

SIC-12A-R2: 0.75kW/3.0A
 SIC-12A-P-R2: 0.75kW/3.0A
 SIC-12A-HP-R2: 1.1kW/4.2A
 Pump motor

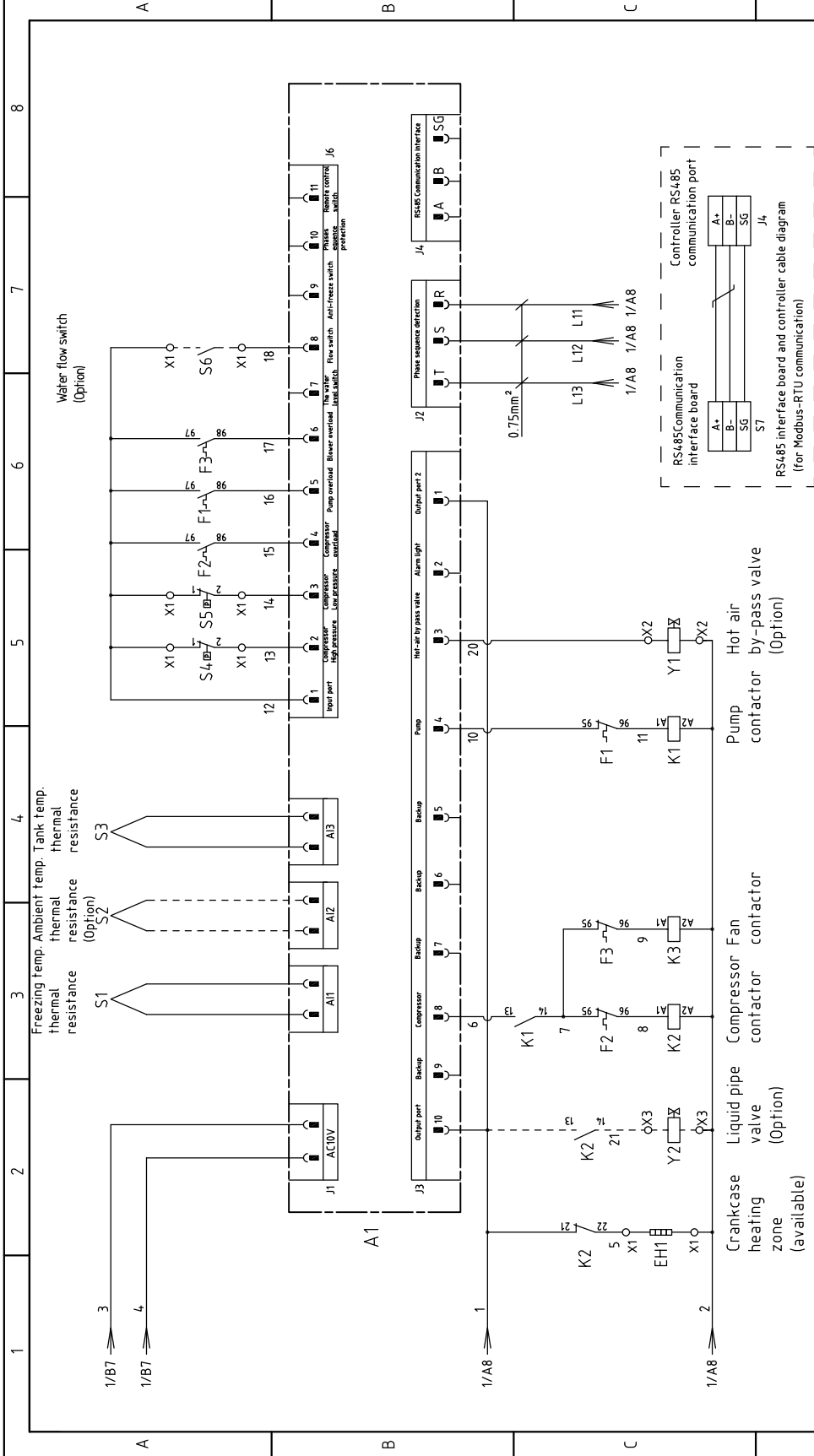
P=3.68kW
 IN=17A
 Compressor

P=0.38kW
 IN=1.5A
 Fan motor

版本 Ver.C

Drawing NO.		SIC-12A-R2		Page 1	
Title		Main Circuit Diagram		Scale	
Version		A		Standard	
Drawer		陆家权		Voltage	
Designer		陆家权		Frequency	
Proofread by				230V	
Checked by				50Hz	
Modified by				Totally 5 Pages	
After modification				Date	
Before modification				20161202	
Mark				SHINI	

