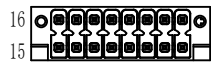
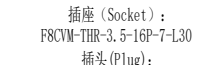
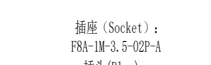
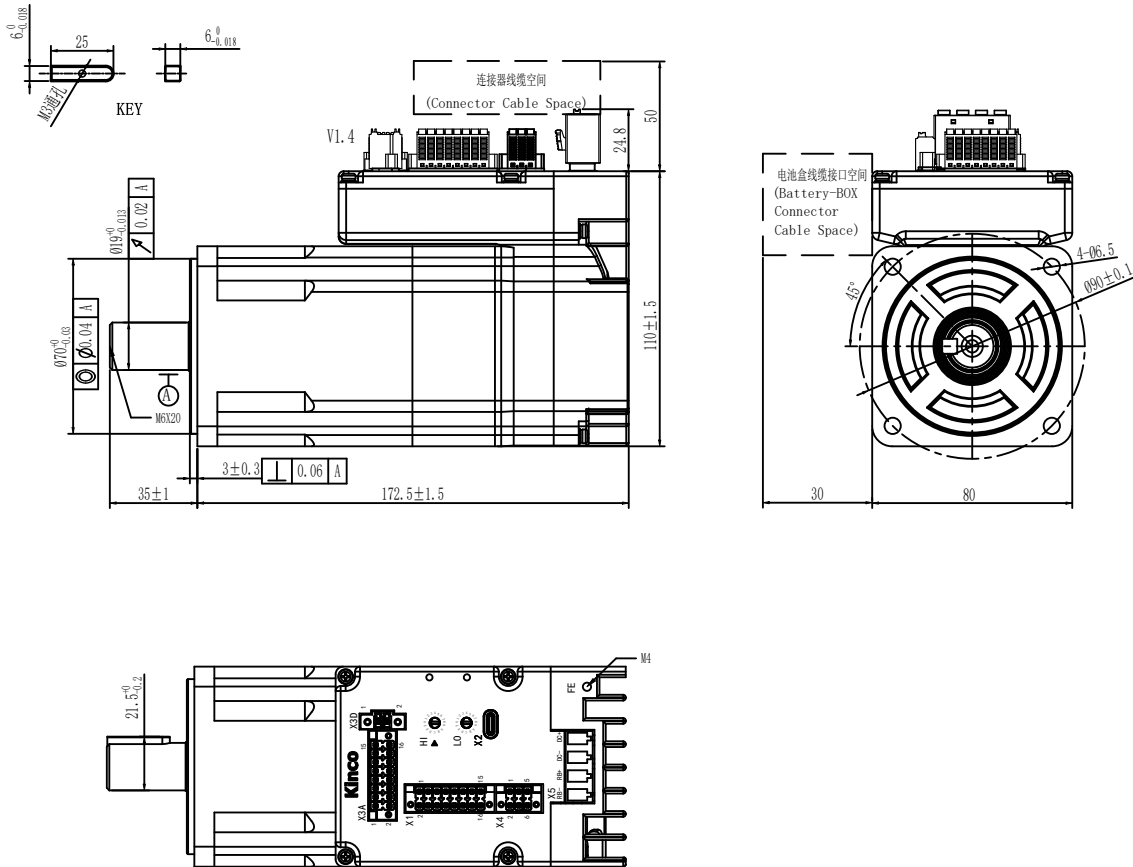


1		2		3		4		5		6		7		8		9		10			
1																				1	
2																				2	
X1 通信接口 (Communication interface)		1	CANH	2	CANH				2												
		3	CANL	4	CANL				15												
		5	GND	6	GND																
		7	RS485A	8	RS485A																
		9	RS485B	10	RS485B																
X3A I/O接口 (I/O interface)		11	GND	12	GND				2												
		13	/	14	/				15												
		15	24VAUX	16	GND	AUX															
		1	AI1+	2	AI1-																
		3	PUL+	4	COM1																
X3D 电池接口 (Battery interface)		5	PUL-	6	DI1				2												
		7	DIR+	8	DI2				15												
		9	DIR-	10	DI3																
		11	DO1+	12	DO1-																
		13	DO2+	14	DO2-																
X4 STO接口 (STO interface)		15	24VS	16	GND				2												
		1	BAT+																		
X5 电源接口 (Power supply interface)		2	BAT-						2												
X5 电源接口 (Power supply interface)		1	STOA+	2	STOA-				2												
		3	STOB+	4	STOB-																
		5	24V	6	GND																
X5 电源接口 (Power supply interface)		1	RB-						2												
		2	RB+																		
		3	DC-																		
		4	DC+																		
引线名称 Lead Name		引线号 Pin No		信号定义 Definition		引线号 Pin No		信号定义 Definition		颜色 Colour		线径 Wire Diameter		连接器型号 Connector Models		备注 Remarks					
1				2				3				4				5					



Top view dimensions: 172.5±1.5, 35±1, 3±0.3, 0.06 A, 0.02 A, 0.015 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																																																																																																																																																																															
<table><tr><td colspan="3">一体机性能参数Performance parameters with Drive</td></tr><tr><td>参数项Parameter item</td><td>单位Unit</td><td>参数值Parameter values</td></tr><tr><td>动力电源Power supply</td><td>VDC</td><td>48</td></tr><tr><td>逻辑电源Logic power</td><td>VDC</td><td>24</td></tr><tr><td>额定功率Rated Power</td><td>W</td><td>1000W</td></tr><tr><td>额定电流Rated Current</td><td>A</td><td>24</td></tr><tr><td>额定转矩Rated Torque</td><td>N.m</td><td>3.18</td></tr><tr><td>额定转速Rated Speed</td><td>rpm</td><td>3000</td></tr><tr><td>最大电流Maximum current</td><td>Arms</td><td>71.2</td></tr><tr><td>最大转矩Maximum torque</td><td>N.m</td><td>9.54</td></tr><tr><td>最大转速Maximum speed</td><td>rpm</td><td>3500</td></tr><tr><td>转动惯量Rotational inertia</td><td>kg.cm2</td><td>2.33</td></tr><tr><td>最大径向力Radial force Max</td><td>N</td><td>392</td></tr><tr><td>最大轴向力Axial force Max</td><td>N</td><td>147</td></tr><tr><td>重量Weight</td><td>kg</td><td>3.6</td></tr><tr><td>绝缘等级Insulation Class</td><td>/</td><td>F</td></tr><tr><td>防护等级Protection Degree</td><td>/</td><td>IP20</td></tr><tr><td>工作制Working system</td><td>/</td><td>S3</td></tr><tr><td>工作环境温度Working Temperature</td><td>/</td><td>-20~40℃</td></tr></table> TN 曲线图 TN Graph 转矩 (N·m) 10 8 6 4 2 0 0 1000 2000 3000 4000 5000 转速 (rpm) (2100, 9.54) 短时工作区 Short term workspace (3000, 3.18) S3工作区 S3 workspace (3500, 0.53) <table><tr><td colspan="4">制动器性能参数Brake performance parameters</td></tr><tr><td>参数项Parameter item</td><td>单位Unit</td><td colspan="2">参数值Values</td></tr><tr><td>额定电压Rated Voltage</td><td>V</td><td colspan="2">24</td></tr><tr><td>静力矩Static torque</td><td>N·m</td><td colspan="2">4</td></tr><tr><td>制动时间Braking time</td><td>ms</td><td colspan="2">80</td></tr><tr><td>释放时间Release time</td><td>ms</td><td colspan="2">/</td></tr><tr><td>吸合电压Attract Voltage</td><td>V</td><td colspan="2">16</td></tr></table><table><tr><td colspan="4">编码器性能参数Encoder performance parameters</td></tr><tr><td>参数项Parameter item</td><td colspan="3">参数值Values</td></tr><tr><td>类型Type</td><td colspan="3">磁电式多圈绝对值 (Magnetic multi-turn absolute