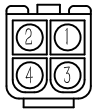
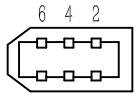
角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIER GAGE
1	U相 MOTOR U	黄 YELLOW	20AWG
2	V相 MOTOR V	红 RED	
3	W相 MOTOR W	黑 BLACK	
4	接地 MOTOR PE	黄绿 YELLOW/GREEN	



壳体 Housing:H66L6-04P
端子 Terminal:T66L6-B

动力线 Power Wire

角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIER GAGE
1	DC +5V	红 RED	28AWG
2	GND	黑 BLACK	
3	VB+	棕 BROWN	
4	VB-	白 WHITE	
5	SD+	蓝 BLUE	
6	SD-	黄 YELLOW	



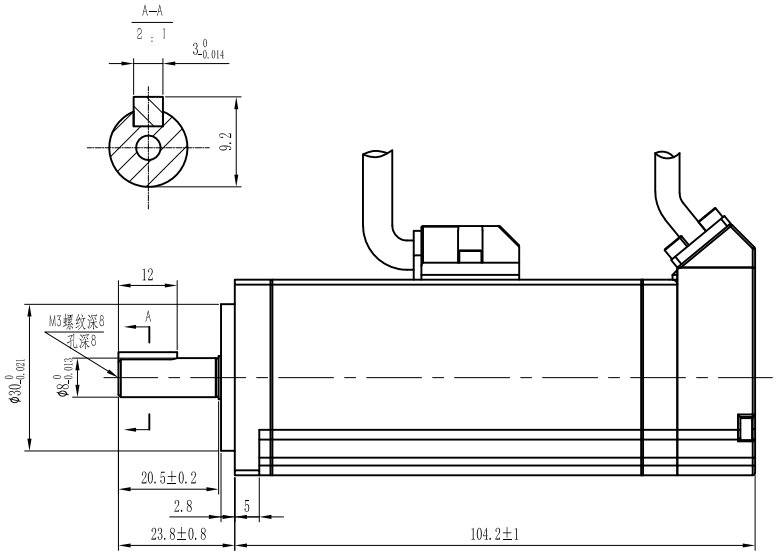
SC-06

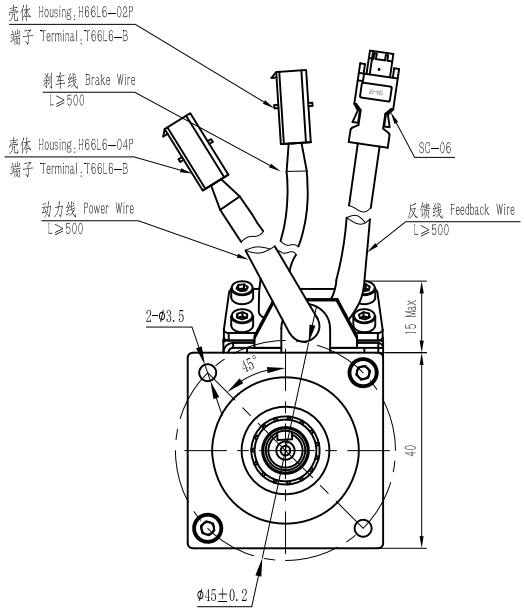
Connector Detail (Feedback Wire)

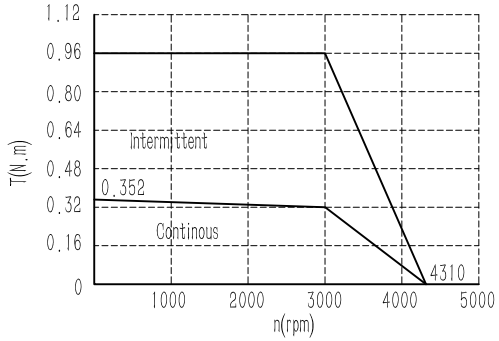
角号 PIN	定义 FUNCTION	颜色 COLOR	线径 WIER GAGE
1	BRAKE+	红 RED	24AWG
2	BRAKE-	蓝 BLUE	

壳体 Housing:H66L6-02P
端子 Terminal:T66L6-B

刹车线 Brake Wire







刹车参数 Brake Data	
静摩擦力 Static Friction (N.m)	0.32
电压 Voltage (VDC)	24
功率 Power (W)	6.1

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)	50
额定转矩 Rated Torque T_N (N.m)	0.16
额定转速 Rated Speed n_N (rpm)	3000
额定电流 Rated Current I_N (A)	1.5
最大转矩 Maximum torque T_m (N.m)	0.48
最大电流 Maximum Current I_m (A)	5.5
连续静态转矩 Standstill torque T_S (N.m)	0.176
连续静态电流 Standstill current I_S (A)	1.65
线电阻 Resistance line-line R_L (Ω)	4.1
线电感 Inductance line-line L_L (mH)	4.5
电气时间常数Electrical time constant τ_e (ms)	1.1
机械时间常数Mechanical time constant τ_m (ms)	1.0
反电势常数 Voltage constant Ke (V/krpm)	7
转矩常数 Torque constant Kt (Nm/A)	0.11
转动惯量 Rotor moment of inertia Jm (Kg.cm2)	0.021
最大径向力 Max. radial force Fr (N)	120
最大轴向力 Max. axial force Fa (N)	60
反馈装置 Feed back device	SRMA34-M16S17Bit
绝缘等级 Insulation class	F
防护等级 Protection level	IP65,shaft sealing IP54
重量 Weight (Kg)	0.6

VER	DESCRIPTION OF CHANGE

VER	ECN NO.	CHANGE	APP'D	DATE

FINAL TOLERANCE REFERENCE
GB/T 1804-m Unit:mm
LINER
≤6 ±0.1 6~30 ±0.2
>30~120 ±0.3 20~400 ±0.5

MATERIAL

FIRST ANGLE PROJECTION

DESIGN	LSJ	2021-09-07
CHECK	WYD	2021-09-07
APPROVE	SL	2021-09-07

SHEET 1 OF 1

P/NO.	9.7440
TITLE	外形图
USED ON	SMC40S-0005-30QBK-5DSU
SCALE	1:1
VER.	V1.0

KINCO