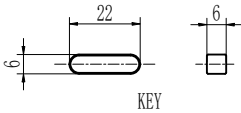
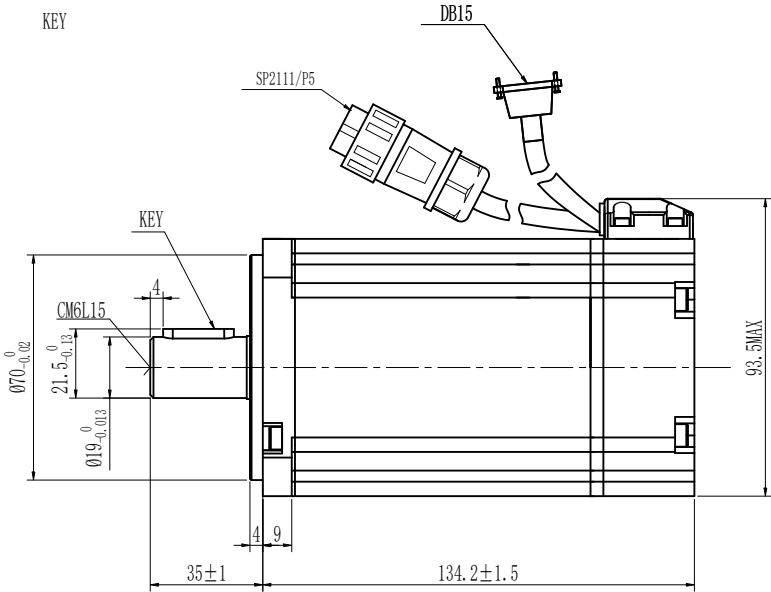


角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE
1	U相 MOTOR U	黄 YELLOW	12AWG
2	V相 MOTOR V	红 RED	
3	W相 MOTOR W	黑 BLACK	
4	PE相 MOTOR PE≡	黄绿 YELLOW/GREEN	14AWG
5	NC	NC	

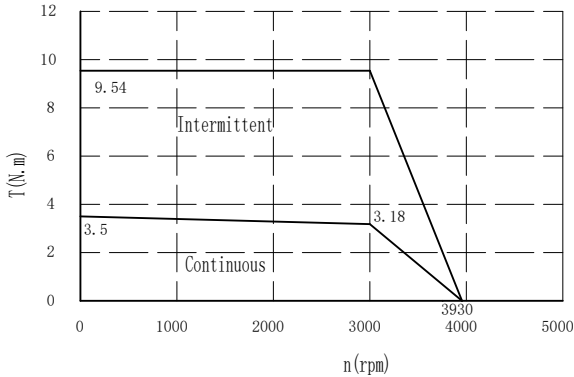
动力线 Power Wire



KEY



Performance Curve

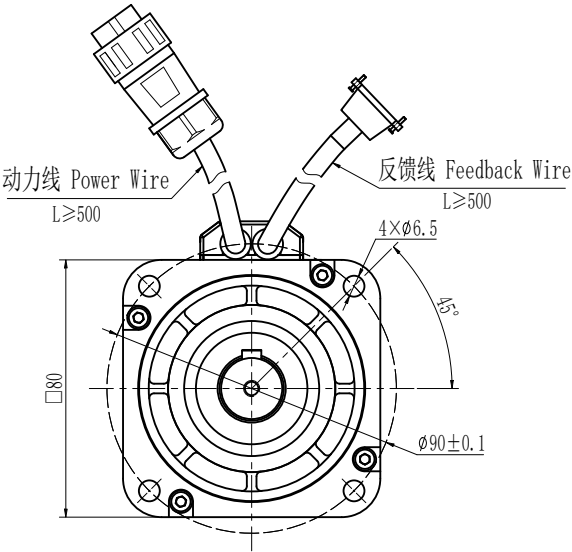


角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE	角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE
1	DC +5V	红 RED	28AWG	9	W	灰黑 GRAY/BLACK	28AWG
2	GND	黑 BLACK		10	V	白黑 WHITE/BLACK	
3	NC	NC		11	/Z	黄黑 YELLOW/BLACK	
4	U	棕黑 BROWN/BLACK		12	/B	绿黑 GREEN/BLACK	
5	/U	棕 BROWN		13	/A	蓝 BLUE	
6	Z	黄 YELLOW		14	/W	灰 GRAY	
7	B	绿 GREEN		15	/V	白 WHITE	
8	A	蓝黑 BLUE/BLACK					

5 10 15
○ ○ ○
○ ○ ○
○ ○ ○
1 6 11


DB 15M

反馈线 Feedback Wire



技术参数 Technical Data

极数 No. of poles	10
直流母线电压 DC Link Voltage U_{dc} (V)	48
额定功率 Rated Power P_N (W)	1000
额定转矩 Rated Torque T_N (N.m)	3.18
额定转速 Rated Speed n (rpm)	3000
额定电流 Rated Current I_N (A)	26.4
最大电流 Maximum Current I_M (A)	83
最大转矩 Maximum torque T_M (N.m)	9.57
连续静态转矩 Standstill torque T_s (N.m)	3.5
线电阻 Resistance line-line R_L (Ω)	0.047
线电感 Inductance line-line L_L (mH)	0.2
电气时间常数 Electrical time constant τ_e (ms)	4.25
机械时间常数 Mechanical time constant τ_m (ms)	4.09
反电势常数 Voltage constant K_e (V/krpm)	8
转矩常数 Torque constant K_t (Nm/A)	0.13232
转动惯量 Rotor moment of inertia J_m (Kg.cm ²)	1.36
最大径向力 Max. radial force F_r (N)	335
最大轴向力 Max. axial force F_a (N)	167.5
反馈装置 Feed back device	Tamagawa Incremental 2500ppr
绝缘等级 Insulation class	F
防护等级 Protection level	IP65
重量 Weight (Kg)	2.8

VER	DESCRIPTION OF CHANGE	V1.1	KA210107	YL	SL	2021.03.22	DESIGN	DATE	P/NO.	9.5890SS	
V1.1	更改电流参数;	VER	ECN NO.	CHANGE	APP'D	DATE	YJL	20-6-17	TITLE		Outside Drawing
		FINAL TOLERANCE REFERENCE GB/T 1804-m Unit:mm LINER			MATERIAL		CHECK	20-6-17	USED ON	SMC80S-0100-30AAK-5DSH	
							LS				
							APPROVE	20-6-17	SCALE:	VER: V1.1	
							SL				
		≤6	±0.1	>6~30	±0.2	FIRST ANGLE PROJECTION 		SHEET 1 OF 1		Kinco	
		>30~120	±0.3	>120~400	±0.5						