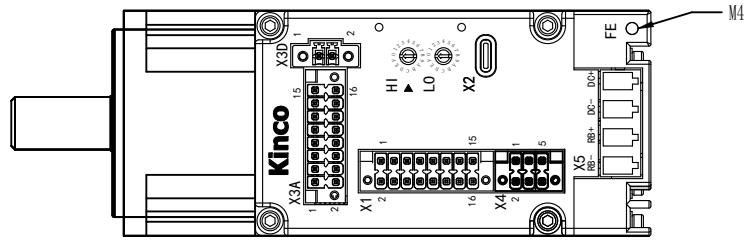
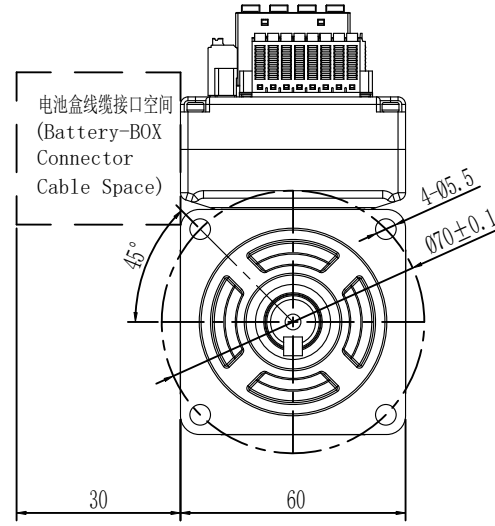
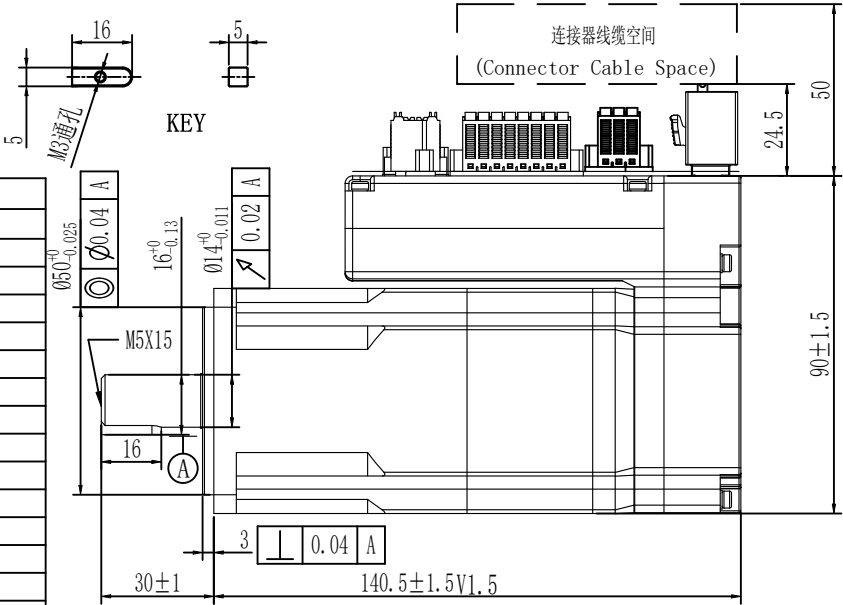


X1 通信接口 (Communication interface)	1	CANH	2	CANH			16	2
	3	CANL	4	CANL			15	1
	5	GND	6	GND				
	7	RS485A	8	RS485A				
	9	RS485B	10	RS485B				
X3A I/O接口 (I/O interface)	11	GND	12	GND				
	13	/	14	/				
	15	24VAUX	16	GND				
	1	AI1+	2	AI1-				
	3	PUL+	4	COM				
X3D 电池接口 (Battery interface)	5	PUL-	6	DI1				
	7	DIR+	8	DI2				
	9	DIR-	10	DI3				
	11	DO1+	12	DO1-				
	13	DO2+	14	DO2-				
X4 STO接口 (STO interface)	15	24VS	16	GND				
	1	BAT+						
	2	BAT-						
	1	STOA+	2	STOA-				
	3	STOB+	4	STOB-				
X5 电源接口 (Power supply interface)	5	24V	6	GND				
	1	RB-						
	2	RB+						
	3	DC-						
	4	DC+						



