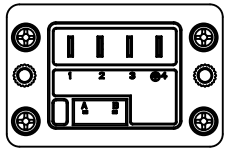
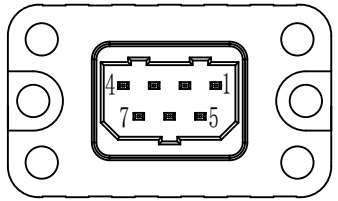
角号 PIN	定义 FUNCTION
1	U相 MOTOR U
2	W相 MOTOR W
3	V相 MOTOR V
4	接地 MOTOR PE
A	抱闸
B	抱闸



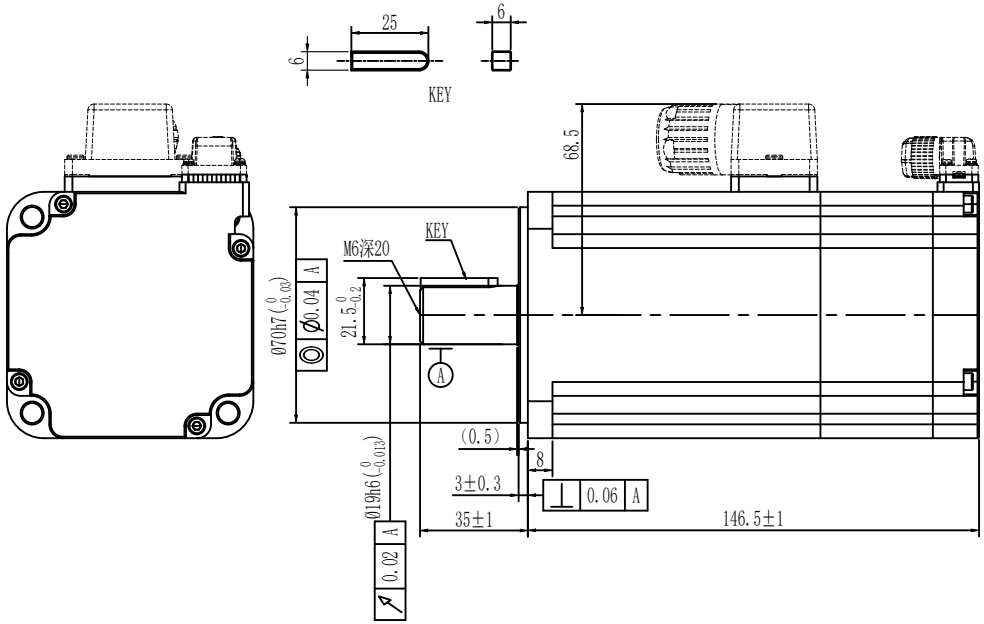
动力线 Power Wire

角号 PIN	定义 FUNCTION
1	DC +5V
2	GND
3	VB+
4	VB-
5	485+
6	485-
7	PE



反馈线 Feedback Wire

受控



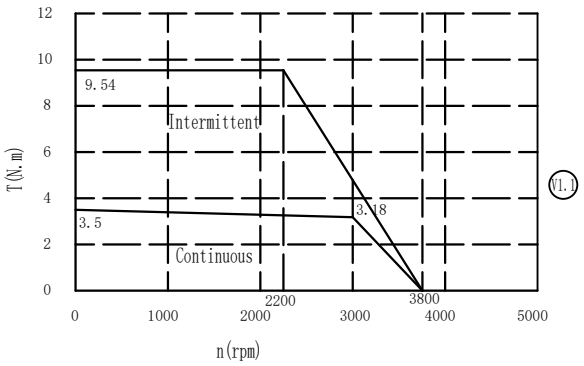
刹车参数 Brake Data

静摩擦力 Static Friction (N.m)	4N.m
电压 Voltage (VDC)	24
功率 Power (W)	11.5

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)	1000
额定转矩 Rated Torque T_N(N.m)	3.18
额定转速 Rated Speed n_N(rpm)	3000
额定电流 Rated Current I_N(A)	25.8 (V1.1)
最大电流 Maximum Current I_m(A)	81 (V1.1)
最大转矩 Maximum torque T_m(N.m)	9.54 (V1.1)
连续静态转矩 Standstill torque T_S(N.m)	3.5
连续静态电流 Standstill current I_S(A)	28.4 (V1.1)
线电阻 Resistance line-line R_L(Ω)	0.058 (V1.1)
线电感 Inductance line-line L_L(mH)	0.22 (V1.1)
电气时间常数 Electrical time constant τ_e(ms)	3.79 (V1.1)
机械时间常数 Mechanical time constant τ_m(ms)	0.66 (V1.1)
反电势常数 Voltage constant K_e(V/krpm)	8.23
转矩常数 Torque constant K_t(Nm/A)	0.136
转动惯量 Rotor moment of inertia Jm (Kg.cm^2)	1.22
最大径向力 Max. radial force Fr(N)	392
最大轴向力 Max. axial force Fa(N)	147
反馈装置 Feed back device	AM-M16/S17Bit
绝缘等级 Insulation class	F
防护等级 Protection level	IP65
重量 Weight (Kg)	3.1

Performance Curve



SN:R8BAKOQYYDDDNNNN

VER	DESCRIPTION OF CHANGE
V1.1	性能参数优化

V1.1	DCN240062	HH	SL	240229
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	>120~400	±0.5

MATERIAL

FIRST ANGLE PROJECTION

DESIGN	DATE
HH	23-11-26
CHECK	
XC	23-11-26
APPROVE	
SL	23-11-26
SHEET 1 OF 1	

P/NO.	307090591SS
TITLE	Outside Drawing
USED ON	SMK80S-0100-30QBK-5DKA
SCALE:	VER:V1.1

Kinco

A