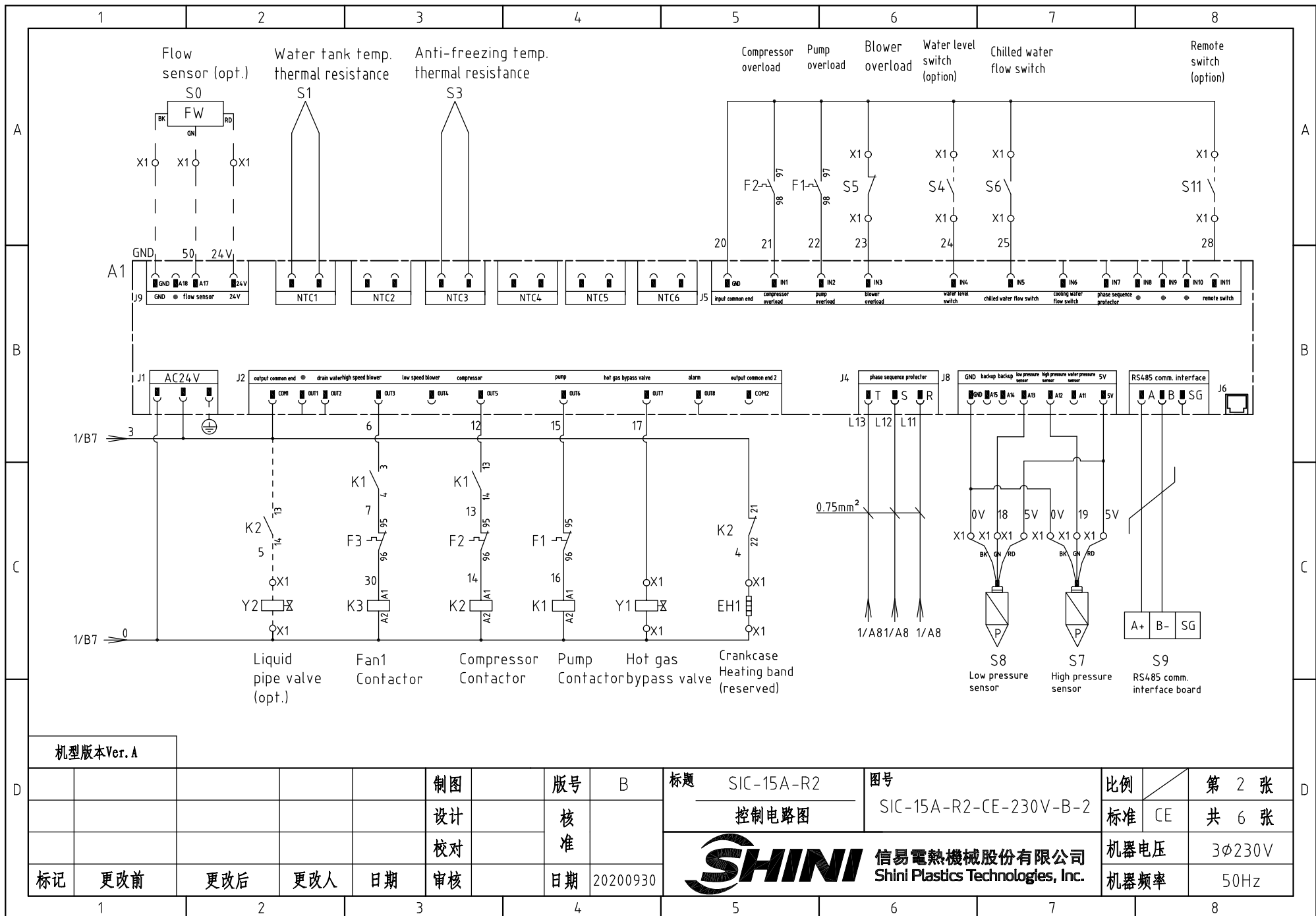
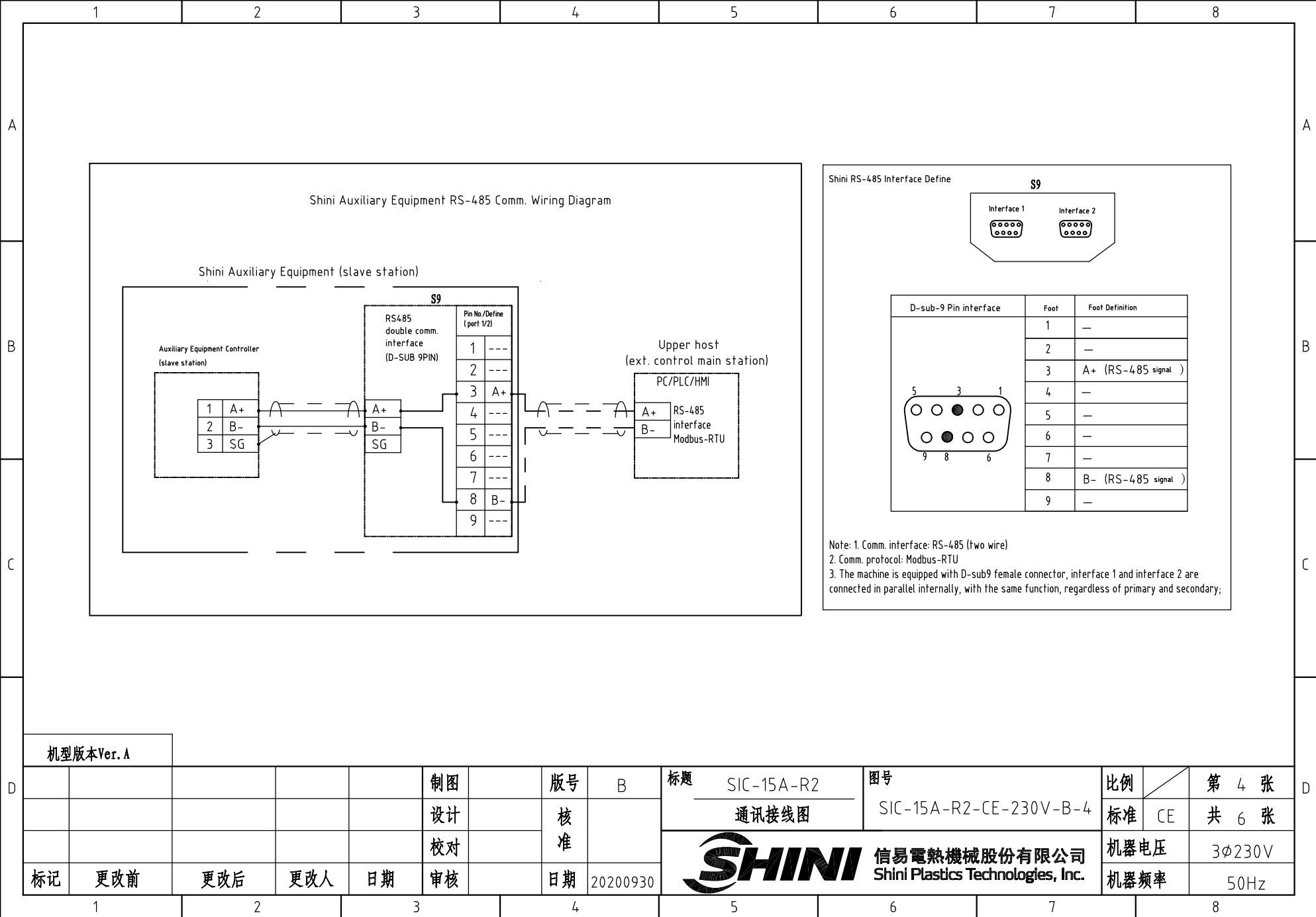






机型版本Ver. A

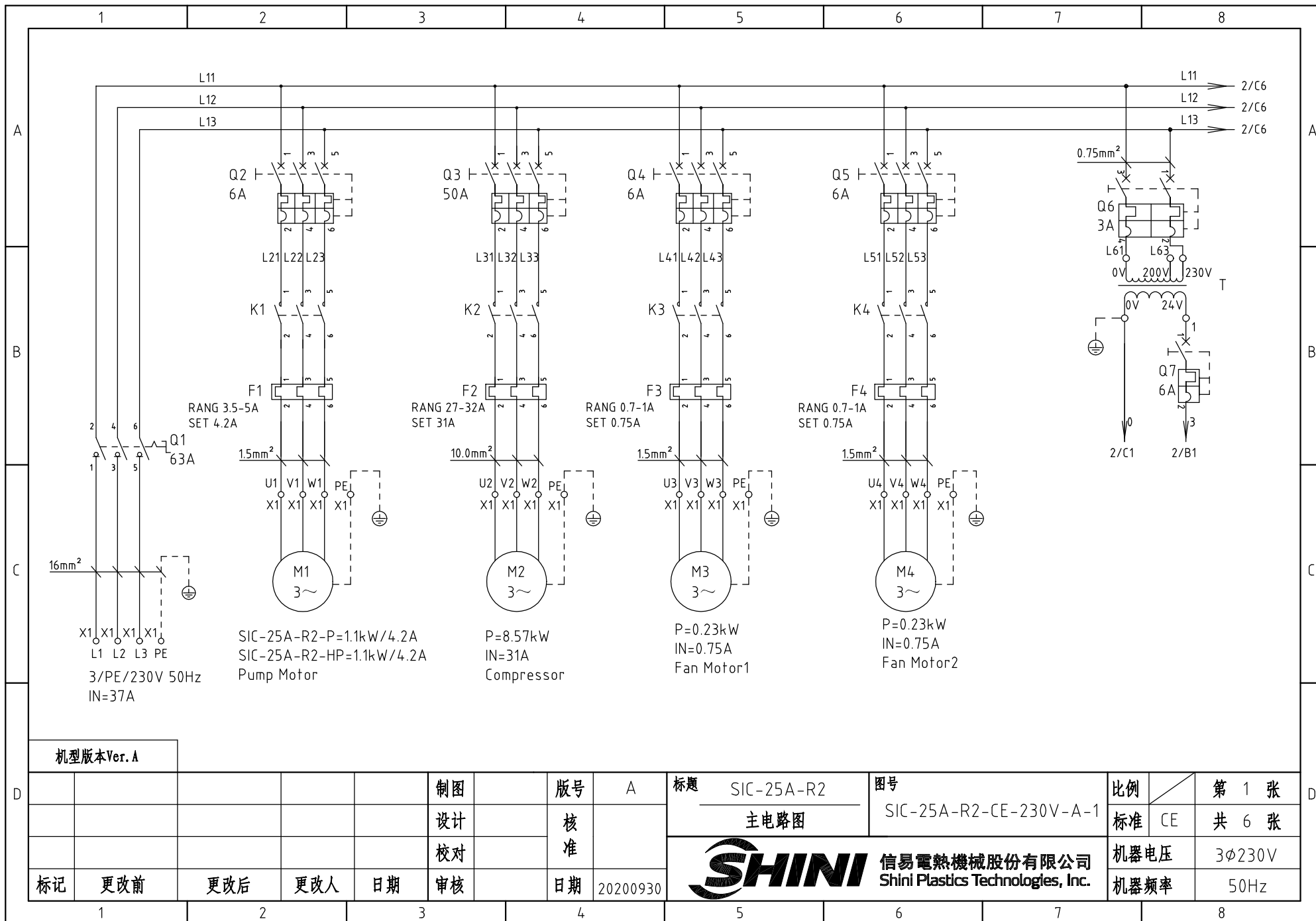
制图	版号	标题	图号	比例	第 4 张
设计	核 准	SIC-15A-R2	SIC-15A-R2-CE-230V-B-4	标准	共 6 张
校对	核 准	通讯接线图	信易電熱機械股份有限公司	机器电压	3ø230V
标记	更改前	更改后	更改人	日期	20200930
1	2	3	4	5	6
7	8	9	10	11	12

