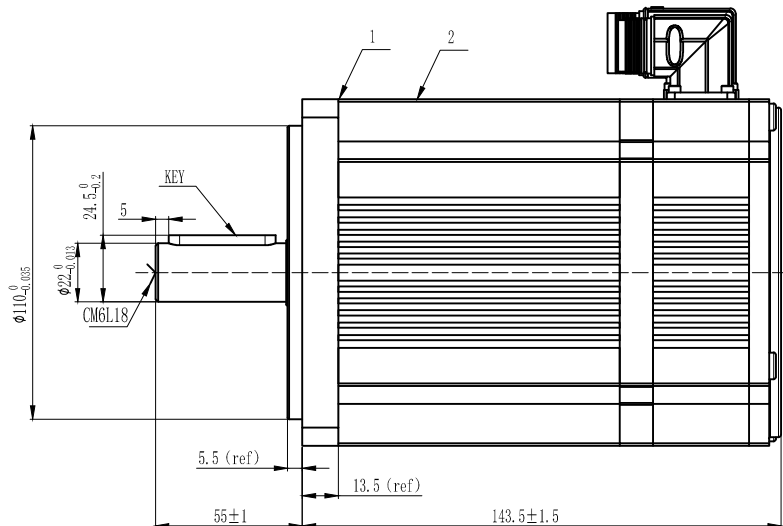


角号 Pin	定义 Function	颜色 COLOR
1	NC	NC
2	U	黄 YELLOW
3	V	红 RED
4	W	黑 BLACK
5	NC	NC
6	PE	黄绿 YELLOW/GREEN

动力 Power

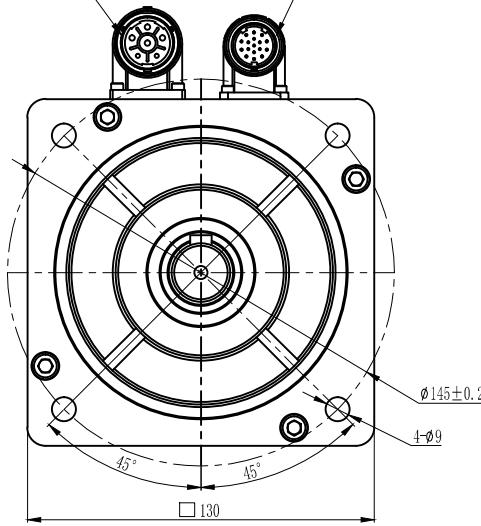
角号 Pin	定义 Function	颜色 COLOR	角号 Pin	定义 Function	颜色 COLOR
1	VCC +5V	红 RED	10	NC	NC
2	GND	黑 BLACK	11	NC	NC
3	NC	NC	12	NC	NC
4	NC	NC	13	SHIELDING	
5	NC	NC	14	NC	NC
6	NC	NC	15	NC	NC
7	NC	NC	16	SD+	蓝 BLUE
8	NC	NC	17	SD-	黄 YELLOW
9	NC	NC			

反馈 Feedback

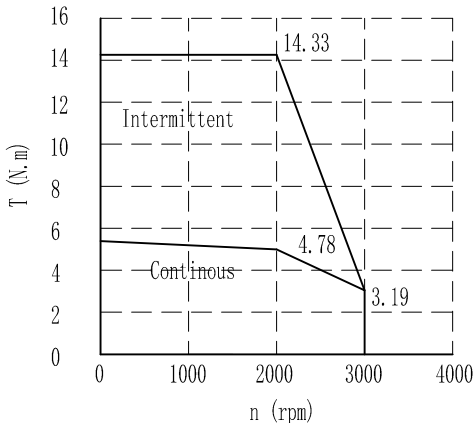
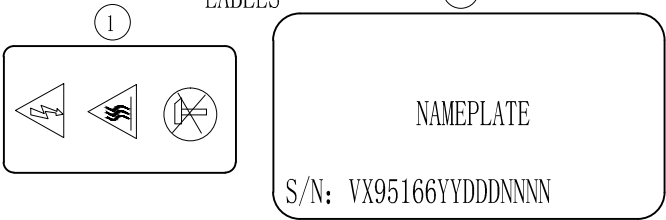


6 PIN MOTOR CONNECTOR

17 PIN ENCODER CONNECTOR



LABELS



VER	DESCRIPTION OF CHANGE	V1.1	KA220323	LJ	SL	2022.08.16	DESIGN	DATE	P/NO.	9.5166
V1.1	电参数变更	VER	ECN NO.	CHANGE	APP'D	DATE	LJ	2022-06-10	TITLE	Outside Drawing
							CHECK		USED ON	SMC1300-0100-20MAK-5LSP
							LSJ	2022-06-10	SCALE: 1:2.5	VER: V1.1
							APPROVE			
							SL	2022-06-10		
							FIRST ANGLE PROJECTION			
								SHEET 1 OF 1		

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.) (V1.1)
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 $R_c$ ( $\Omega$ )	1.54(ref.) (V1.1)
线电感 Inductance line-line $L_c$ (mH)	13.8(ref.)
电气时间常数 Electrical time constant $\tau_e$ (ms)	8.96
机械时间常数 Mechanical time constant $\tau_m$ (ms)	1.9
反电势常数 Voltage constant $K_e$ (V/krpm)	73.4(ref.) (V1.1)
转矩常数 Torque constant $K_t$ (Nm/A)	1.21
转动惯量 Rotor moment of inertia $J_m$ (Kg.cm <sup>2</sup> )	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	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)	6