encoder)</td></tr><tr><td>分辨率Resolution</td><td colspan="3">131072 (M16/S17bit)</td></tr></table><table><tr><td colspan="2">未注线性公差 Undeclared linear tolerance</td><td>V1.4</td><td>/</td><td>增加插头端子</td><td>/</td><td>2025/10/31</td><td>批准Approve</td><td>HH</td><td>2025/10/31</td><td>料号Part No</td><td>3110200004</td><td>产品外形图Product Outline Drawing</td></tr><tr><td>0.5~3</td><td>±0.2</td><td>V1.3</td><td>/</td><td>更改TN曲线</td><td>/</td><td>2025/10/15</td><td>标准化Standard</td><td>ZY</td><td>2025/10/31</td><td>型号Model</td><td>iSMD80D-100-DQBK-AS-000</td><td rowspan="5"> 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 </td></tr><tr><td>>3~6</td><td>±0.3</td><td>V1.2</td><td>/</td><td>更改TN曲线及标注样式</td><td>/</td><td>2025/9/29</td><td>工艺Technique</td><td>JKK</td><td>2025/10/31</td><td>版本Version</td><td>V1.4</td></tr><tr><td>>6~30</td><td>±0.5</td><td>V1.1</td><td>/</td><td>增加TN曲线</td><td>/</td><td>2025/9/19</td><td>审核Check</td><td>XC</td><td>2025/10/31</td><td>比例Scale</td><td>1: 1</td></tr><tr><td>>30~120</td><td>±0.8</td><td>V1.0</td><td>/</td><td>原始版本</td><td>新发布</td><td>/</td><td>设计Design</td><td>FP</td><td>2025/10/31</td><td>投影法</td><td></td></tr><tr><td>>120~400</td><td>±1.2</td><td>VER</td><td>Mark</td><td>版本记录Version record</td><td>归档方式ECN No</td><td>归档日期Date</td><td>评审Review</td><td>姓名Names</td><td>日期Data</td><td>投影方法Projection methods</td><td></td></tr></table> 旧物料编码：9.4850										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	1000W	额定电流Rated Current	A	24	额定转矩Rated Torque	N.m	3.18	额定转速Rated Speed	rpm	3000	最大电流Maximum current	Arms	71.2	最大转矩Maximum torque	N.m	9.54	最大转速Maximum speed	rpm	3500	转动惯量Rotational inertia	kg.cm2	2.33	最大径向力Radial force Max	N	392	最大轴向力Axial force Max	N	147	重量Weight	kg	3.6	绝缘等级Insulation Class	/	F	防护等级Protection Degree	/	IP20	工作制Working system	/	S3	工作环境温度Working Temperature	/	-20~40℃	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	4		制动时间Braking time	ms	80		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	/	2025/10/31	批准Approve	HH	2025/10/31	料号Part No	3110200004	产品外形图Product Outline Drawing	0.5~3	±0.2	V1.3	/	更改TN曲线	/	2025/10/15	标准化Standard	ZY	2025/10/31	型号Model	iSMD80D-100-DQBK-AS-000	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	>3~6	±0.3	V1.2	/	更改TN曲线及标注样式	/	2025/9/29	工艺Technique	JKK	2025/10/31	版本Version	V1.4	>6~30	±0.5	V1.1	/	增加TN曲线	/	2025/9/19	审核Check	XC	2025/10/31	比例Scale	1: 1	>30~120	±0.8	V1.0	/	原始版本	新发布	/	设计Design	FP	2025/10/31	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	投影方法Projection methods	
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	1000W																																																																																																																																																																																						
额定电流Rated Current	A	24																																																																																																																																																																																						
额定转矩Rated Torque	N.m	3.18																																																																																																																																																																																						
额定转速Rated Speed	rpm	3000																																																																																																																																																																																						
最大电流Maximum current	Arms	71.2																																																																																																																																																																																						
最大转矩Maximum torque	N.m	9.54																																																																																																																																																																																						