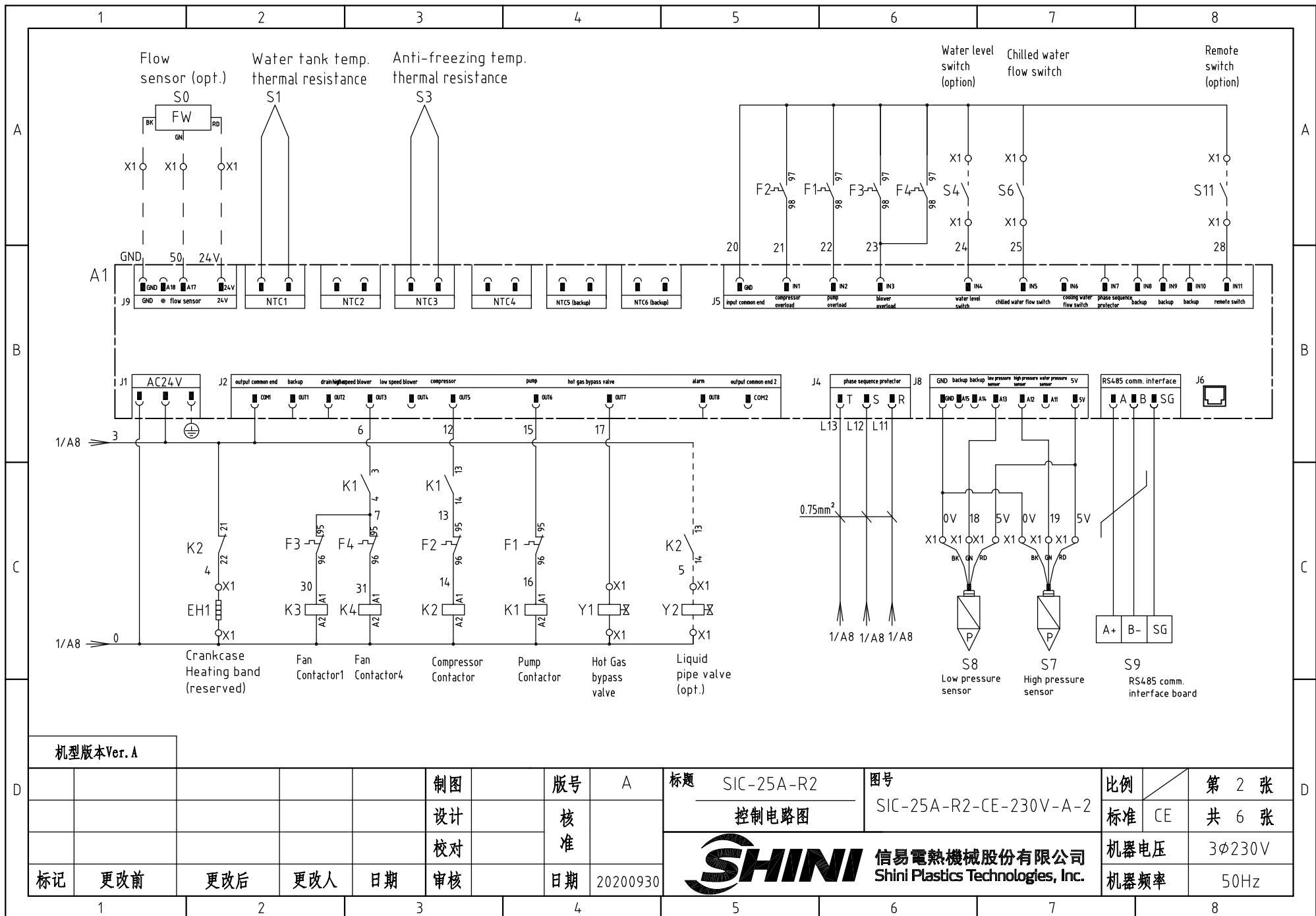
SHINI

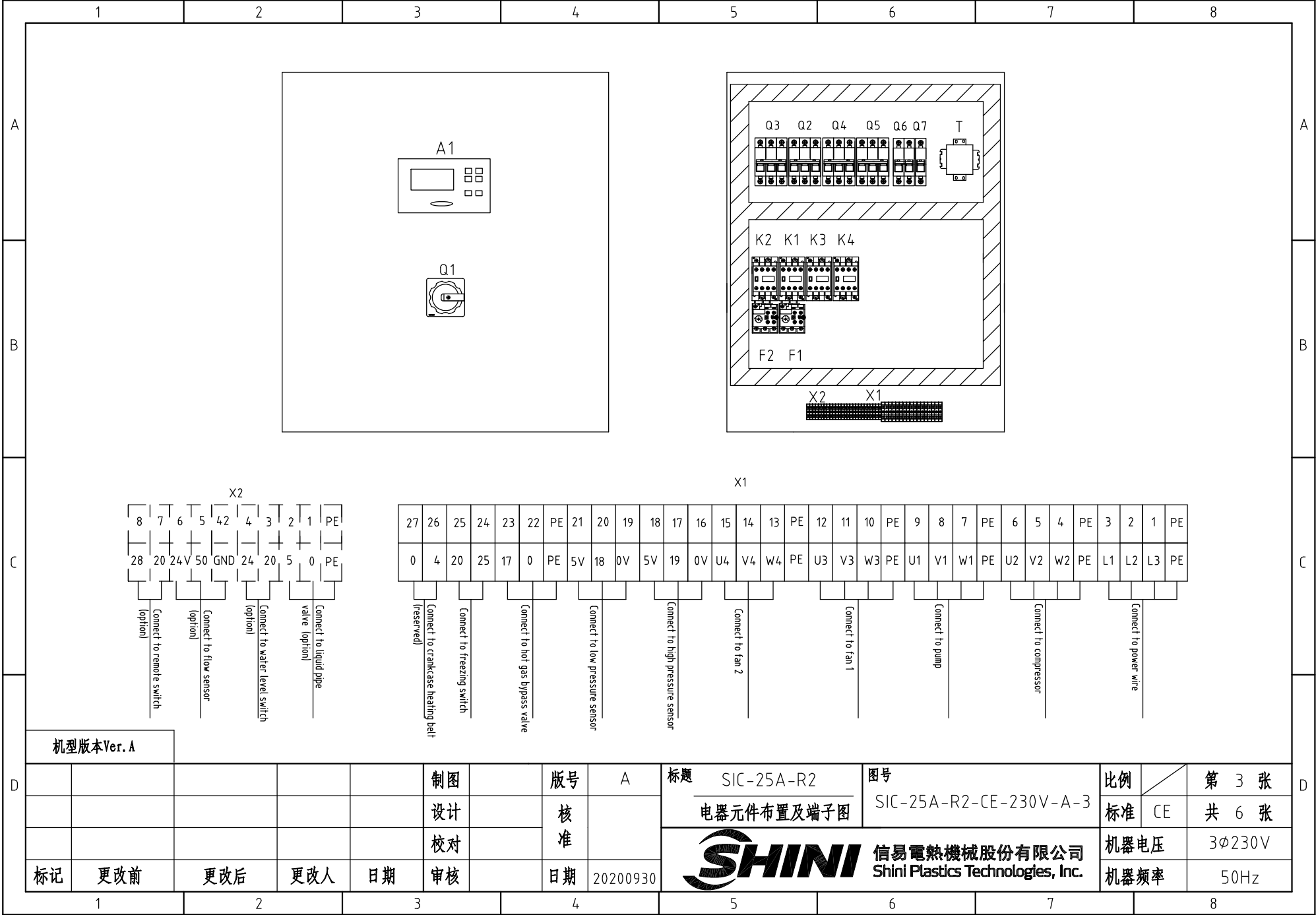
Shini Plastics Technologies, Inc.

1		2	3	4	5	6	7	8
N0.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main power switch	EATON	P1-32/EA/SVB	32A	1	YE10323200000	
2	Q2	Circuit breaker	TECO	BM-63C/3010S	10A	1	YE40301003000	
3	Q3	Circuit breaker	TECO	BM-63C/3020S	20A	1	YE40302003000	
4	Q4	Circuit breaker	TECO	BM-63C/3006S	6A	1	YE40300603000	
5	Q5	Circuit breaker	TECO	BM-63C/2003S	3A	1	YE40200203000	
6	Q6	Circuit breaker	TECO	BM-63C/1006S	6A	1	YE40100600100	
7	K1 K3	Contactor	SIEMENS	3RT6015-1AB01	24 VAC	2	YE00601502500	
8	K2	Contactor	SIEMENS	3RT6026-1AC20	24 VAC	1	YE00602602600	
9		Auxiliary contact	SIEMENS	3RH6911-1HA11	1NO+1NC	1	YE00691100100	
10	F1	Overload relay	SIEMENS	3RU6116-1EB0	2.8-4 A	1	YE01160280000	SIC-15A-R2-P
11	F1	Overload relay	SIEMENS	3RU6116-1FB0	3.5-5.0 A	1	YE01160350000	SIC-15A-R2-HP
12	F2	Overload relay	SIEMENS	3RU6126-4AB0	11-16 A	1	YE01260110000	
13	A1	Controller	PUNP	Single pressure water chiller controller SF317503A	AC 24 V	1	YE80317506700	
14	S1 S3	Anti-frozen RTD	PUNP	RTD	Φ4×85 4M 1/4PT	2	YE90001400700	
15	T	Transformer	JIUXIN	IN=230V/200V OUT=24V	120VA	1	YE70232002400	
16	S7	High pressure sensor	----	----	----	1	----	(1)
17	S8	Low pressure sensor	----	----	----	1	----	(1)
18	S9	Comm. interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)
19		Shell RS-485 (SAL-700G-A-19) ver.0	----	----	----	1	YR40048500000	(1)
20	X1	Terminal board	HONEYWELL	SK2.5	2.5mm ²	23	YE60002503200	
21		Earth terminal board	HONEYWELL	GK2.5	2.5mm ² PE	4	YE60002503400	
22		Terminal board	HONEYWELL	SK4.0	4.0mm ²	3	YE61040000000	
23		Earth terminal board	HONEYWELL	GK4.0PE	4.0mm ² PE	1	YE61043500000	
24		Terminal fittings E/GK series (honeywell)	HONEYWELL	----	----	6	YE60000003900	
25		Terminal board	HONEYWELL	SK2.5	2.5mm ²	2	YE60002503200	(2)
机型版本Ver. A		Note: (1) Materials not in the control box; (2) Optional liquid pipe valve; (3) Optional water level switch; (4) Optional flow sensor; (5) Optional remote switch:						
				制图		版号	B	标题
				设计		核		SIC-15A-R2
				校对		准		电气元件明细表一
				审核		日期	20200930	图号
								SIC-15A-R2-CE-230V-B-5
								比例
								标准
								CE
								第 5 张
								共 6 张
								机器电压
								3ø230V
								机器频率
								50Hz
标记	更改前	更改后	更改人	日期	审核	日期	20200930	
1	2	3	4	5	6	7	8	

1		2		3		4		5		6		7		8				
NO.		Symbol		Name		Manufacturer		Type		Specification		Number		Material number		Remark		
A	26				Earth terminal board		HONEYWELL		GK2.5		2.5mm²PE		1		YE60002503400		(2)	
	27				Terminal board		HONEYWELL		SK2.5		2.5mm²		2		YE60002503200		(3)	
	28				Terminal board		HONEYWELL		SK2.5		2.5mm²		3		YE60002503200		(4)	
	29				Terminal board		HONEYWELL		SK2.5		2.5mm²		2		YE60002503200		(5)	
	30		Y1		Solenoid valve		----		----		24VAC		1		----		(1)	
	31		Y2		Solenoid valve		----		----		24VAC		1		----		(1)	
B	32		M1		Pump motor		----		----		230V 50/60Hz 0.75KW		1		---- SIC-15A-R2-P		(1)	
	33		M1		Pump motor		----		----		230V 50/60Hz 1.1KW		1		---- SIC-15A-R2-HP		(1)	
	34		M2		Compressor		----		----		230V 50/60Hz 4.3kW		1		----		(1)	
	35		M3		Fan motor		----		----		230V 50/60Hz 0.23kW		1		----		(1)	
	36		EH1		Crankcase heating belt		----		----		24VAC 35W		1		----		(1)	
C																		
D																		







