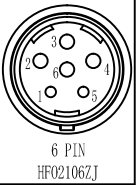


角号 Pin	定义 Function	颜色 COLOR
1	NC	NC
2	U	黄 YELLOW
3	V	红 RED
4	W	黑 BLACK
5	NC	NC
6	PE	黄绿 YELLOW/GREEN

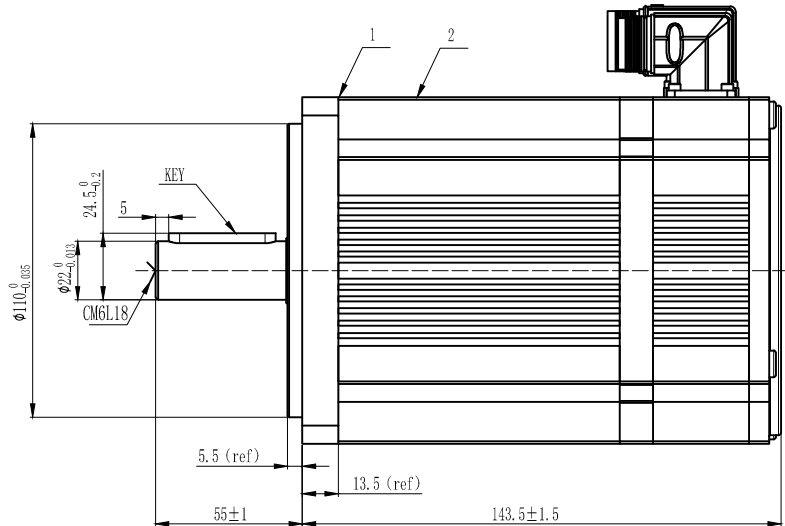


动力 Power

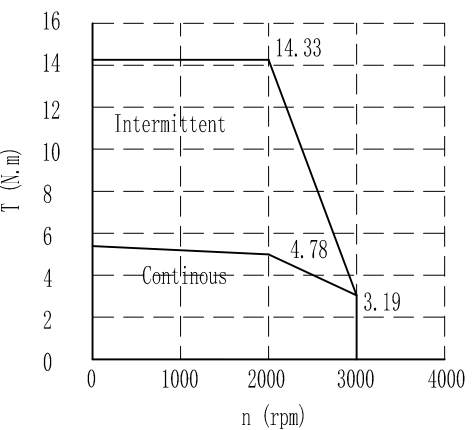
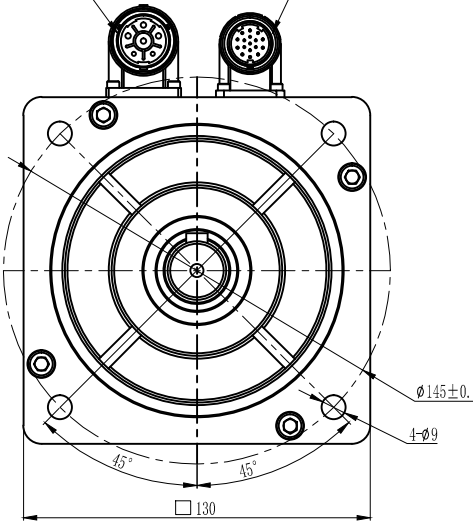
角号 Pin	定义 Function	颜色 COLOR	角号 Pin	定义 Function	颜色 COLOR
1	VCC +5V	红 RED	10	NC	NC
2	GND	黑 BLACK	11	NC	NC
3	VB+	棕 BROWN	12	NC	NC
4	VB-	白 WHITE	13	SHIELDING	
5	NC	NC	14	NC	NC
6	NC	NC	15	NC	NC
7	NC	NC	16	SD+	蓝 BLUE
8	NC	NC	17	SD-	黄 YELLOW
9	NC	NC			



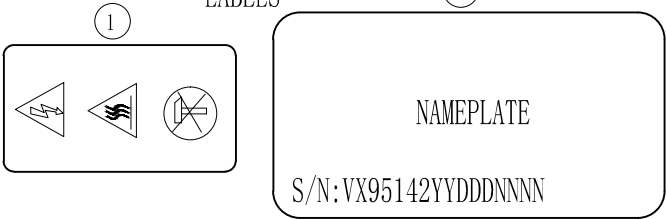
反馈 Feedback



6 PIN MOTOR CONNECTOR 17 PIN ENCODER CONNECTOR



LABELS



技术参数 Technical 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)	1000
额定转矩 Rated Torque T_N (N.m)	4.78
额定转速 Rated Speed n_n (rpm)	2000
额定电流 Rated Current I_N (A)	4.5(ref.)
最大转矩 Maximum torque T_m (N.m)	14.34
最大电流 Maximum Current I_m (A)	14.5(ref.)
连续静态转矩 Standstill torque T_s (N.m)	5.27
连续静态电流 Standstill Current I_s (A)	5(ref.)
线电阻 Resistance line-line R_c (Ω)	1.54(ref.)
线电感 Inductance line-line L_c (mH)	13.8(ref.)
电气时间常数 Electrical time constant τ_e (ms)	8.96
机械时间常数 Mechanical time constant τ_m (ms)	1.9
反电势常数 Voltage constant K_e (V/krpm)	73.4(ref.)
转矩常数 Torque constant K_t (Nm/A)	1.21
转动惯量 Rotor moment of inertia J_m (kg.cm ²)	10.6
最大径向力 Max. radial force F_r (N)	980
最大轴向力 Max. axial force F_a (N)	392
反馈装置 Feed back device	16/23bit Multi-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)	6

VER	DESCRIPTION OF CHANGE	VER	ECN NO.	CHANGE	APP'D	DATE	DESIGN	DATE	P/NO.	9.5142
							LJ	2022-08-19	TITLE	Outside Drawing
							CHECK		USED ON	SMC1300-0100-20VAK-5LSP
							LSJ	2022-08-19	SCALE: 1:2.5	VER: V1.0
							APPROVE			
							SL	2022-08-19		
							FIRST ANGLE PROJECTION			
								SHEET 1 OF 1		

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



KINCO