

	1	2	3	4	5	6	7	8	9	10
1										
2	Mechanical drawing of the battery box. The top view shows a rectangular shape with dimensions 16mm by 5mm. A hole is located at one end with a diameter of 16^{+0.13}/_{-0.01}. A keyway is shown with a width of 5mm. The side view shows a height of 24.5mm and a total height of 50mm. The bottom view shows a circular pattern with a diameter of 60mm and a distance of 30mm between two points. The drawing includes labels for "连接器线缆空间 (Connector Cable Space)" and "电池盒线缆接口空间 (Battery-BOX Connector Cable Space)".									
3										
4	X1 通信接口 (Communication interface)	1 CANH 3 CANL 5 GND C 7 RS485A 9 RS485B 11 GND R 13 / 15 24VAUX	2 CANH 4 CANL 6 GND C 8 RS485A 10 RS485B 12 GND R 14 / 16 GND AUX			插座(Socket): F8CVM-THR-3.5-16P-7-L30 插头(Plug): F7GM-3.5-16P-7				
5	X3A I/O接口 (I/O interface)	1 AI1+ 3 PUL+ 5 PUL- 7 DIR+ 9 DIR- 11 DO1+ 13 DO2+ 15 24VS	2 AI1- 4 COMI 6 DI1 8 DI2 10 DI3 12 DO1- 14 DO2- 16 GNDS			插座(Socket): F8CVM-THR-3.5-16P-7-L30 插头(Plug): F7GM-3.5-16P-A				
6	X3D 电池接口 (Battery interface)	1 BAT+ 2 BAT-				插座(Socket): F8A-1M-3.5-02P-A 插头(Plug): F7EMM-3.5-02P-A-100				
7	X5 电源接口 (Power supply interface)	1 RB- 2 RB+ 3 DC- 4 DC+				插座(Socket): F9CP-7.7.5-04P-A 插头(Plug): F9AP-7.7.5-04P-A				
8	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	连接器件型号 Connector Models	备注 Remarks	
1	2		3		4		5		6	
旧物料编码: 9.4585		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	0.48
最大径向力Radial force Max	N	245
最大轴向力Axial force Max	N	74
重量Weight	kg	1.4
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℃

转矩 (N·m)

TN 曲线图 TN Graph

4

2

0

0

1000

2000

3000

4000

5000

转速 (rpm)

(2100, 3.81)

短时工作区
Short term workspace

(3300, 1.27)

连续工作区
Continuous workspace

(4000, 0.16)

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	2025/10/21	料号Part No	3110200030	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	2025/10/21	型号Model	iSMD60D-040-DQAK-AA-000	
>3~6	±0.3	V1.2	/	更改标注样式	/	2025/09/29	工艺Technique	JKK	2025/10/21	版本Version	V1.4	
>6~30	±0.5	V1.1	/	增加TN曲线	/	2025/09/19	审核Check	ZY	2025/10/21	比例Scale	1:1	
>30~120	±0.8	V1.0	/	原始版本	新发布	/	设计Design	FP	2025/10/21	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			

旧物料编码: 9.4585