

PIN	FUNCTION	COLOR
1	BRAKE (+)	RED
2	BRAKE (-)	BLUE

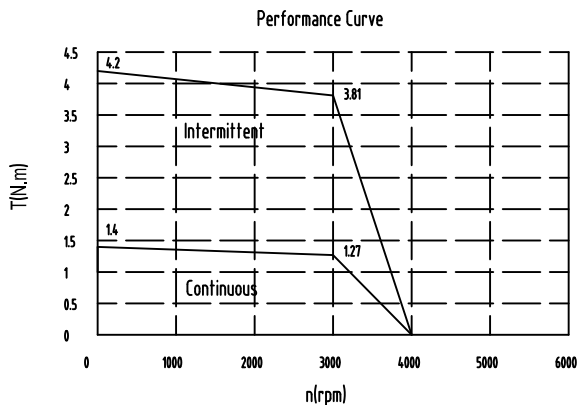
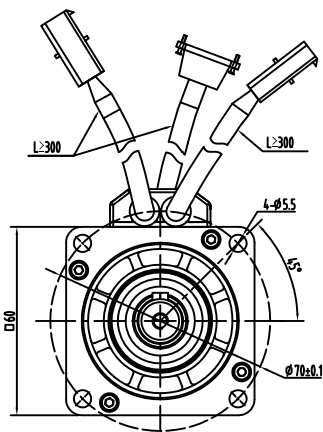
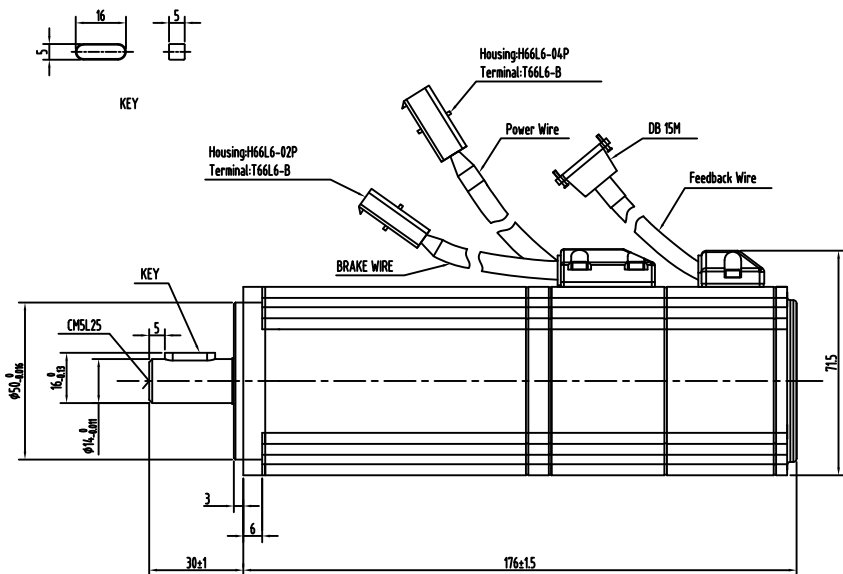
Connector Detail (Brake Wire)

PIN	FUNCTION	COLOR
1	MOTOR U	YELLOW
2	MOTOR V	RED
3	MOTOR W	BLACK
4	MOTOR PE \perp	YELLOW/GREEN

Connector Detail (Power Wire)

PIN	FUNCTION	COLOR	PIN	FUNCTION	COLOR
1	DC +5V	RED	9	W	GRAY/BLACK
2	GND	BLACK	10	V	WHITE/BLACK
3	NC		11	/Z	YELLOW/BLACK
4	U	BROWN/BLACK	12	/B	GREEN/BLACK
5	/U	BROWN	13	/A	BLUE
6	Z	YELLOW	14	/W	GRAY
7	B	GREEN	15	/V	WHITE
8	A	BLUE/BLACK			

Connector Detail (Feedback Wire)




Brake Data

Static friction	1.3N.m
Voltage	24VDC
Power	7.2w

Tecnical Data

No. of poles	6
DC Link Voltage U_{dc} (DC Link)	48
Rated Power P_n (W)	400
Rated Torque T_n (N.m)	1.27
Rated Speed n_n (rpm)	3000
Rated Current I_n (A)	10.1
Maximum torque T_m (N.m)	3.81
Maximum Current I_m (A)	30.3
Standstill torque T_s (N.m)	1.4
Standstill current I_s (A)	11.1
Resistance line-line R_L (Ω)	0.329
Inductance line-line L_L (mH)	0.68
Electrical time constant τ_e (ms)	2.07
Mechanical time constant τ_m (ms)	1.33
Voltage constant K_v (V/krpm)	8
Torque constant K_t (Nm/A)	0.132
Rotor moment of inertia J_m (Kg.cm ²)	0.409
Max. voltage rising du/dt (KV/ μ s)	8
Insulation class	F
Max. radial force F_r (N)	180
Max. axial force F_a (N)	90
Weight(Kg)	2.1

Feed back device	2500p/rev incremental encoder	
	TS6014N119	
Temperature sensor	n.a.	
Cooling method	Totally enclosed non-ventilated	
protection level	IP65,shaft sealing IP54	
Environmental conditions	Temperature	-20C~40C
	Humidity	Below 90%RH (No dewing)
	Environment	Far away active gas,combustible gas,oil drop,ash.
	Installation altitude	UP TO 1000m:rated power, above 1000m:15% power decreasing per 100m,max.4000m
Rating conditions	Mounting	Aluminum flange 255x255x6mm
	Temperature	60K housing temperature ring at 40C ambient

					DESIGN	DATE	P/N.	9.5621SS	
REV	ECN NO.	DRN	APP'D	DATE	WYD	19-3-14			
UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: .x ±0.5 .xx ±0.25 .xxx ±0.1 UNIT: mm DO NOT SCALE DRAWING		MATERIAL	CONTR.	CHECK		19-3-14	TITLE	Outside Drawing	
				LS			USED ON	SMC60S-0040-30ABK-3DSH	
				APPD					
			SL		19-3-14			DWG NO.	
		FIRST ANGLE PROJECTION		SCALE		Kinco			
				SHEET OF					

Kinco