最大转速Maximum speed	rpm	3500																																																																																																																																																																																						
转动惯量Rotational inertia	kg.cm2	2.33																																																																																																																																																																																						
最大径向力Radial force Max	N	392																																																																																																																																																																																						
最大轴向力Axial force Max	N	147																																																																																																																																																																																						
重量Weight	kg	3.6																																																																																																																																																																																						
绝缘等级Insulation Class	/	F																																																																																																																																																																																						
防护等级Protection Degree	/	IP20																																																																																																																																																																																						
工作制Working system	/	S3																																																																																																																																																																																						
工作环境温度Working Temperature	/	-20~40℃																																																																																																																																																																																						
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	4																																																																																																																																																																																						
制动时间Braking time	ms	80																																																																																																																																																																																						
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	/	2025/10/31	批准Approve	HH	2025/10/31	料号Part No	3110200004	产品外形图Product Outline Drawing																																																																																																																																																																												
0.5~3	±0.2	V1.3	/	更改TN曲线	/	2025/10/15	标准化Standard	ZY	2025/10/31	型号Model	iSMD80D-100-DQBK-AS-000	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																																																																																																																																																																												
>3~6	±0.3	V1.2	/	更改TN曲线及标注样式	/	2025/9/29	工艺Technique	JKK	2025/10/31	版本Version	V1.4																																																																																																																																																																													
>6~30	±0.5	V1.1	/	增加TN曲线	/	2025/9/19	审核Check	XC	2025/10/31	比例Scale	1: 1																																																																																																																																																																													
>30~120	±0.8	V1.0	/	原始版本	新发布	/	设计Design	FP	2025/10/31	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	投影方法Projection methods																																																																																																																																																																														