机型版本Ver. A

制图	版号	A
设计	核	
校对	准	
审核	日期	20200930

标题 SIC-25A-R2
电器元件布置及端子图

图号 SIC-25A-R2-CE-230V-A-3

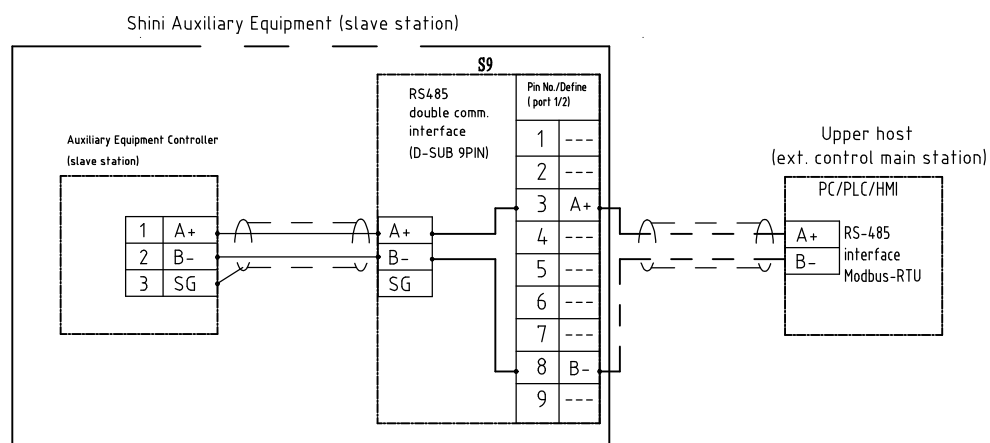
比例	第 3 张
标准 CE	共 6 张



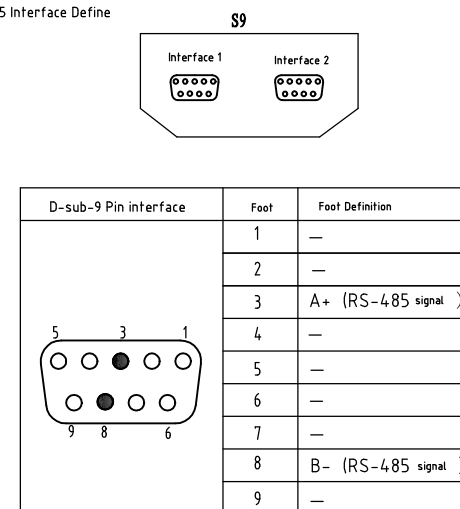
信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.

机器电压	3φ230V
机器频率	50Hz

Shini Auxiliary Equipment RS-485 Comm. Wiring Diagram



Shini RS-485 Interface Define



Note: 1. Comm. interface: RS-485 (two wire)

2. Comm. protocol: Modbus-RTU

3. The machine is equipped with D-sub9 female connector; interface 1 and interface 2 are connected in parallel internally, with the same function, regardless of primary and secondary;

机型版本Ver. A

制图	版号	B
设计	核准	
校对	核准	
标记	更改前	更改后
更改后	更改人	日期
日期	20200930	

标题 SIC-25A-R2
通讯接线图

图号 SIC-25A-R2-CE-230V-A-4

比例	第 4 张
标准	共 6 张



信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.

机器电压	3φ230V
机器频率	50Hz

1		2	3	4	5	6	7	8
N0.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main power switch	EATON	P3-63/EA/SVB	63A	1	YE10636300000	
2	Q3	Circuit breaker	TECO	BM-63C/3050S	50A	1	YE40305003000	
3	Q2 Q4 Q5	Circuit breaker	TECO	BM-63C/3006S	6A	3	YE40300603000	
4	Q6	Circuit breaker	TECO	BM-63C/2003S	3A	1	YE40200203000	
5	Q7	Circuit breaker	TECO	BM-63C/1006S	6A	1	YE40100600100	
6	K1 K3 K4	Contactor	SIEMENS	3RT6016-1AB01	24 VAC	3	YE00601602500	
7	K2	Contactor	SIEMENS	3RT6028-1AC20	24 VAC	1	YE00602802600	
8		Auxiliary contact	SIEMENS	3RH6911-1HA11	1NO+1NC	1	YE00691100100	
9	F1	Overload relay	SIEMENS	3RU6116-1FB0	3.5-5A	1	YE01160350000	
10	F2	Overload relay	SIEMENS	3RU6126-4NB0	23-28A	1	YE01612620000	
11	F3 F4	Overload relay	SIEMENS	3RU6116-0JB0	0.7-1A	2	YE01160700000	
12	A1	Controller	PUNP	Single pressure water chiller controller SF317503A	AC 24V	1	YE80317506700	
13	S1 S2	Anti-frozen RTD	PUNP	RTD	Φ4X85 4M 1/4PT	2	YE90001400700	
14	T	Transformer	JIUXIN	IN=230V/200V OUT=24V	120VA	1	YE70232002400	
15	S7	High pressure sensor	----	----	----	1	----	(1)
16	S8	Low pressure sensor	----	----	----	1	----	(1)
17	S9	Comm. interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)
18		Shell RS-485 (SAL-700G-A-19) ver.0	----	----	----	1	YR40048500000	(1)
19	X1	Terminal board	HONEYWELL	GK16	16mm ²	3	YE60001603200	
20		Earth terminal board	HONEYWELL	GK16PE	16mm ² PE	1	YE60001603500	
21		Terminal board	HONEYWELL	GK10	10mm ²	3	YE60001003200	
22		Earth terminal board	HONEYWELL	GK10PE	10mm ² PE	1	YE60001003500	
23		Terminal board	HONEYWELL	SK2.5	2.5mm ²	21	YE60002503200	
24		Earth terminal board	HONEYWELL	GK2.5	2.5mm ² PE	4	YE60002503400	
25		Terminal fittings E/GK series (honeywell)	HONEYWELL	----	----	6	YE60000003900	
机型版本Ver. A		Note: (1) Materials not in the control box; (2) Optional liquid pipe valve; (3) Optional water level switch; (4) Optional flow sensor; (5) Optional remote switch:						
				制图		版号	A	标题
				设计		核		SIC-25A-R2
				校对		准		电气元件明细表一
标记	更改前	更改后	更改人	日期	审核	日期	20200930	图号
1	2	3	4	5	6	7	8	SIC-25A-R2-CE-230V-A-5
								比例
								标准
								第 5 张
								共 6 张
								机器电压
								3φ230V
								机器频率
								50Hz

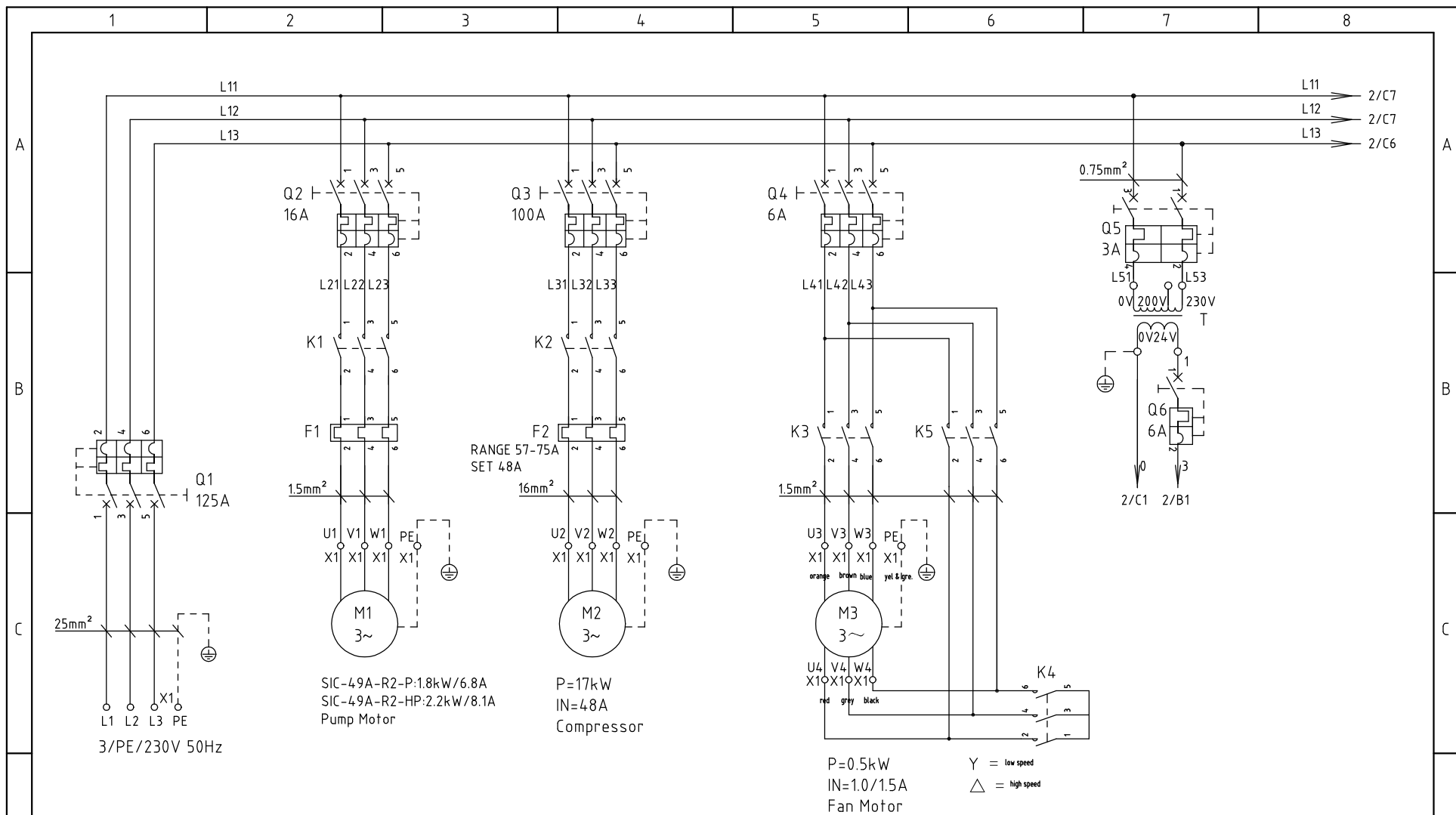
1		2		3		4		5		6		7		8		
N0.	Symbol	Name			Manufacturer		Type		Specification			Number	Material number		Remark	
A	26	X2	Terminal board			HONEYWELL		SK2.5		2.5mm ²			2	YE60002503200		(2)
	27		Terminal board			HONEYWELL		GK2.5		2.5mm ² PE			1	YE60002503400		(2)
	28		Terminal board			HONEYWELL		SK2.5		2.5mm ²			2	YE60002503200		(3)
	29		Terminal board			HONEYWELL		SK2.5		2.5mm ²			3	YE60002503200		(4)
	30		Terminal board			HONEYWELL		SK2.5		2.5mm ²			2	YE60002503200		(5)
	31	Y1	Solenoid valve			----		----		24 VAC			1	----		(1)
	32	Y2	Solenoid valve			----		----		24 VAC			1	----		(1)
B	33	M1	Pump motor			----		----		230V 50/60Hz 1.1KW			1	---- SIC-25A-R2-P		(1)
	34	M1	Pump motor			----		----		230V 50/60Hz 1.1KW			1	---- SIC-25A-R2-HP		(1)
	35	M2	Compressor			----		----		230V 50/60Hz 8.57kW			1	----		(1)
	36	M3 M4	Fan motor			----		----		230V 50/60Hz 0.23kW			2	----		(1)
	37	EH1	Crankcase heating belt			----		----		24 VAC 35W			1	----		(1)
C																
D																
机型版本Ver. A		Note: (1) Materials not in the control box; (2) Optional liquid pipe valve; (3) Optional water level switch; (4) Optional flow sensor; (5) Optional remote switch:														
					制图		版号	A	标题 SIC-25A-R2		图号 SIC-25A-R2-CE-230V-A-6		比例		第 6 张	
					设计		核		电气元件明细表二				标准	CE	共 6 张	
					校对		准		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压 机器频率		3φ230V 50Hz			
标记	更改前	更改后	更改人	日期	审核		日期	20200930								
1		2		3		4		5		6		7		8		

