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

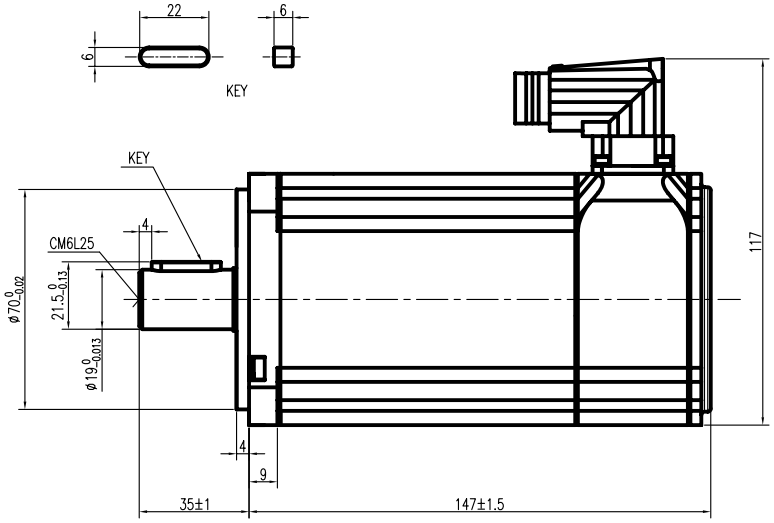
M17 7PIN

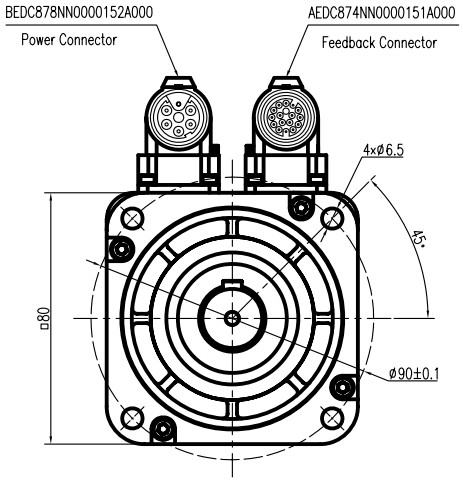
Power Connector

PIN	FUNCTION	COLOR	PIN	FUNCTION	COLOR
1	DC +5V	RED(28AWG)	10	/U	BROWN
2	GND	BLACK(28AWG)	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	KTY(+)	RED(26AWG)	16	W	GRAY/BLACK
8	KTY(−)	BLACK(26AWG)	17	/W	GRAY
9	U	BROWN/BLACK			

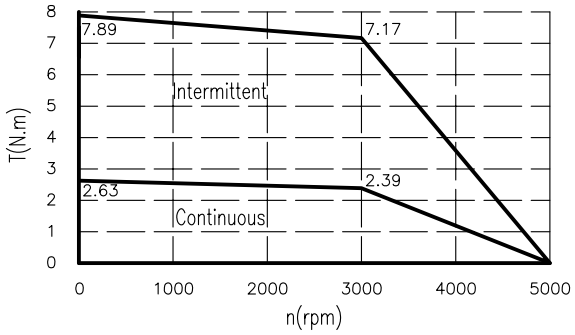
M17 17PIN

Feedback Connector





Performance Curve



Kinavo ® AC SERVO MOTOR
SMH80-753026ENC-30

W	750	V	220
A	3.9	Nm	2.39
RPM	3000	Ins F	IP65

Kinavo Servo Motor (Changzhou) Ltd.
MADE IN CHINA
S/N: K2NMK01YYDDDNNNN

Tecnical Data	
No. of poles	6
DC Link Voltage U_{DC} (DC Link)	300
Rated Power P_N(W)	750
Rated Torque T_N(N.m)	2.39
Rated Speed n_N(rpm)	3000
Rated Current I_N(A)	3.9
Maximum torque T_m(N.m)	7.17
Maximum Current I_m(A)	11.7
Standstill torque T_S(N.m)	2.63
Standstill current I_S(A)	4.29
Resistance line−line R_L(Ω)	1.4
Inductance line−line L_L(mH)	7.5
Electrical time constant τ_e(ms)	5.35
Mechanical time constant τ_m(ms)	0.75
Voltage constant K_e(V/krpm)	40
Torque constant K_t(Nm/A)	0.662
Rotor moment of inertia Jm ($Kg.cm^2$)	1.36
Max. voltage rising du/dt(KV/μs)	8
Insulation class	F
Max. radial force Fr(N)	335
Max. axial force Fa(N)	167.5
Weight(Kg)	3.3
Feed back device	2500p/rev incremental encoder
	TS6014N115
Temperature sensor	KTY84−130
Cooling method	Totally enclosed non−ventilated
protection level	IP65,shaft sealing IP54
Evironmental conditions — Temperature	−20℃~40℃
Evironmental conditions — Humidity	Below 90%RH (No dewing)
Evironmental conditions — Environment	Far away active gas,combustible gas,oil drop,ash.
Evironmental conditions — Installation altitude	UP TO 1000m:rated power, above 1000m:1.5% power decreasing per 100m,max.4000m
Rating conditions — Mounting	Aluminum flange 255x255x6mm
Rating conditions — 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.	K3.162.5124SS
TITLE	Outside Drawing
USED ON	SMH80−753026ENC−30
DWG NO.	REV A

KINAVO MOTOR