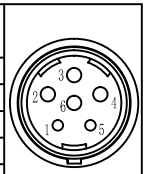
静态扭矩Static Friction	15Nm
电压 Voltage	24VDC
功率 Power	29W

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



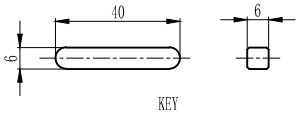
6 PIN
HF02106ZJ

动力 Power

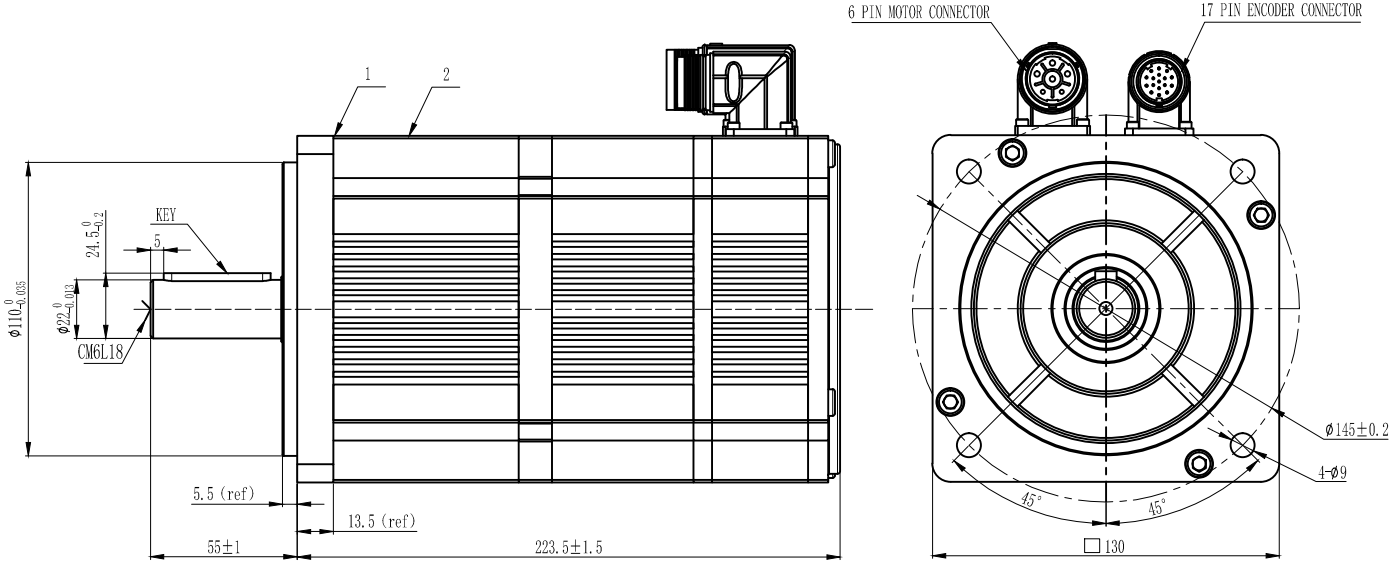
角号 Pin	定义 Function	颜色 COLOR	角号 Pin	定义 Function	颜色 COLOR
1	VCC +5V	红 RED	10	NC	NC
2	GND	黑 BLACK	11	NC	NC
3	NC	NC	12	NC	NC
4	NC	NC	13	SHIELDING	
5	NC	NC	14	NC	NC
6	NC	NC	15	NC	NC
7	NC	NC	16	SD+	蓝 BLUE
8	NC	NC	17	SD-	黄 YELLOW
9	NC	NC			

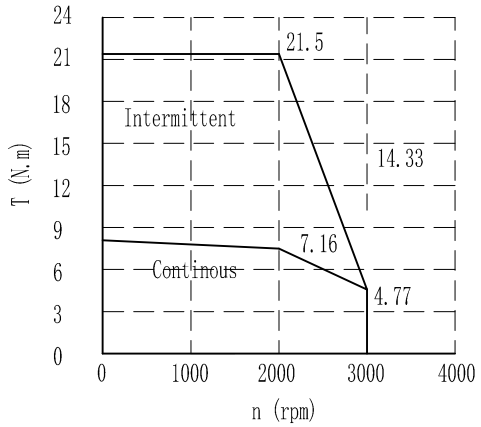
17 PIN
HF01817ZJ

反馈 Feedback

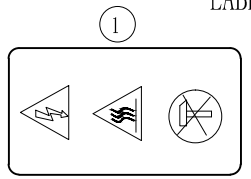


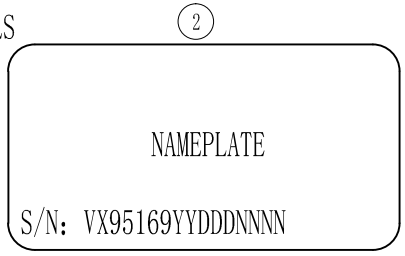
KEY





LABELS





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)	1.48
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 ($Kg.cm^2$)	16.95
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)	10.5

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.	9.5169
TITLE	Outside Drawing
USED ON	SMC130D-0150-20MBK-5LSP
SCALE: 1:2.5	VER: V1.0

KINCO

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