1		2		3		4		5		6		7		8		
NO.	Symbol	Name			Manufacturer		Type		Specification			Number	Material number		Remark	
A	1	Q1	Main power switch			EATON		P3-63/EA/SVB		63A			1	YE10636300000		
	2	Q2	Circuit breaker			TECO		BM-63C/3016S		16A			1	YE40301603000		
	3	Q3	Circuit breaker			TECO		BM-100D/3080S		80A			1	YE40308003000		
	4	Q4	Circuit breaker			TECO		BM-63C/3006S		6A			1	YE40300603000		
	5	Q5	Circuit breaker			TECO		BM-63C/2003S		3A			1	YE40200203000		
	6	Q6	Circuit breaker			TECO		BM-63C/1003S		3A			1	YE40100203000		
	7	K1	Contactor			SIEMENS		3RT6017-1AB01		24VAC			1	YE00601702500		
B	8		Auxiliary contact			SIEMENS		3RH6911-1HA22		2NO+2NC			1	YE00691100000		
	9	K3 K4 K5	Contactor			SIEMENS		3RT6015-1AB01		24VAC			3	YE00601502500		
	10	K2	Contactor			SIEMENS		3RT5036-1AC20		24VAC			1	YE00503602600		
	11		Auxiliary contact			SIEMENS		3RH5921-1EA11		1NO+1NC			1	YE00592103100		
	12	F1	Overload relay			SIEMENS		3RU6116-1HB0		5.5-8A			1	YE01160550000		SIC-33A-R2-P
	13	F1	Overload relay			SIEMENS		3RU6116-1JB0		7-10A			1	YE01167100000		SIC-33A-R2-HP
	14	F2	Overload relay			SIEMENS		3RU5136-4FB0		28-40A			1	YE01513600100		
	15	A1	Controller			PUNP		Single pressure water chiller controller SF317503A		AC 24V			1	YE80317506700		
C	16	T	Transformer			JIUXIN		IN=230V/200V OUT=24V		120VA			1	YE70232002400		
	17	S0	Flow sensor			----		----		----			1	----		(1)(5)
	18	S1	Water tank temp. thermal resistance			PUNP		RTD		Φ7×110mm 1/8" PT,3.5m			1	YE90711000000		
	19	S3	Anti-freeze temp. thermal resistance			PUNP		RTD		Φ4X85 4M 1/4PT			1	YE90001400700		
	20	S4	Water level switch			----		----		----			1	----		(1)(6)
	21	S6	Chilled water flow switch			----		----		----			1	----		(1)(3)
	22	S7	Cooling water flow switch			----		----		----			1	----		(1)(4)
	23	S8	High pressure sensor			----		----		----			1	----		(1)
D	24	S9	Low pressure sensor			----		----		----			1	----		(1)
	25		Terminal fittings E/GK series (honeywell)			HONEYWELL		----		----			6	YE60000003900		
	机型版本 Ver.A		Note: (1) Materials not in the control box; (2) Optional liquid pipe valve; (3) Optional chilled water flow switch; (4) Optional cooling water flow switch; (5) Optional flow sensor;(6) Optional level switch; (7) Optional remote switch;													
D					制图		版本号	0	标题 SIC-33A-R2			图号			比例	第 4 张
					设计		核	准	电气元件明细表一			SIC-33A-R2-CE-230V-0-4			标准	CE 共 5 张
					校对				 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.			机器电压		3φ230V		
	标记	更改前	更改后	更改人	日期	审核		日期				20191014	机器频率		50Hz	
1		2		3		4		5		6		7		8		

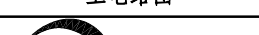
1		2	3	4	5	6	7	8
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26	S10	Comm. interface board RS-485 (double Dsub-9pin connector)	YUYUN	----	----	1	YE90048501200	(1)
27		Shell RS-485 (SAL-700G-A-19) ver.0	BINCHENG	----	----	1	YR40048500000	(1)
28	S11	Remote switch	----	----	----	1	----	(1)(7)
29	X1	Terminal board	HONEYWELL	GK16	16.0mm ²	3	YE60001603200	
30		Earth terminal board	HONEYWELL	GK16PE	16.0mm ² PE	1	YE60001603500	
31		Terminal board	HONEYWELL	GK10	10.0mm ²	3	YE60001003200	
32		Earth terminal board	HONEYWELL	GK10PE	10.0mm ² PE	1	YE60001003500	
33		Terminal board	HONEYWELL	SK2.5	2.5mm ²	23	YE60002503200	
34		Earth terminal board	HONEYWELL	GK2.5PE	2.5mm ² PE	3	YE60002503400	
35		Terminal board	HONEYWELL	SK2.5	2.5mm ²	2	YE60002503200	(2)
36		Earth terminal board	HONEYWELL	2.5mm ² PE	----	1	YE60002503400	(2)
37		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(3)
38		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(4)
39		Terminal board	HONEYWELL	SK2.5	----	3	YE60002503200	(5)
40		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(6)
41		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(7)
42	Y1	Solenoid valve	----	----	24VAC	1	----	(1)
43	Y2	Solenoid valve	----	----	24VAC	1	----	(1)(2)
44	M1	Pump motor	----	----	230V 50/60Hz 1.5KW	1	---- SIC-33A-R2-P	(1)
45	M1	Pump motor	----	----	230V 50/60Hz 2.2KW	1	---- SIC-33A-R2-HP	(1)
46	M2	Compressor	----	----	230V 50/60Hz 11.6kW	1	----	(1)
47	M3	Fan motor	----	----	230V 50/60Hz 0.5kW	2	----	(1)
48	EH1	Crankcase heating belt	----	----	24VAC 35W	1	----	(1)
机型版本 Ver.A		Note: (1) Materials not in the control box; (2) Optional liquid pipe valve; (3) Optional chilled water flow switch; (4) Optional cooling water flow switch; (5) Optional flow sensor;(6) Optional level switch, (7) Optional remote switch;						
				制图		版号	0	标题 SIC-33A-R2
				设计		核		图号 SIC-33A-R2-CE-230V-0-5
				校对		准		比例
标记	更改前	更改后	更改人	日期	审核	日期	20191014	标准 CE
1	2	3	4	5	6	7	8	第 5 张
								共 5 张
								机器电压 3φ230V
								机器频率 50Hz



信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.

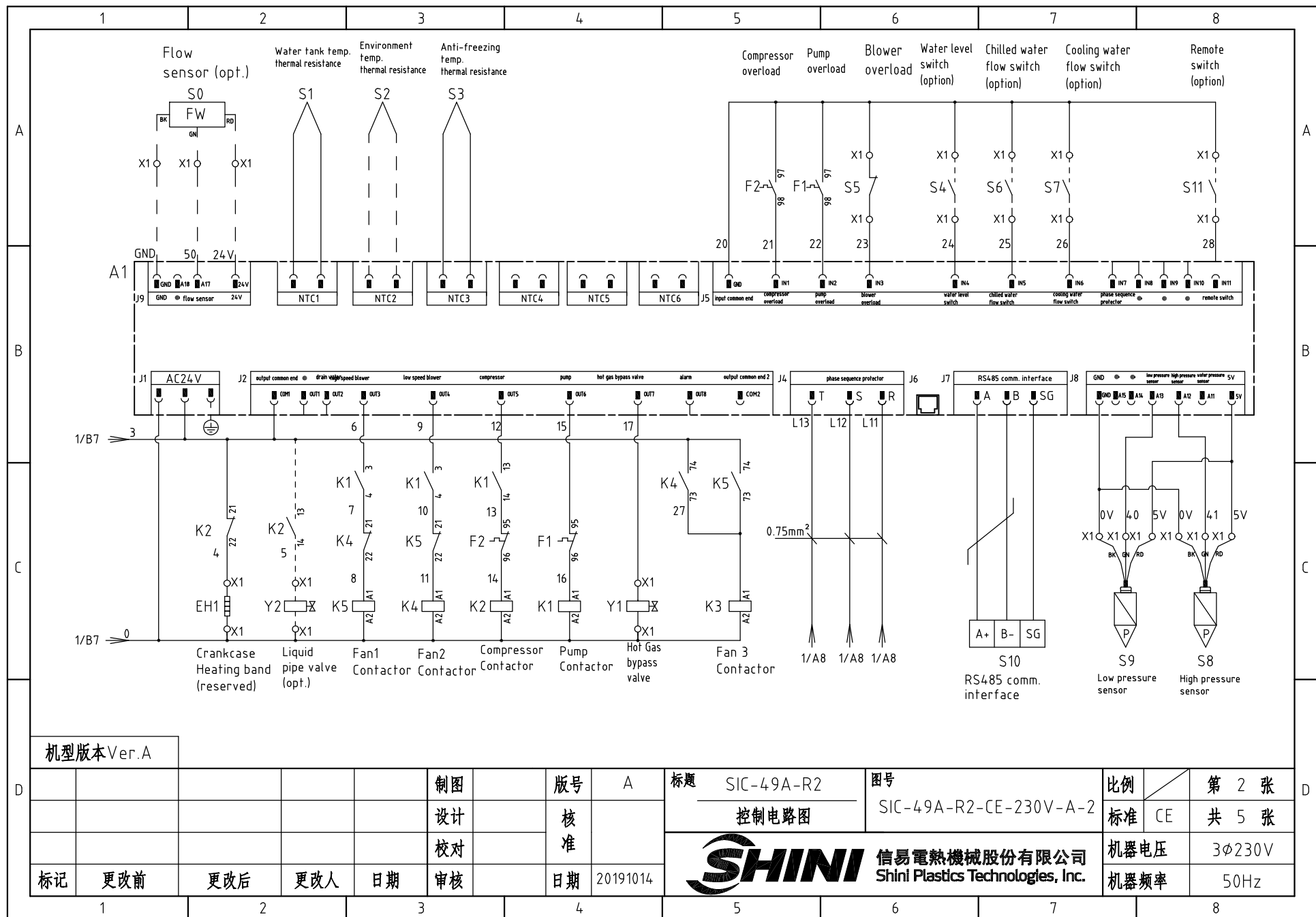


机型版本 Ver.A

					制图		版号	A	标题 SIC-49A-R2 主电路图	图号 SIC-49A-R2-CE-230V-A-1	比例		第 1 张
					设计		核准				标准	CE	共 5 张
					校对						机器电压	3φ230V	
标记	更改前	更改后	更改人	日期	审核		日期	20191014	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	机器频率	50Hz		
1		2		3		4		5		6	7	8	



信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.



