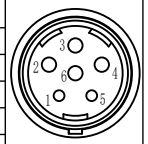
静态扭矩Static Friction	15Nm
电压 Voltage	24VDC
功率 Power	29W

刹车参数 Brake Data

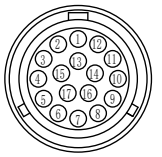
角号 Pin	定义 Function	颜色 COLOR
1	BRAKE(+)	红 RED
2	U	黄 YELLOW
3	V	红 RED
4	W	黑 BLACK
5	BRAKE(-)	黑 BLACK
6	PE	黄绿 YELLOW/GREEN



6 PIN
HF02106ZJ

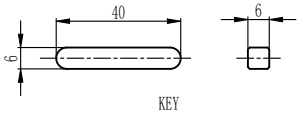
动力 Power

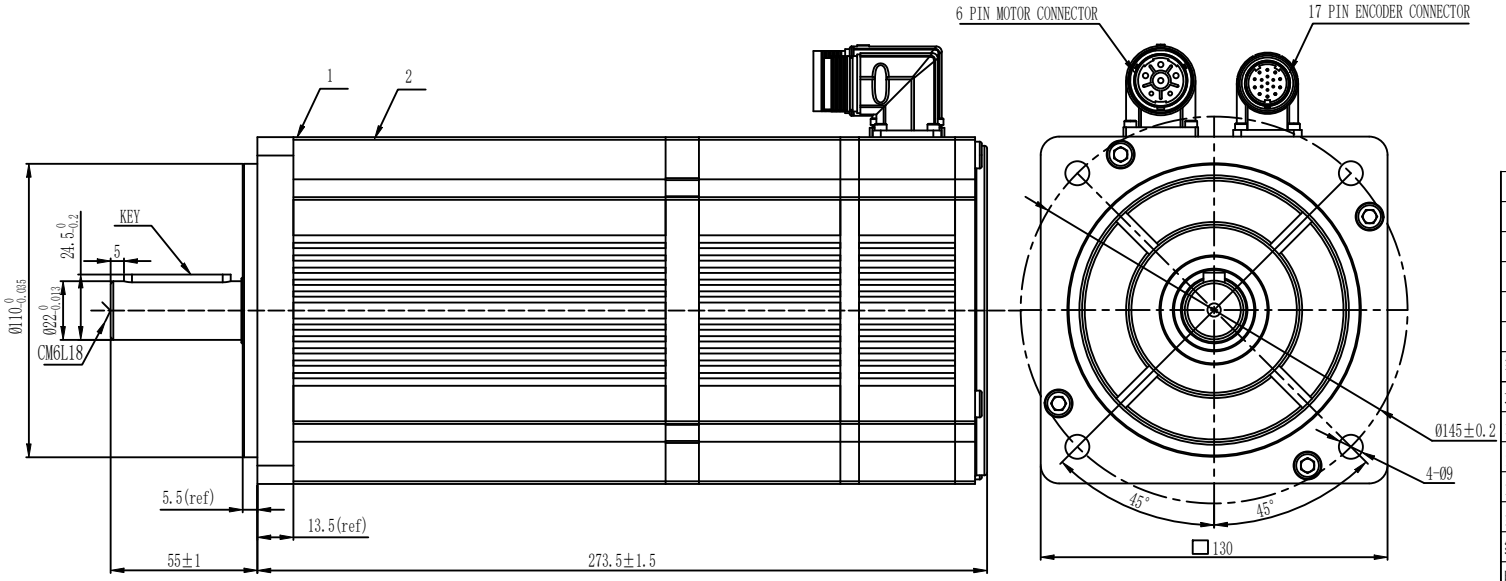
角号 Pin	定义 Function	颜色 COLOR	角号 Pin	定义 Function	颜色 COLOR
1	VCC +5V	红 RED	10	NC	NC
2	GND	黑 BLACK	11	NC	NC
3	VB+	棕 BROWN	12	NC	NC
4	VB-	白 WHITE	13	SHIELDING	
5	NC	NC	14	NC	NC
6	NC	NC	15	NC	NC
7	NC	NC	16	SD+	蓝 BLUE
8	NC	NC	17	SD-	黄 YELLOW
9	NC	NC			

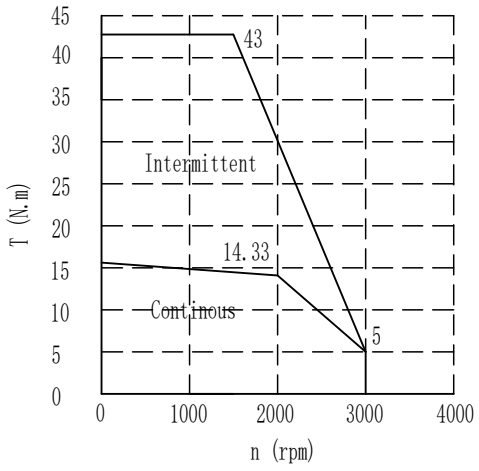


17 PIN
HF01817ZJ

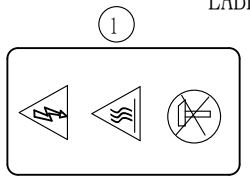
反馈 Feedback

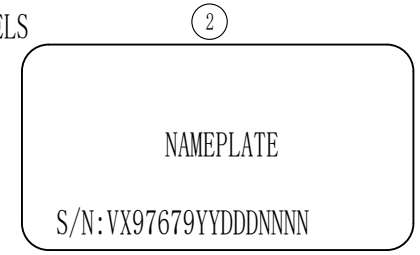






LABELS





技术参数 Tecnical Data	
极数 No. of poles	10
母线电压 DC Link Voltage U_{DC}(V)	560
额定功率 Rated Power P_N (W)	3000
额定转矩 Rated Torque T_N (N.m)	14.33
额定转速 Rated Speed n_N (rpm)	2000
额定电流 Rated Current I_N (A)	7(ref.)
最大转矩 Maximum torque T_m (N.m)	43
最大电流 Maximum Current I_m (A)	22.7(ref.)
连续静态转矩 Standstill torque T_S (N.m)	15.8
连续静态电流 Standstill Current I_S (A)	7.7(ref.)
线电阻 Resistance line-line R_L (Ω)	1.34(ref.)
线电感 Inductance line-line L_L (mH)	18.45(ref.)
电气时间常数 Electrical time constant τ_e (ms)	13.75
机械时间常数 Mechanical time constant τ_m (ms)	1.08
反电势常数 Voltage constant K_e (V/krpm)	154.8(ref.)
转矩常数 Torque constant K_t (Nm/A)	2.56
转动惯量 Rotor moment of inertia Jm ($Kg.cm^2$)	31
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	16/17bit 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)	14.5

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

		DATE
DESIGN	LJ	2022-08-16
CHECK	LSJ	2022-08-16
APPROVE	SL	2022-08-16
SHEET 1 OF 1		

P/NO.	9.7679
TITLE	Outside Drawing
USED ON	SMC130D-0300-20QBK-5HSP
SCALE: 1:2.5	VER: V1.0

KINCO

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