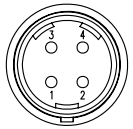
PIN	FUNCTION	COLOR
1	MOTOR PE ⏚	YELLOW/GREEN
2	MOTOR U	YELLOW
3	MOTOR V	RED
4	MOTOR W	BLACK



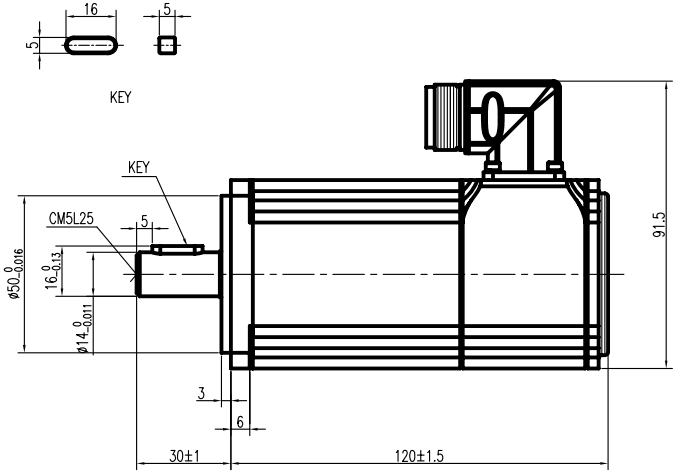
4 PIN

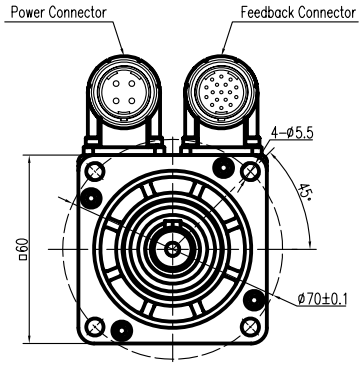
Power Connector

PIN	FUNCTION	COLOR	PIN	FUNCTION	COLOR
1	DC +5V	RED	10	/U	BROWN
2	GND	BLACK	11	V	WHITE/BLACK
3	A	BLUE/BLACK	12	/V	WHITE
4	/A	BLUE	13	NC	NC
5	B	GREEN	14	Z	YELLOW
6	/B	GREEN/BLACK	15	/Z	YELLOW/BLACK
7	NC	NC	16	W	GRAY/BLACK
8	NC	NC	17	/W	GRAY
9	U	BROWN/BLACK			

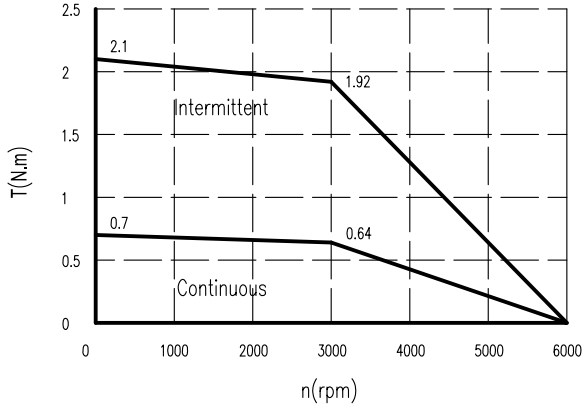
17 PIN

Feedback Connector





Performance Curve



Kinavo ® AC SERVO MOTOR
SMH60-203026ENM-31

W	200	V	220
A	1.6	Nm	0.64
RPM	3000	Ins F	IP65

Kinavo Servo Motor (Changzhou) Ltd.
MADE IN CHINA
S/N: K0NCK01YYDDDNNNN

Tecnical Data		
No. of poles		6
DC Link Voltage U_{DC} (DC Link)		300
Rated Power P_N(W)		200
Rated Torque T_N(N.m)		0.64
Rated Speed n_N(rpm)		3000
Rated Current I_N(A)		1.6
Maximum torque T_m(N.m)		1.92
Maximum Current I_m(A)		4.8
Standstill torque T_S(N.m)		0.7
Standstill current I_S(A)		1.76
Resistance line-line R_L(Ω)		8.02
Inductance line-line L_L(mH)		16.3
Electrical time constant τ_e(ms)		2.03
Mechanical time constant τ_m(ms)		2.26
Voltage constant K_e(V/krpm)		29
Torque constant K_t(Nm/A)		0.48
Rotor moment of inertia Jm ($Kg.cm^2$)		0.375
Max. voltage rising du/dt(KV/μs)		8
Insulation class		F
Max. radial force Fr(N)		180
Max. axial force Fa(N)		90
Weight(Kg)		1.3
Feed back device		2500p/rev incremental encoder
		TS6014N115
Temperature sensor		n.a.
Cooling method		Totally enclosed non-ventilated
protection level		IP65,shaft sealing IP54
Evironmental conditions	Temperature	-20℃~40℃
	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:1.5% power decreasing per 100m,max.4000m
Rating conditions	Mounting	Aluminum flange 255x255x6mm
	Temperature	60K housing temperature ring at 40℃ ambient

REV	ECN NO.	DRN	APP'D	DATE

UNLESS OTHERWISE SPECIFIED TOLERANCES
DECIMALS: ANGULAR:
.x ±0.5 ±0°30'
.xx ±0.25
.xxx ±0.1
UNIT: mm
DO NOT SCALE DRAWING

MATERIAL
CONTR.

FIRST ANGLE PROJECTION

DESIGN	DATE	
CHECK		
APPD		
SCALE		
SHEET	OF	

P/N.	K3.162.0191SS
TITLE	Outside Drawing
USED ON	SMH60-203026ENM-31
DWG NO.	REV A

KINAVO MOTOR