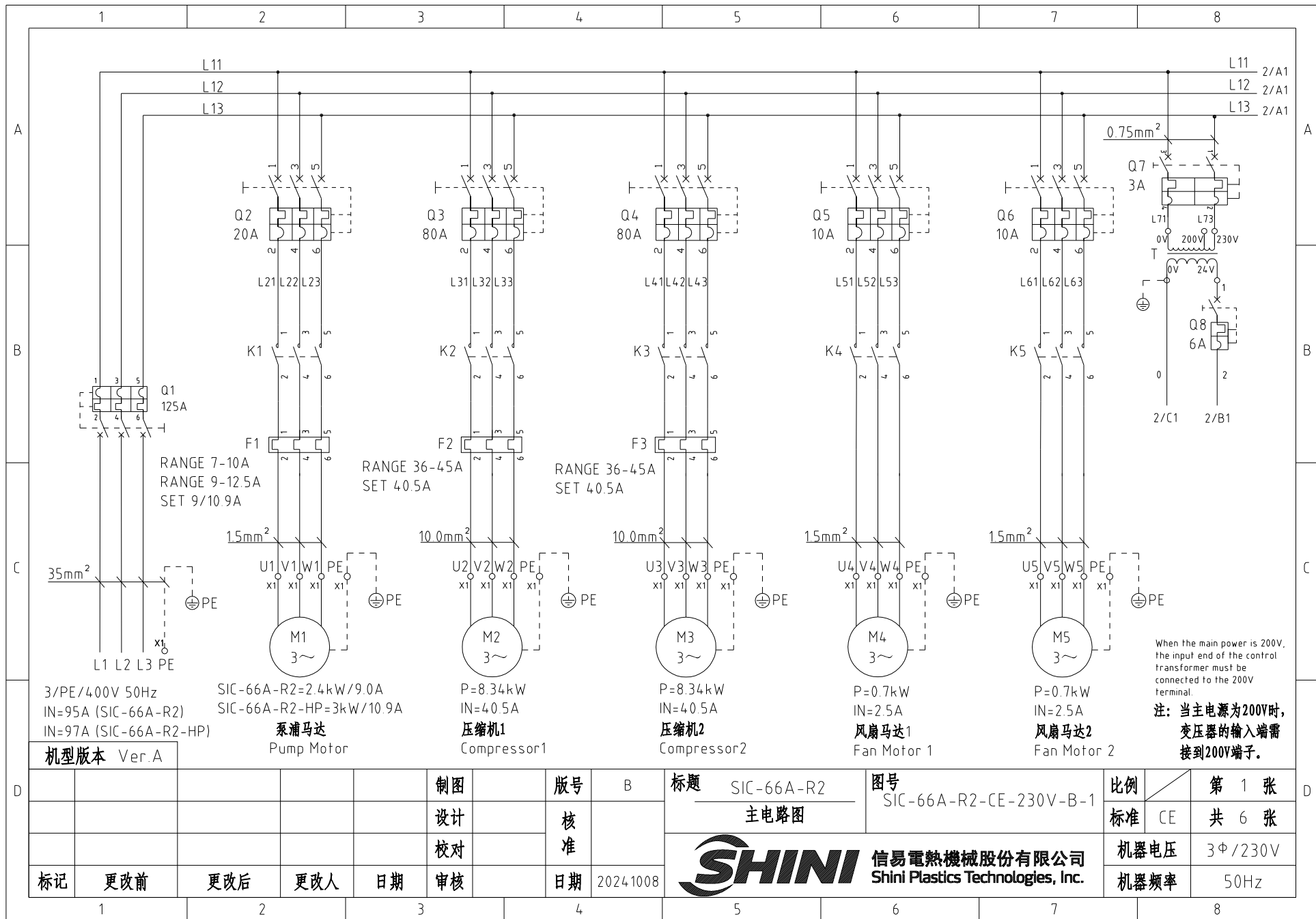
机型版本 Ver.A

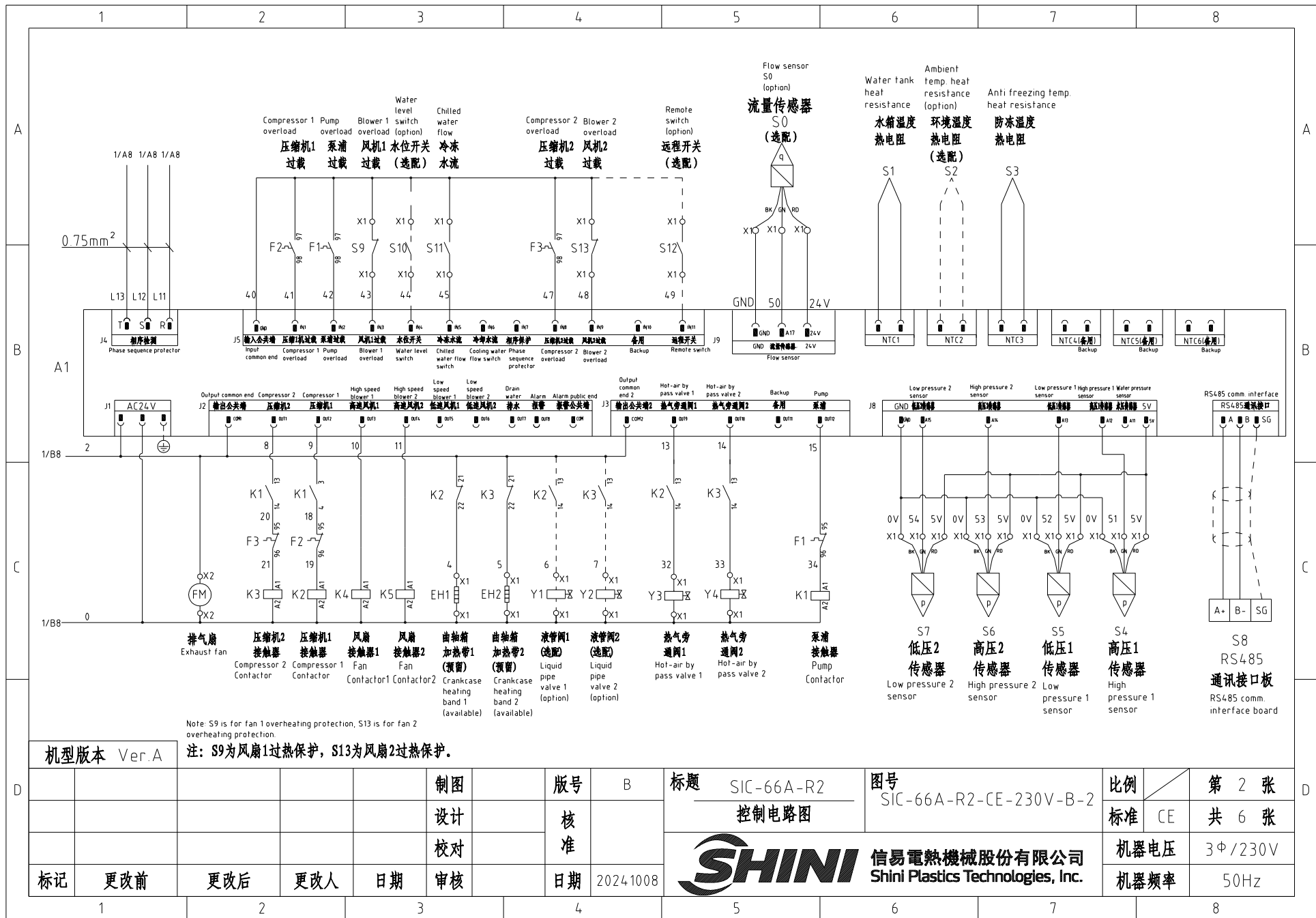
制图	版号	A	标题	SIC-49A-R2	图号	SIC-49A-R2-CE-230V-A-2	比例	第 2 张
设计	核准		控制电路图				标准	CE
校对	核准						机器电压	3φ230V
标记	更改前	更改后	更改人	日期	20191014		机器频率	50Hz

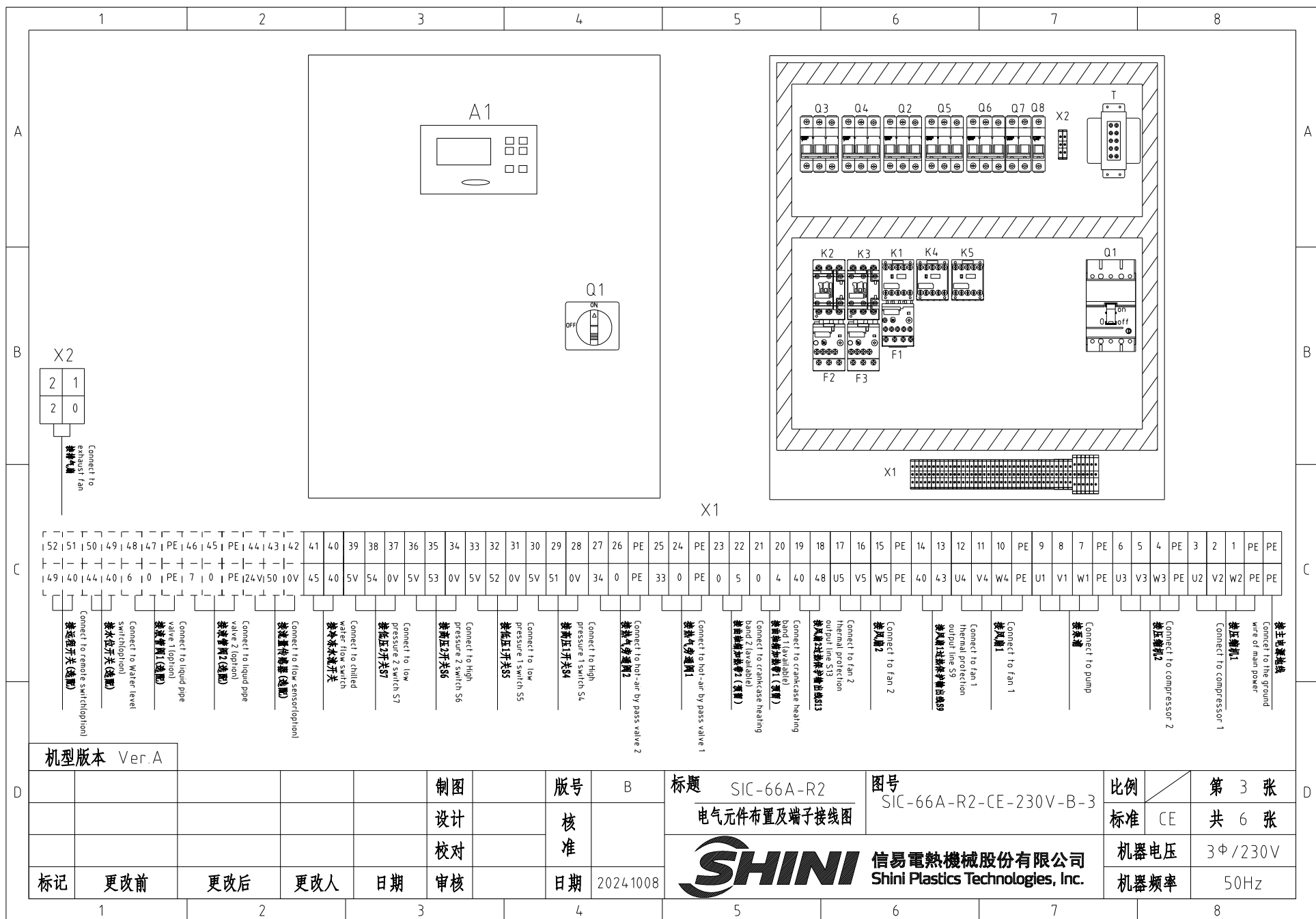
SHINI 信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.