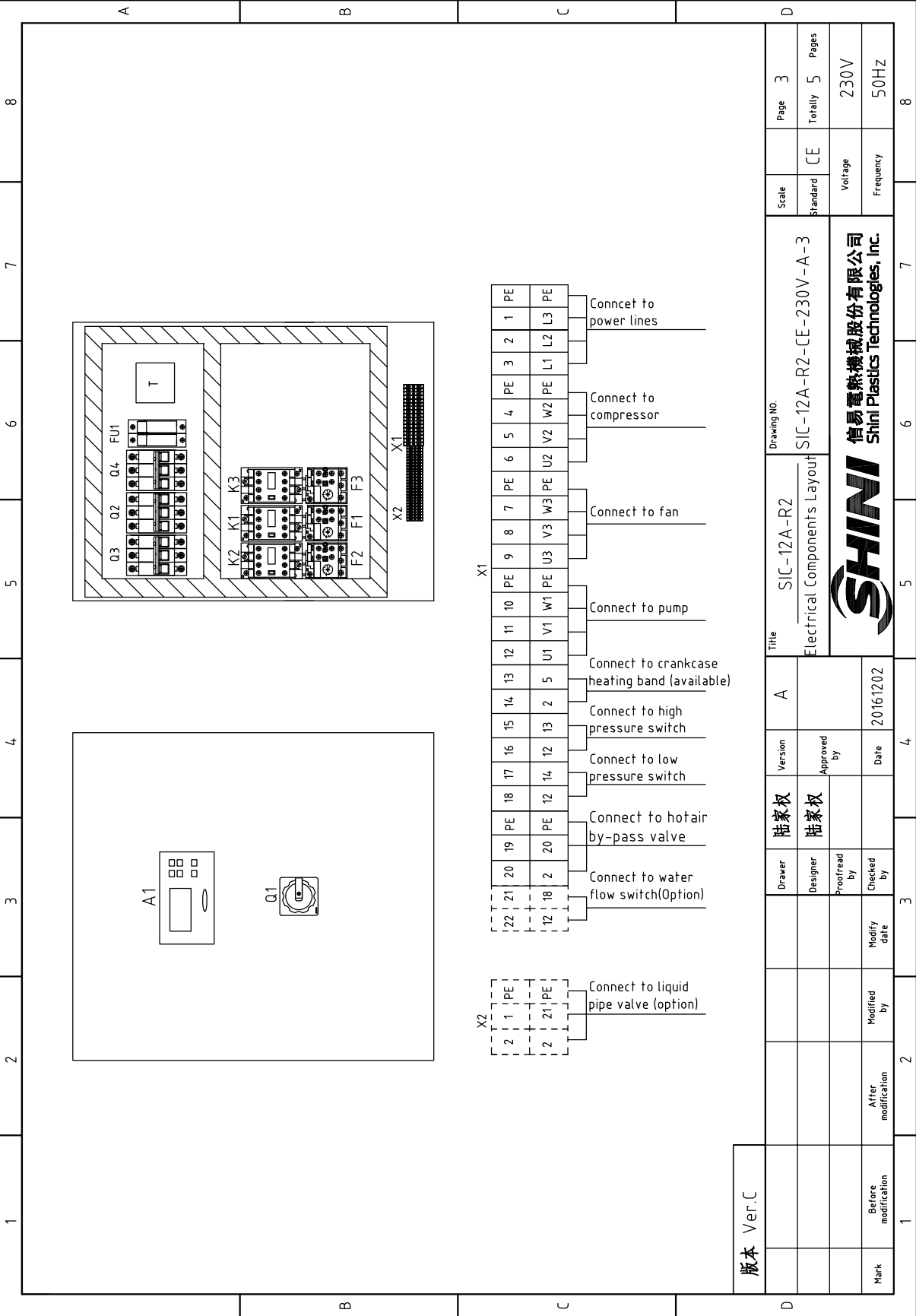




版本 Ver.C

Drawing NO.		SIC-12A-R2-CE-230V-A-2		Page 2	8
Title		SIC-12A-R2 Control Circuit Diagram		Scale	
Drawer	Version	Designer	Approved by	Standard	CE
	陆家权	陆家权		Voltage	230V
Proofread by		Checked by	Date	Frequency	50Hz
Modified by		Modify date	20161202	Totally	5 Pages
Mark	Before modification	After modification			



