

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

动力线 Power Wire

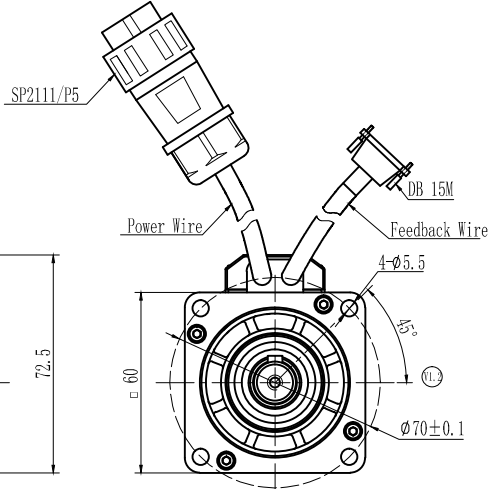
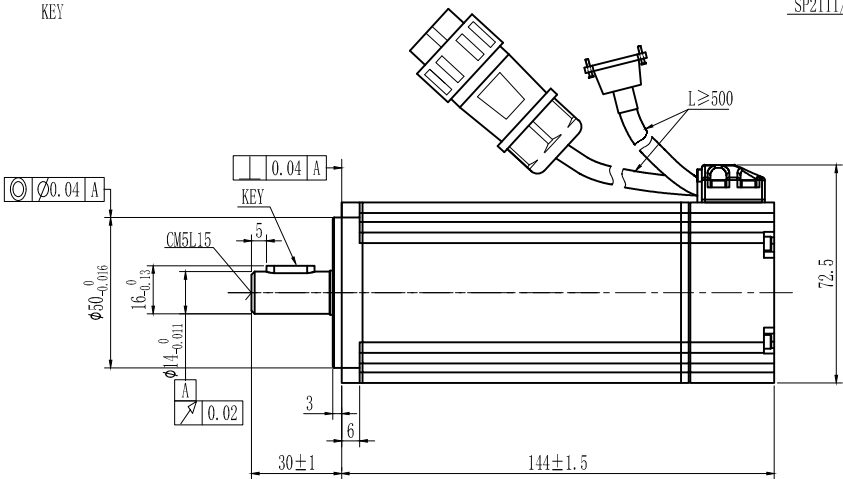
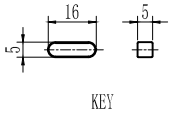
角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE	角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIRE GAGE
1	DC +5V	红 RED	28AWG	9	W	灰黑 GRAY/BLACK	28AWG
2	GND	黑 BLACK		10	V	白黑 WHITE/BLACK	
3	NC	NC		11	/Z	黄黑 YELLOW/BLACK	
4	U	棕黑 BROWN/BLACK		12	/B	绿黑 GREEN/BLACK	
5	/U	棕 BROWN		13	/A	蓝 BLUE	
6	Z	黄 YELLOW		14	/W	灰 GRAY	
7	B	绿 GREEN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

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10011

SHIELD

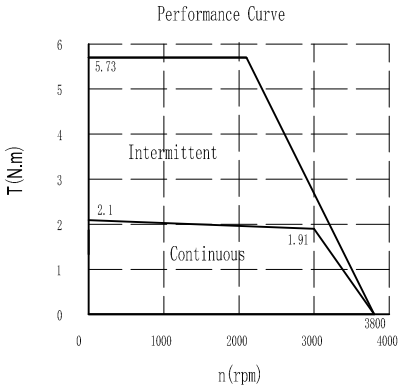
DB 15M

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_s (W)	600
额定转矩 Rated Torque T_s (N.m)	1.91
额定转速 Rated Speed n (rpm)	3000
额定电流 Rated Current I_s (A)	16.5
最大转矩 Maximum torque T_o (N.m)	5.73
最大电流 Maximum Current I_o (A)	52.8 (L)
连续静态转矩 Standstill torque T_s (N.m)	2.1
连续静态电流 Standstill Current I_s (A)	18.2
线电阻 Resistance line-line R (Ω)	0.125 (L)
线电感 Inductance line-line L (mH)	0.26 (L)
电气时间常数 Electrical time constant τ_e (ms)	2.08 (L)
机械时间常数 Mechanical time constant τ_m (ms)	0.91 (L)
反电势常数 Voltage constant K_e (V/krpm)	7.5
转矩常数 Torque constant K_t (Nm/A)	0.124
转动惯量 Rotor moment of inertia J_m (Kg.cm ²)	0.65 (L)
最大径向力 Max. radial force F_r (N)	180
最大轴向力 Max. axial force F_a (N)	90
反馈装置 Feed back device	TS6214N341
绝缘等级 Insulation class	F
防护等级 Protection level	IP54 (L)
重量 Weight (Kg)	1.9 (L)



受控

VER	DESCRIPTION OF CHANGE	①	KA210200	WYD	SL	21-6-19	DESIGN	DATE	P/NO.	9.5941SS
		VER	ECN NO.	CHANGE	APP'D	DATE	WYD	20-8-19	TITLE	Outside Drawing
		FINAL TOLERANCE REFERENCE GB/T 1804-m Unit:mm LINER			MATERIAL		CHECK	20-8-19	USED ON	SMC60S-0060-30AAK-5DSH
							LS		SCALE:	VER: V1.2
							APPROVE			
							≤6 ±0.1 >6~30 ±0.2 >30~120 ±0.3 >120~400 ±0.5	FIRST ANGLE PROJECTION		