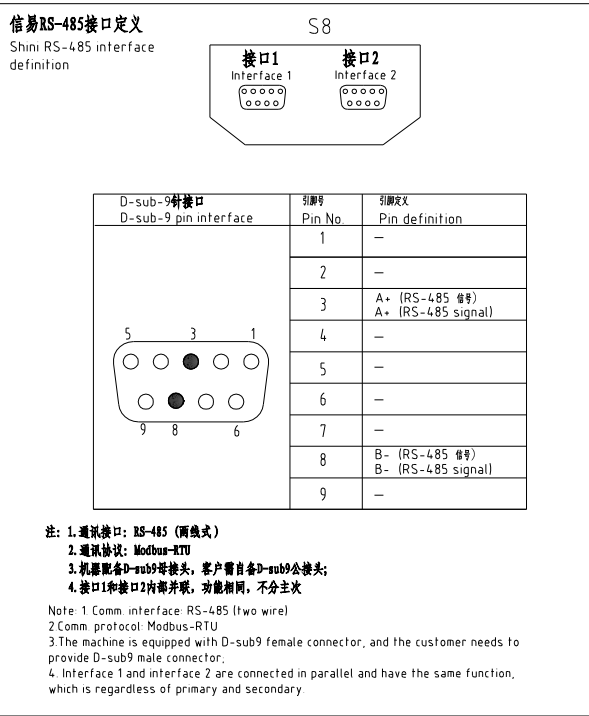
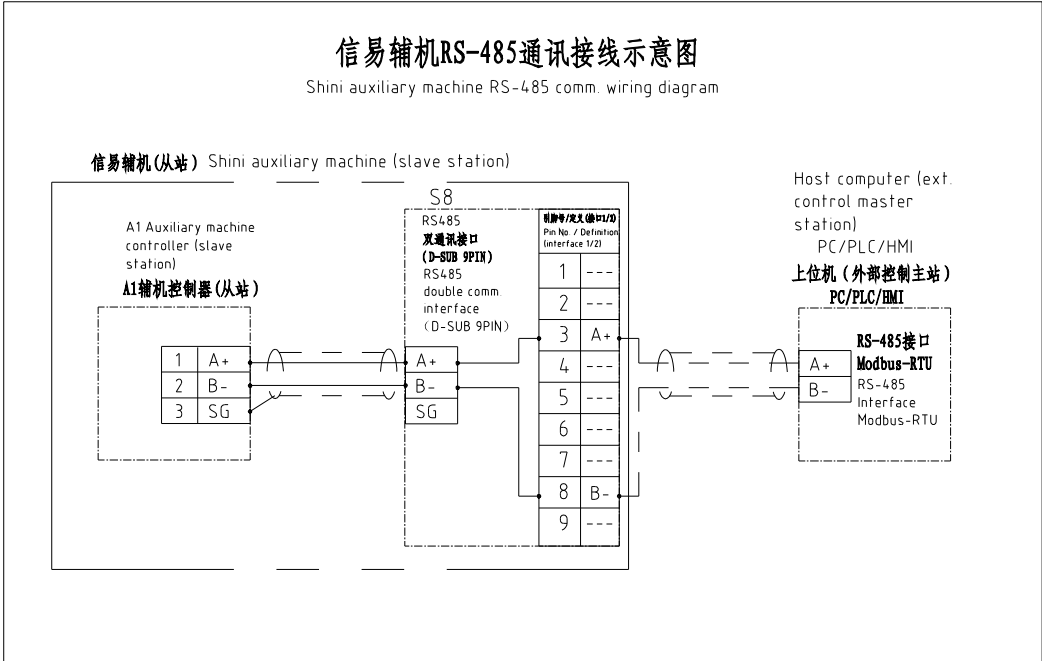
1		2		3		4		5		6		7		8	
N0.	Symbol	Name			Manufacturer		Type		Specification		Number	Material number		Remark	
A	1	Q1	Main power switch			ABB		A1A125TMF125/12503PFF		125A		1	YE41161400000		
	2	Q2	Circuit breaker			TECO		BM-63C/3016S		16A		1	YE40301603000		
	3	Q3	Circuit breaker			TECO		BM-100D/30100S		100A		1	YE40310003000		
	4	Q4	Circuit breaker			TECO		BM-63C/3006S		6A		1	YE40300603000		
	5	Q5	Circuit breaker			TECO		BM-63C/2003S		3A		1	YE40200203000		
	6	K1	Contactor			SIEMENS		3RT6017-1AB01		24V/AC		1	YE00601702500		
	7		Auxiliary contact			SIEMENS		3RH6911-1HA22		2NC+2NO		1	YE00691100000		
B	8	K2	Contactor			SIEMENS		3RT5044-1AC20		24V/AC		1	YE00504402600		
	9		Auxiliary contact			SIEMENS		3RH5921-1CA01		1NC		1	YE00592110100		
	10		Auxiliary contact			SIEMENS		3RH5921-1CA10		1NO		1	YE00592110000		(2)
	11	K3 K4 K5	Contactor			SIEMENS		3RT6015-1AB01		24V/AC		3	YE00601502500		
	12		Auxiliary contact			SIEMENS		3RH6911-1AA11		1NO+1NC		2	YE00691100100		
	13	F1	Overload relay			SIEMENS		3RU6116-1HB0		5.5-8A		1	YE01160550000		SIC-49A-R2-P
	14	F1	Overload relay			SIEMENS		3RU6116-1JB0		7-10A		1	YE01167100000		SIC-49A-R2-HP
C	15	F2	Overload relay			SIEMENS		3RU5146-4HB0		36-50A		1	YE01514630000		
	16	A1	Controller			PUNP		Single pressure water chiller controller SF317503A		AC 24V		1	YE80317506700		
	17	T	Transformer			JIUXIN		IN=230V/200V OUT=24V		180VA		1	YE70023005400		
	18	S0	Flow sensor			----		----		----		1	----		(1)(5)
	19	S1	Water tank temp. thermal resistance			PUNP		RTD		Φ7×110mm 1/8" PT,3.5m		1	YE90711000000		
	20	S3	Anti-freeze temp. thermal resistance			PUNP		RTD		Φ4×85 4M 1/4PT		1	YE90001400700		
	21	S4	Water level switch			----		----		----		1	----		(1)(6)
D	22	S6	Cooling water flow switch			----		----		----		1	----		(1)(3)
	23	S7	Cooling water flow switch			----		----		----		1	----		(1)(4)
	24	S8	High pressure sensor			----		----		----		1	----		(1)
	25	S9	Low pressure sensor			----		----		----		1	----		(1)
机型版本 Ver.A		Note: (1) Materials not in the control box; (2) Optional liquid pipe valve; (3) Optional chilled water flow switch; (4) Optional cooling water flow switch; (5) Optional flow sensor;(6) Optional level switch, (7) Optional remote switch;													
					制图		版本号	A	标题		图号		比例		第 4 张
					设计		核		SIC-49A-R2		SIC-49A-R2-CE-230V-A-4		标准	CE	共 5 张
					校对		准		SHINI		信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压	3φ230V	
标记	更改前	更改后	更改人	日期	审核		日期	20191014					机器频率	50Hz	
1		2		3		4		5		6		7		8	

1		2	3	4	5	6	7	8
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26	S10	Comm. interface board RS-485 (double Dsub-9pin connector)	YUYUN	----	----	1	YE90048501200	(1)
27		Shell RS-485 (SAL-700G-A-19) ver.0	BINCHENG	----	----	1	YR40048500000	(1)
28	S11	Remote switch	----	----	----	1	----	(1)(7)
29	X1	Earth terminal board	HONEYWELL	35mm ² PE	----	1	YE60003503500	
30		Terminal board	HONEYWELL	GK16	16.0mm ²	3	YE60001603200	
31		Earth terminal board	HONEYWELL	GK16PE	16.0mm ² PE	1	YE60001603500	
32		Terminal board	HONEYWELL	2.5mm ²	----	23	YE60002503200	
33		Earth terminal board	HONEYWELL	2.5mm ² PE	----	4	YE60002503400	
34		Terminal board	HONEYWELL	2.5mm ²	----	2	YE60002503200	(2)
35		Earth terminal board	HONEYWELL	2.5mm ² PE	----	1	YE60002503400	(2)
36		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(3)
37		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(4)
38		Terminal board	HONEYWELL	SK2.5	----	3	YE60002503200	(5)
39		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(6)
40		Terminal board	HONEYWELL	SK2.5	----	2	YE60002503200	(7)
41	Y1	Solenoid valve	----	----	24V/AC	2	----	(1)
42	Y2	Solenoid valve	----	----	24V/AC	2	----	(1)(2)
43	M1	Pump motor	----	----	230V 50/60Hz 1.8KW	1	---- SIC-49A-R2-P	(1)
44	M1	Pump motor	----	----	230V 50/60Hz 2.2KW	1	---- SIC-49A-R2-HP	(1)
45	M2	Compressor	----	----	230V 50/60Hz 17kW	1	----	(1)
46	M3	Fan motor	----	----	230V 50/60Hz 0.5kW	1	----	(1)
47	EH1	Crankcase heating belt	----	----	24V/AC 35W	1	----	(1)
48		Terminal fittings E/GK series (honeywell)	HONEYWELL	----	PCS	6.000	YE60000003900	
机型版本 Ver. A		Note: (1) Materials not in the control box; (2) Optional liquid pipe valve; (3) Optional chilled water flow switch; (4) Optional cooling water flow switch; (5) Optional flow sensor; (6) Optional level switch; (7) Optional remote switch;						
D				制图		版号	A	标题
				设计		核		SIC-49A-R2
				校对		准		电气元件明细表二
	标记	更改前	更改后	更改人	日期	审核	日期	20191014
图号		比例		第 5 张		共 5 张		
SIC-49A-R2-CE-230V-A-5		标准		CE		机器电压		3φ230V
SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器频率		50Hz				