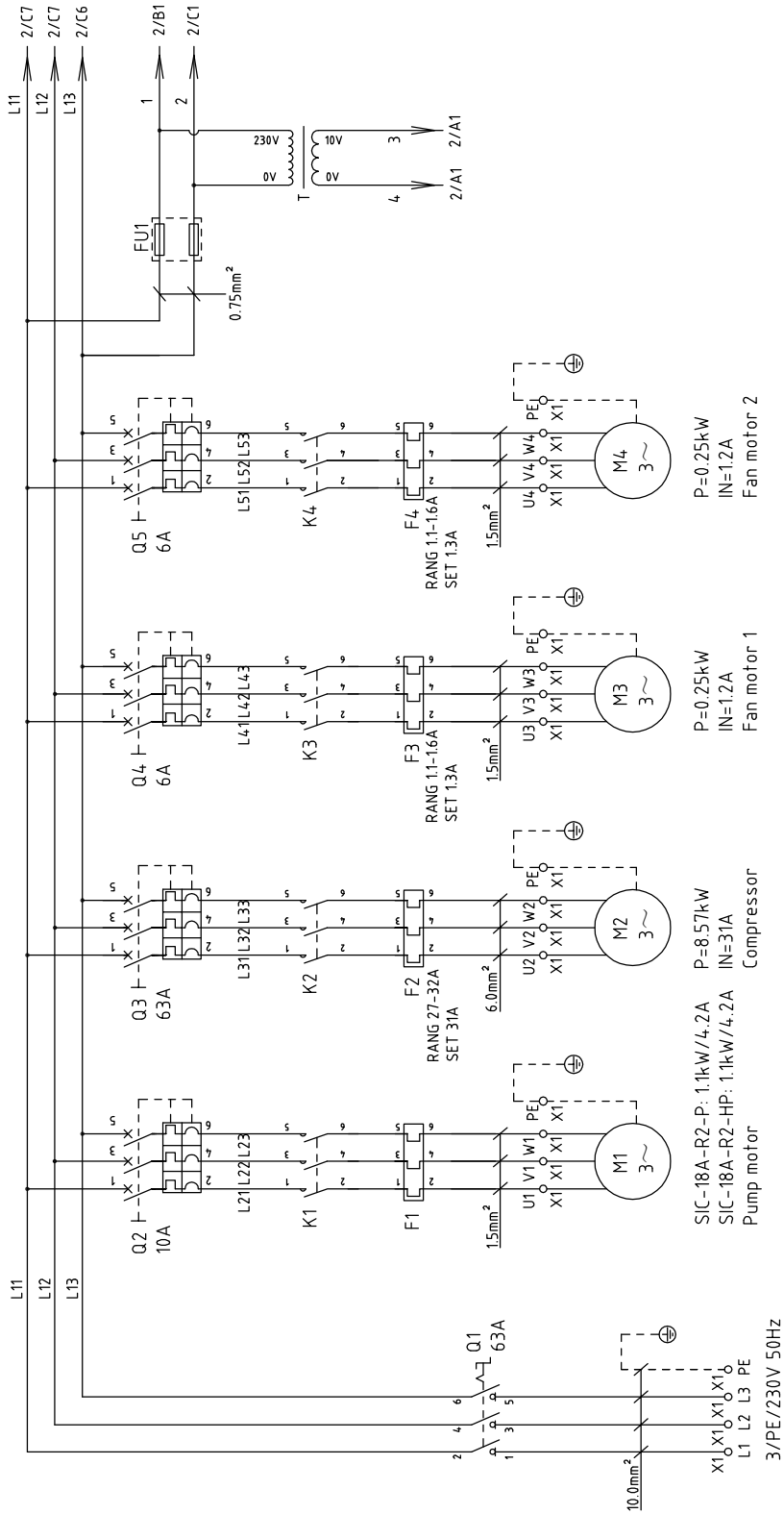


版本 Ver.C

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	After modification	Modified by	Modify date									Standard	CE	Totally	5						
SHINI												SIC-12A-R2-CE-230V-A-3		230V	50Hz						
SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.												SIC-12A-R2		Electrical Components Layout		SIC-12A-R2-CE-230V-A-3		Voltage		Frequency	
SHINI												SIC-12A-R2		Electrical Components Layout		SIC-12A-R2-CE-230V-A-3		230V		50Hz	
SHINI												SIC-12A-R2		Electrical Components Layout		SIC-12A-R2-CE-230V-A-3		230V		50Hz	

- X2
 - 2 1 PE
 - 2 21 PE
 Connect to liquid pipe valve (option)
- X1
 - 22 21
 - 20 PE
 - 18 12
 - 17 14
 - 16 12
 - 15 13
 - 14 13
 - 13 2
 - 12 5
 - 11 U1
 - 10 V1
 - 9 W1
 - 8 PE
 - 7 U3
 - 6 V3
 - 5 W3
 - 4 PE
 - 3 U2
 - 2 V2
 - 1 W2
 - 1 L2
 - 1 L3
 - 1 PE
 Connect to water flow switch(Optional)
 Connect to hotair by-pass valve
 Connect to low pressure switch
 Connect to high pressure switch
 Connect to crankcase heating band (available)
 Connect to pump
 Connect to fan
 Connect to compressor
 Connect to power lines

