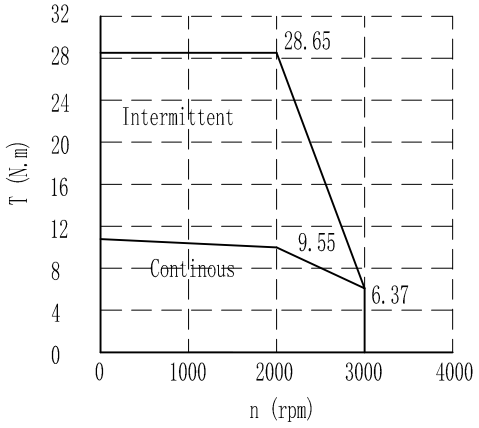
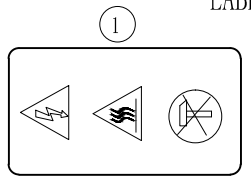
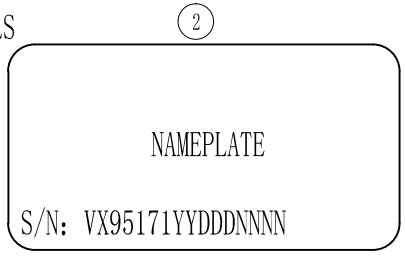


技术参数 Tecnical Data	
极数 No. of poles	10
母线电压 DC Link Voltage U_{DC}(V)	320
额定功率 Rated Power P_N(W)	2000
额定转矩 Rated Torque T_N(N.m)	9.55
额定转速 Rated Speed n_N(rpm)	2000
额定电流 Rated Current I_N(A)	9.5(ref.)
最大转矩 Maximum torque T_m(N.m)	28.65
最大电流 Maximum Current I_m(A)	30(ref.)
连续静态转矩 Standstill torque T_S(N.m)	10.51
连续静态电流 Standstill Current I_S(A)	10.5(ref.)
线电阻 Resistance line-line R_L(Ω)	0.48(ref.)
线电感 Inductance line-line L_L(mH)	5.8(ref.)
电气时间常数 Electrical time constant τ_e(ms)	12.08
机械时间常数 Mechanical time constant τ_m(ms)	1.3
反电势常数 Voltage constant K_e(V/krpm)	70.35(ref.)
转矩常数 Torque constant K_T(Nm/A)	1.16
转动惯量 Rotor moment of inertia Jm ($Kg.cm^2$)	21.25
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)	12



LABELS





VER	DESCRIPTION OF CHANGE

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	LJ	2022-08-16
CHECK	LSJ	2022-08-16
APPROVE	SL	2022-08-16

SHEET 1 OF 1

P/NO.	9.5171
TITLE	Outside Drawing
USED ON	SMC130D-0200-20MBK-5LSP
SCALE: 1:2.5	VER: V1.0

KINCO

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