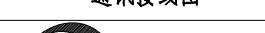






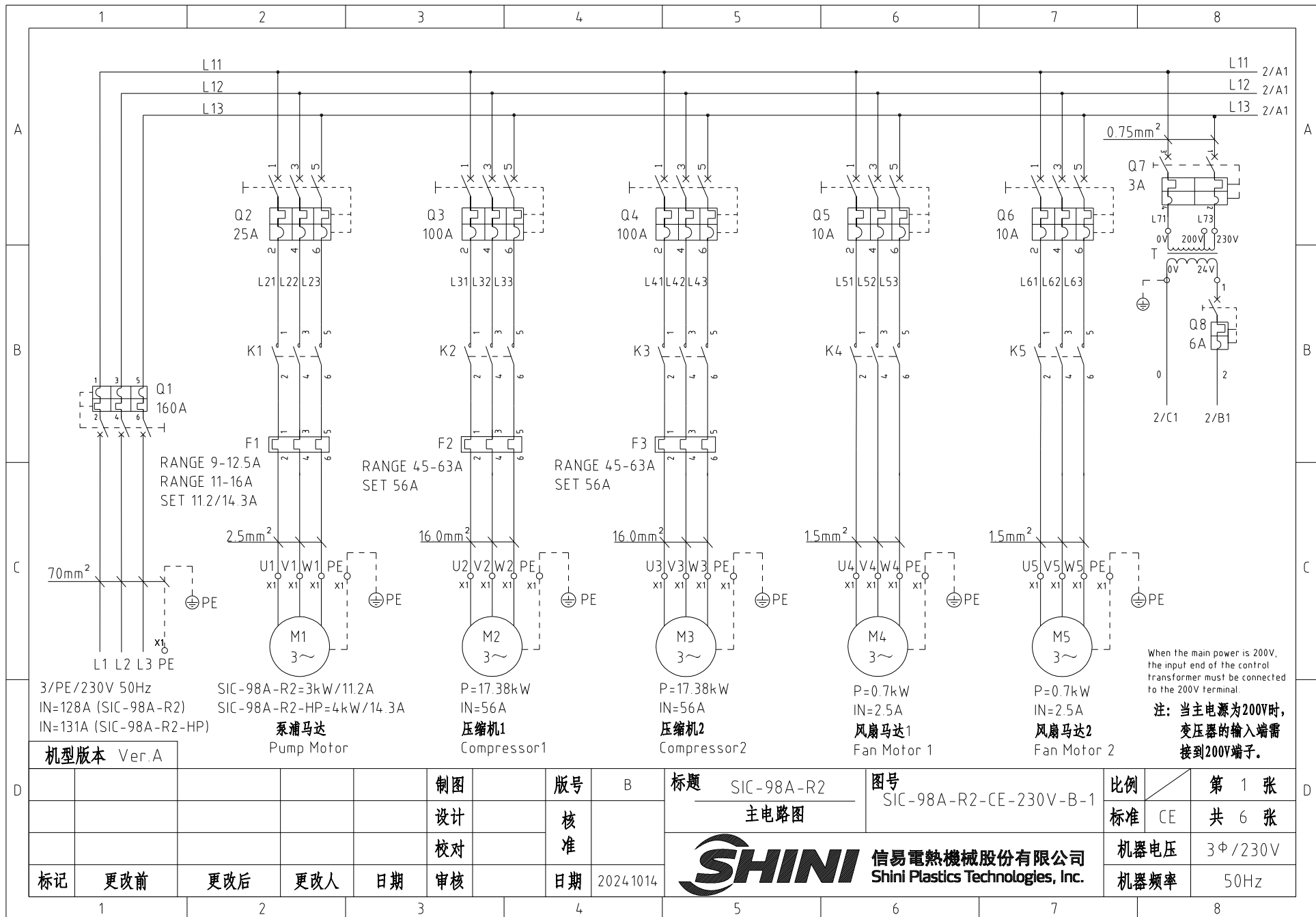


机型版本 Ver.A

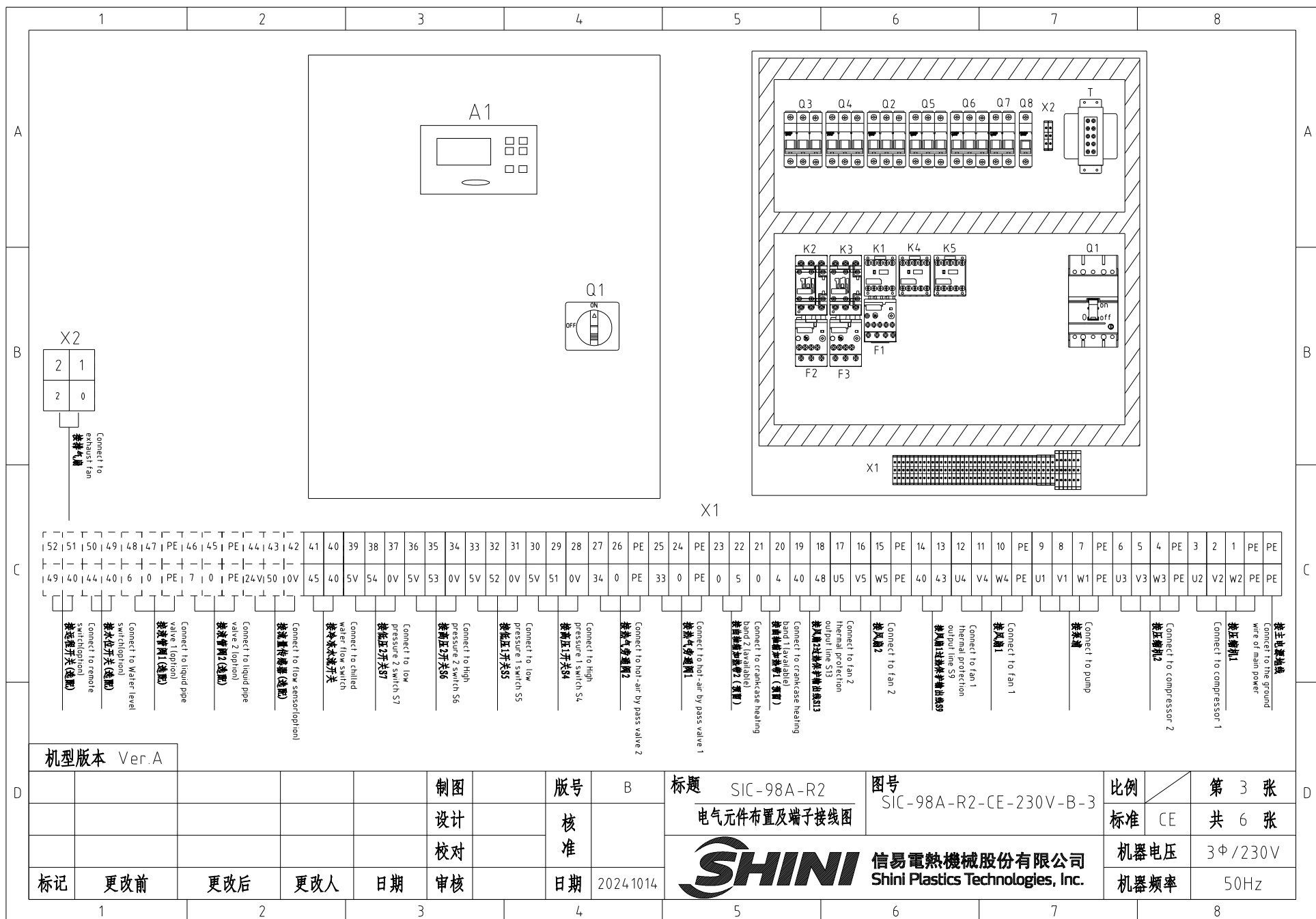
					制图		版号	B	标题	SIC-66A-R2	图号	SIC-66A-R2-CE-230V-B-4	比例		第 4 张
					设计		核 准			通讯接线图			标准		CE
					校对						信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	机器电压	3Φ/230V		
标记	更改前	更改后	更改人	日期	审核	日期	2024.10.08		机器频率			50Hz			

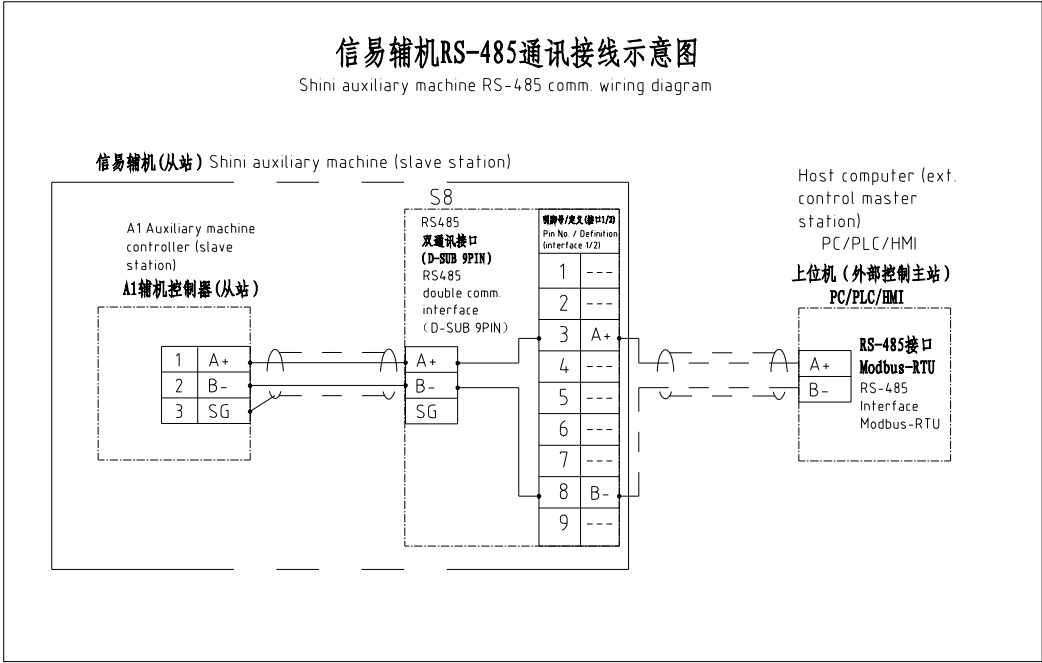
1		2		3		4		5		6		7		8		
序号/NO	符号/Symbol	名称/Name			制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark	
A	1	Q1	门连锁断路器/Break Interlock			TECO		TAX-125L3125 3P		125A		PCS	1	YE40125301100		
	2		断路器外部操作把手 External circuit breaker handle			TECO		FB1R-CS1-C-D1(TAX-125)		----		PCS	1	YE90111100300		
	3	Q2	断路器/Circuit breaker			TECO		BM-63C/3020S		20A		PCS	1	YE40302003000		
	4	Q3 Q4	断路器/Circuit breaker			TECO		FBBM-100D/3080T		D80A		PCS	2	YE40308003000		
	5	Q5 Q6	断路器/Circuit breaker			TECO		BM-63C/3010S		10A		PCS	2	YE40301003000		
	6	Q7	断路器/Circuit Breakers			TECO		BM-63C/2003S		3A		PCS	1	YE40200203000		
	7	Q8	断路器/Circuit Breakers			TECO		BM-63C/1006S		6A		PCS	1	YE40100600100		
B	8	K1	接触器/Contactor			SIEMENS		3RT6017-1AB01		24 VAC		PCS	1	YE00601702500		
	9		辅助触点/Auxiliary contactor			SIEMENS		3RH6911-1HA11		1NO+1NC		PCS	1	YE00691100100		
	10	K2 K3	接触器/Contactor			SIEMENS		3RT5036-1AC20		24 VAC		PCS	2	YE00503602600		
	11		辅助触点/Auxiliary contactor			SIEMENS		3RH5921-1CA10		1NO		PCS	2	YE00592110000		
	12		辅助触点/Auxiliary contactor			SIEMENS		3RH5921-1CA01		1NC		PCS	2	YE00592110100		
	13	K4 K5	接触器/Contactor			SIEMENS		3RT6015-1AB01		24 VAC		PCS	2	YE00601502500		
	14	F1	热过载继电器/Overload relay			SIEMENS		3RU6116-1JB0		7-10 A		PCS	1	YE01167100000		SIC-66A-R2
C	15	F1	热过载继电器/Overload relay			SIEMENS		3RU6116-1KB0		9-12 5A		PCS	1	YE01169125000		SIC-66A-R2-HP
	16	F2 F3	热过载继电器/Overload relay			SIEMENS		3RU5136-4GB0		36-45A		PCS	2	YE01612660000		
	17	A1	控制器/Controller			PUNP		双压机冷水机控制器 Double-compressor water chiller controller SF317506A		AC 24V		PCS	1	YE80317500100		
	18	T	变压器/Transformer			JIUXIN		IN=200/230V OUT=24V		180VA		PCS	1	YE70023005400		
	19	S1 S3	防冻温度热电阻/Anti-frozen RTD			PUNP		RTD		4X85 4M 1/4PT		PCS	2	YE90001400700		
	20	S8	通信接口板(RS-485)(双芯双绞线) Communication interface board RS-485 (double braid-shield connector)			YUYUN		----		----		PCS	1	YE90048501200		(1)
	21		外壳RS485(SAL-700G-A-19)0版 Shell RS485(SAL-700G-A-19)0			BINCHENG		----		----		PCS	1	YR40048500000		(1)
D	22	X1 X2	端子排/Terminal board			HONEYWELL		SK2.5		2.5mm2		PCS	36	YE60002503200		
	23		端子排/Terminal board			HONEYWELL		GK10		10mm2		PCS	6	YE60001003200		
	24		接地端子排/Grounding terminal board			HONEYWELL		GK10PE		10mm PE		PCS	2	YE60001003500		
	25		接地端子排/Grounding terminal board			HONEYWELL		GK16PE		16mm PE		PCS	1	YE60001603500		
机型版本 Ver.A		注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀, (5)选配流量传感器。 Notes: (1)Means it's not the material inside the control box. (2)Optional water level switch. (3)Optional remote switch. (4) Optional liquid pipe valve. (5) Optional flow sensor.														
					制图		版号	B	标题 SIC-66A-R2 电气元件明细表		图号 SIC-66A-R2-CE-230V-B-5		比例		第 5 张	
					设计		核						标准	CE	共 6 张	
					校对		准		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.				机器电压	3Φ/230V		
标记	更改前	更改后	更改人	日期	审核		日期	2024.10.08					机器频率	50Hz		
1		2		3		4		5		6		7		8		