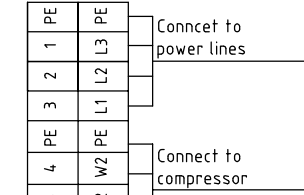
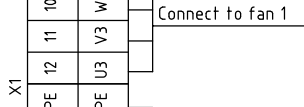
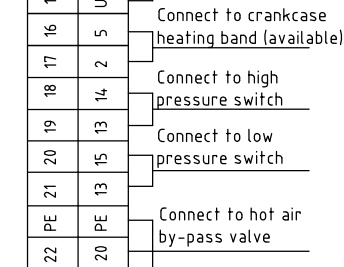
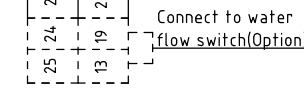
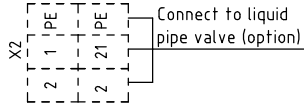
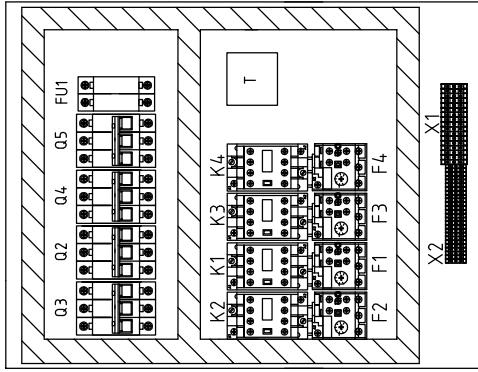
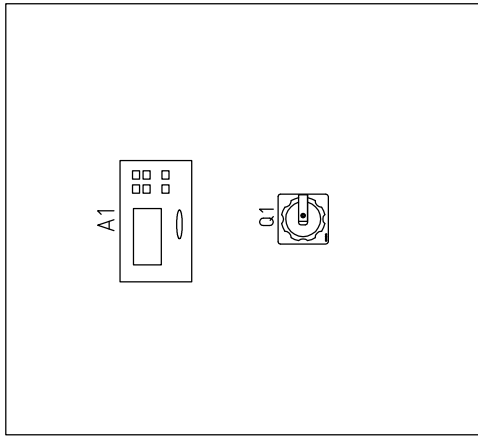
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NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main switch	EATON	P1-32/EA/SVB	32A	1	YE10323200000	
2	Q2	Circuit breaker	TECO	BM-63C/3010S	10A	1	YE40301003000	
3	Q3	Circuit breaker	TECO	BM-63C/3040S	40A	1	YE40304003000	A
4	Q4	Circuit breaker	TECO	BM-63C/3006S	6A	1	YE40300603000	
5	K1	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contacto	SIEMENS	3RT6026-1AN20	220VAC 50/60Hz	1	YE00602622000	
7	K3	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
8	F1	Thermo overload relay	SIEMENS	3RU6116-1EB0	2.8-4A	1	YE01160280000	SIC-12A-R2
9	F1	Thermo overload relay	SIEMENS	3RU6116-1EB0	2.8-4A	1	YE01160280000	SIC-12A-R2-P
10	F1	Thermo overload relay	SIEMENS	3RU6116-1FB0	3.5-5A	1	YE01160350000	SIC-12A-R2-HP
11	F2	Thermo overload relay	SIEMENS	3RU6126-4BB0	14-20A	1	YE01260140000	
12	F3	Thermo overload relay	SIEMENS	3RU6116-1BB0	1.4-2A	1	YE01160140000	
13	FU1	Fuse box	CHINT	RT18-32	32A 2P	1	YE41032200000	
14	A1	Fuse core	MRO	10*38 500V	2A	2	YE46002000100	
15	A1	Controller	PUNP	SF317500A	AC 10V	1	YE60000100900	
16	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----	
17	S3	Water tank temp. RTD	PUNP	RTD	----	1	----	