未注线性公差 Undeclared linear tolerance	V1.4	增加插头端子		2025/10/21	批准Approve	HH	2025/12/1	料号Part No	3110200021	产品外形图Product Outline Drawing Kinco步科 步科股份：688160 The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. 页码Page No
0.5~3	V1.3	更改TN曲线		2025/10/15	标准化Standard	ZY	2025/12/1	型号Model	iSMD60D-040-DQBK-AS-000	
>3~6	V1.2	更改标注样式		2025/09/29	工艺Technique	JKK	2025/12/1	版本Version	V1.5	
>6~30	V1.1	增加TN曲线		2025/09/19	审核Check	ZY	2025/12/1	比例Scale	1: 1	
>30~120	V1.5	修正电机长度		2025/12/01	设计Design	WYD	2025/12/1	投影法 Projection methods		
>120~400	±1.2	VER Mark	版本记录Version record	归档方式ECN No	归档日期Date	评审Review	姓名Names	日期Data	图例	页码Page No
1	2	3	4	5	6	7	8	9.4824	10	A

1	2	3	4	5	6	7	8	9	10	
1										1
2										2
3										3
4										4
5										5
6										6
7										7
8										8
1	2	3	4	5	6	7	8	9	10	A

一体机性能参数Performance parameters with Drive		
参数项Parameter item	单位Unit	参数值Parameter values
动力电源Power supply	VDC	48
逻辑电源Logic power	VDC	24
额定功率Rated Power	W	400W
额定电流Rated Current	A	10
额定转矩Rated Torque	N.m	1.27
额定转速Rated Speed	rpm	3000
最大电流Maximum current	Arms	33.6
最大转矩Maximum torque	N.m	3.81
最大转速Maximum speed	rpm	4000
转动惯量Rotational inertia	kg.cm2	0.49
最大径向力Radial force Max	N	245
最大轴向力Axial force Max	N	74
重量Weight	kg	1.8
绝缘等级Insulation Class	/	F
防护等级Protection Degree	/	IP20
工作制Working system	/	S1
工作环境温度Working Temperature	/	-20~40℃

TN 曲线图 TN Graph

转矩 (N·m)

4

2

0

0

1000

2000

3000

4000

5000

转速 (rpm)

(2100, 3.81)

(3300, 1.27)

(4000, 0.16)

短时工作区

Short term workspace

连续工作区

Continuous workspace

制动器性能参数Brake performance parameters		
参数项Parameter item	单位Unit	参数值Values
额定电压Rated Voltage	V	24
静力矩Static torque	N·m	2
制动时间Braking time	ms	60
释放时间Release time	ms	/
吸合电压Attract Voltage	V	16

编码器性能参数Encoder performance parameters		
参数项Parameter item	参数值Values	
类型Type	磁电式多圈绝对值 (Magnetic multi-turn absolute encoder)	
分辨率Resolution	131072 (M16/S17bit)	

未注线性公差 Undeclared linear tolerance		V1.4	增加插头端子	2025/10/21	批准Approve	HH	2025/12/1	料号Part No	3110200021	产品外形图Product Outline Drawing Kinco 步科 步科股份：688160 The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited. 页码Page No Sheet 2 OF 2 A2
0.5~3	±0.2	V1.3	更改TN曲线	2025/10/15	标准化Standard	ZY	2025/12/1	型号Model	iSMD60D-040-DQBK-AS-000	
>3~6	±0.3	V1.2	更改标注样式	2025/09/29	工艺Technique	JKK	2025/12/1	版本Version	V1.5	
>6~30	±0.5	V1.1	增加TN曲线	2025/09/19	审核Check	ZY	2025/12/1	比例Scale	1: 1	
>30~120	±0.8	V1.5	修正电机长度	2025/12/01	设计Design	WYD	2025/12/1	投影法		
>120~400	±1.2	VER	Mark	版本记录Version record	归档方式ECN No	归档日期Date	评审Review	姓名Names	日期Data	