1		2		3		4		5		6		7		8			
序号/NO	符号/Symbol	名称/Name				制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark	
A	26	接地端子排/Grounding terminal board				HONEYWELL		GK2.5		2.5mm PE		PCS	5	YE60002503400			
	27	终端固定件/B系列(霍尼韦尔) Terminal fittings B/GX series(honeywell)				HONEYWELL		----		----		PCS	6	YE60000003900			
	28	端子排/Terminal board				HONEYWELL		SK2.5		2.5mm ²		PCS	2	YE60002503200		(2)	
	29	端子排/Terminal board				HONEYWELL		SK2.5		2.5mm ²		PCS	2	YE60002503200		(3)	
	30	接地端子排/Grounding terminal board				HONEYWELL		GK2.5		2.5mm PE		PCS	2	YE60002503400		(4)	
	31	端子排/Terminal board				HONEYWELL		SK2.5		2.5mm ²		PCS	3	YE60002503200		(4)	
	32	端子排/Terminal board				HONEYWELL		SK2.5		2.5mm ²		PCS	2	YE60002503200		(5)	
B	33	Y1 Y2	液管阀/Liquid pipe valve				----		----		24VAC		PCS	2	----		(1) (4)
	34	Y3 Y4	电磁阀/Solenoid valve				----		----		24VAC		PCS	2	----		(1)
	35	M1	泵浦马达/Pump motor				----		----		230V 50/60H 2.4KW		PCS	1	SIC-66A-R2		(1)
	36	M1	泵浦马达/Pump motor				----		----		230V 50/60Hz 3KW		PCS	1	SIC-66A-R2-HP		(1)
	37	M2 M3	压缩机/Compressor				----		----		230V 50/60Hz 8.34kW		PCS	2	----		(1)
	38	M4 M5	风扇马达/Fan motor				----		----		230V 50/60Hz 0.7kW		PCS	2	----		(1)
	39	EH1 EH2	曲轴箱加热带/Crankcase heating band				----		----		24VAC 35W		PCS	2	----		(1)
C	40	S12	远程开关/Remote switch				----		----		----		PCS	1	----		(1) (3)
	41	S0	流量传感器/Flow sensor				----		----		----		PCS	1	----		(1) (5)
	42	S10	水位开关/Water level switch				----		----		----		PCS	1	----		(1) (2)
	43	S11	冷冻水流开关/Chilled water flow switch				----		----		----		PCS	1	----		(1)
	44	S4 S6	高压传感器/High pressure sensor				----		----		----		PCS	2	----		(1)
	45	S5 S7	低压传感器/Low pressure sensor				----		----		----		PCS	2	----		(1)
Notes: (1)Means it's not the material inside the control box. (2)Optional water level switch. (3)Optional remote switch. (4) Optional liquid pipe valve. (5) Optional flow sensor.																	
机型版本 Ver.A		注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀, (5)选配流量传感器。															
D					制图		版号	B	标题 SIC-66A-R2		图号 SIC-66A-R2-CE-230V-B-6		比例	第 6 张		D	
					设计		核		电气元件明细表二				标准	CE	共 6 张		
					校对		准		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压 3Φ/230V		机器频率 50Hz				
	标记	更改前	更改后	更改人	日期	审核	日期	2024.10.08									
1		2		3		4		5		6		7		8			









信易RS-485接口定义
Shini RS-485 interface definition

S8

接口1 Interface 1
接口2 Interface 2

D-sub-9针接口 D-sub-9 pin interface	引脚号 Pin No	引脚定义 Pin definition
	1	—
	2	—
	3	A+ (RS-485 信号) A+ (RS-485 signal)
	4	—
	5	—
	6	—
	7	—
	8	B- (RS-485 信号) B- (RS-485 signal)
	9	—

注: 1. 通讯接口: RS-485 (两线式)
2. 通讯协议: Modbus-RTU
3. 机器配备D-sub9母接头, 客户需自备D-sub9公接头;
4. 接口1和接口2内部并联, 功能相同, 不分主次

Note: 1 Comm. interface: RS-485 (two wire)
2 Comm. protocol: Modbus-RTU
3 The machine is equipped with D-sub9 female connector, and the customer needs to provide D-sub9 male connector;
4 Interface 1 and interface 2 are connected in parallel and have the same function, which is regardless of primary and secondary

机型版本 Ver.A

					制图		版号	B	标题	SIC-98A-R2	图号	SIC-98A-R2-CE-230V-B-4	比例		第 4 张
					设计		核 准			通讯接线图		标准	CE		共 6 张
					校对					 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	机器电压	3Φ/230V			
标记	更改前	更改后	更改人	日期	审核		日期	2024.10.14	机器频率		50Hz				

1		2		3		4		5		6		7		8		
序号/NO	符号/Symbol	名称/Name			制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark	
A	1	Q1	门连锁断路器/Break Interlock			TECO		TAX-250L3160 3P		160A		PCS	1	YE40250300400		
	2		断路器外部操作把手 External operating handle			TECO		FB2R-CS1-C-D1(TAX-250)		----		PCS	1	YE90211200300		
	3	Q2	断路器/Circuit breaker			TECO		BM-63C/3025S		25A		PCS	1	YE40302503000		
	4	Q3 Q4	断路器/Circuit breaker			TECO		FBBM-100D/3100T		100A 3P		PCS	2	YE40310003000		
	5	Q5 Q6	断路器/Circuit breaker			TECO		BM-63C/3010S		10A		PCS	2	YE40301003000		
	6	Q7	断路器/Circuit Breakers			TECO		BM-63C/2003S		3A		PCS	1	YE40200203000		
	7	Q8	断路器/Circuit Breakers			TECO		BM-63C/1006S		6A		PCS	1	YE40100600100		
B	8	K1	接触器/Contactor			SIEMENS		3RT6018-1AB01		24VAC		PCS	1	YE00601802500		
	9		辅助触点/Auxiliary contactor			SIEMENS		3RH6911-1HA11		1NO+1NC		PCS	2	YE00691100100		
	10	K2 K3	接触器/Contactor			SIEMENS		3RT5044-1AC20		24VAC		PCS	2	YE00504402600		
	11		辅助触点/Auxiliary contactor			SIEMENS		3RH5921-1CA10		1NO		PCS	2	YE00592110000		
	12		辅助触点/Auxiliary contactor			SIEMENS		3RH5921-1CA01		1NC		PCS	2	YE00592110100		
	13	K4 K5	接触器/Contactor			SIEMENS		3RT6015-1AB01		24VAC		PCS	2	YE00601502500		
	14	F1	热过载继电器/Overload relay			SIEMENS		3RU6116-1KB0		9-12.5A		PCS	1	YE01169125000		SIC-98A-R2
C	15	F1	热过载继电器/Overload relay			SIEMENS		3RU6116-4AB0		11-16A		PCS	1	YE01611640000		SIC-98A-R2-HP
	16	F2 F3	热过载继电器/Overload relay			SIEMENS		3RU5146-4JB0		4.5-63A		PCS	2	YE01514640000		
	17	A1	控制器/Controller			PUNP		冷水机控制器 Chiller controller SF317504A		AC 24V		PCS	1	YE80317500100		
	18	T	变压器/Transformer			JIUXIN		IN=200/230V OUT=24V		180VA		PCS	1	YE70023005400		
	19	S1 S3	防冻温度热电阻/Anti freezing temp. heat resistance			PUNP		RTD		4X85 4M 1/4PT		PCS	2	YE90001400700		
	20	S8	通信接口RS-485(双芯双绞线) Communication interface board RS-485 (double braid-jin connector)			YUYUN		----		----		PCS	1	YE90048501200		(1)
	21		外壳RS485(SAL-700G-A-19)0版 Shell RS485(SAL-700G-A-19)0			BINCHENG		----		----		PCS	1	YR40048500000		(1)
D	22	X1 X2	端子排/Terminal board			HONEYWELL		SK2.5		2.5mm2		PCS	36	YE60002503200		
	23		接地端子排/Grounding terminal board			HONEYWELL		GK16PE		16.0mm PE		PCS	2	YE60001603500		
	24		接地端子排/Grounding terminal board			HONEYWELL		GK35PE		35.0mm PE		PCS	1	YE60003503500		
	25		端子排/Terminal board			HONEYWELL		GK16		16.0mm2		PCS	6	YE60001603200		
	机型版本 Ver.A		注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀, (5)选配流量传感器。 Notes: (1)Means it's not the material inside the control box (2)Optional water level switch (3)Optional remote switch (4) Optional liquid pipe valve (5) Optional flow sensor.													
				制图		版本号 B		标题 SIC-98A-R2		图号		比例		第 5 张		
				设计		核准		电气元件明细表		SIC-98A-R2-CE-230V-B-5		标准 CE		共 6 张		
				校对						信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		机器电压		3Φ/230V		
标记 更改前		更改后		更改人		日期 2024.10.14						机器频率		50Hz		
1		2		3		4		5		6		7		8		

1		2		3		4		5		6		7		8		
序号/NO	符号/Symbol	名称/Name			制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark	
A	26	接地端子排/Grounding terminal board			HONEYWELL		GK2.5		2.5mm PE		PCS	5	YE60002503400			
	27	端子排/Terminal board			HONEYWELL		SK2.5		2.5mm ²		PCS	2	YE60002503200		(2)	
	28	端子排/Terminal board			HONEYWELL		SK2.5		2.5mm ²		PCS	4	YE60002503200		(3)	
	29	接地端子排/Grounding terminal board			HONEYWELL		GK2.5		2.5mm PE		PCS	2	YE60002503400		(3)	
	30	端子排/Terminal board			HONEYWELL		SK2.5		2.5mm ²		PCS	3	YE60002503200		(4)	
	31	端子排/Terminal board			HONEYWELL		SK2.5		2.5mm ²		PCS	2	YE60002503200		(5)	
	32	终端固定件B/GK系列(霍尼韦尔) Terminal fittings B/GK series(honeywell)			HONEYWELL		----		----		PCS	6	YE60000003900			
B	33	Y1 Y2	液管阀/Liquid pipe valve			----		----		24VAC		PCS	2	----		(1) (4)
	34	Y3 Y4	电磁阀/Solenoid valve			----		----		24VAC		PCS	2	----		(1)
	35	M1	泵浦马达/Pump motor			----		----		230V 50/60Hz 3KW		PCS	1	SIC-98A-R2		(1)
	36	M1	泵浦马达/Pump motor			----		----		230V 50/60Hz 4KW		PCS	1	SIC-98A-R2-HP		(1)
	37	M2 M3	压缩机/Compressor			----		----		230V 50/60Hz 17.38kW		PCS	2	----		(1)
	38	M4 M5	风扇马达/Fan motor			----		----		230V 50/60Hz 0.7kW		PCS	2	----		(1)
	39	EH1 EH2	曲轴箱加热带/Crankcase heating band			----		----		24VAC 35W		PCS	2	----		(1)
C	40	S12	远程开关/Remote switch			----		----		----		PCS	1	----		(1) (3)
	41	S0	流量传感器/Flow sensor			----		----		----		PCS	1	----		(1) (5)
	42	S10	水位开关/Water level switch			----		----		----		PCS	1	----		(1) (2)
	43	S11	冷冻水流开关/Chilled water flow switch			----		----		----		PCS	1	----		(1)
	44	S4 S6	高压传感器/High pressure sensor			----		----		----		PCS	2	----		(1)
	45	S5 S7	低压传感器/Low pressure sensor			----		----		----		PCS	2	----		(1)
	Notes: (1)Means it's not the material inside the control box. (2)Optional water level switch. (3)Optional remote switch. (4) Optional liquid pipe valve. (5) Optional flow sensor.															
机型版本 Ver.A		注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀, (5)选配流量传感器。														
D					制图		版号	B	标题 SIC-98A-R2		图号 SIC-98A-R2-CE-230V-B-6		比例		第 6 张	
					设计		核		电气元件明细表二				标准	CE	共 6 张	
					校对		准		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压		3Φ/230V			
	标记	更改前	更改后	更改人	日期	审核	日期	2024.10.14			机器频率		50Hz			
1		2		3		4		5		6		7		8		