18	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----	
19	S4	Hl pressure switch	----	----	----	1	----	(1)
20	S5	L0 pressure switch	----	----	----	1	----	(1)
21	S6	Water flow switch	----	----	----	1	----	(1)(3)
22	S7	Communication interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)
23	X1	Shell RS485(SAL-700G-A-1910)	----	----	----	1	YR40048500000	(1)
24	X1	Terminal board	----	SK6	----	3	YE60000603200	
25	X1	Terminal board	----	GK6PE	----	1	YE60000603500	
版本 Ver.C Notes: (1)Means it's not the material inside the control box.(2)Stands for optional liquid pipe valve. (3)Stands for optional water flow switch.								
				A	SIC-12A-R2	SIC-12A-R2-CE-230V-A-4	Scale	Page 4
				Electrical Components List 1	Drawing NO.	CE	Voltage	230V
				陆家权	陆家权	陆家权	Frequency	50Hz
				Proofread by	Approved by	Date	Voltage	230V
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版本 Ver.C

Mark	Before modification	After modification	Date	Version	Title	Drawing No.	Scale	Page 1
	Modified by	Modify Date					Standard	Totally 5
Checked by	Checked by	Checked by	20161205	Approved by	SIC-18A-R2	SIC-18A-R2-CE-230V-B-1	CE	Pages
Designer	Designer	Designer		陆家权	Main Circuit Diagram			
Proofread by	Proofread by	Proofread by		陆家权				
SHINI			SHINI		信易塑料机械股份有限公司		Voltage	
SHINI			SHINI		Shini Plastics Technologies, Inc.		Frequency	
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							50Hz	

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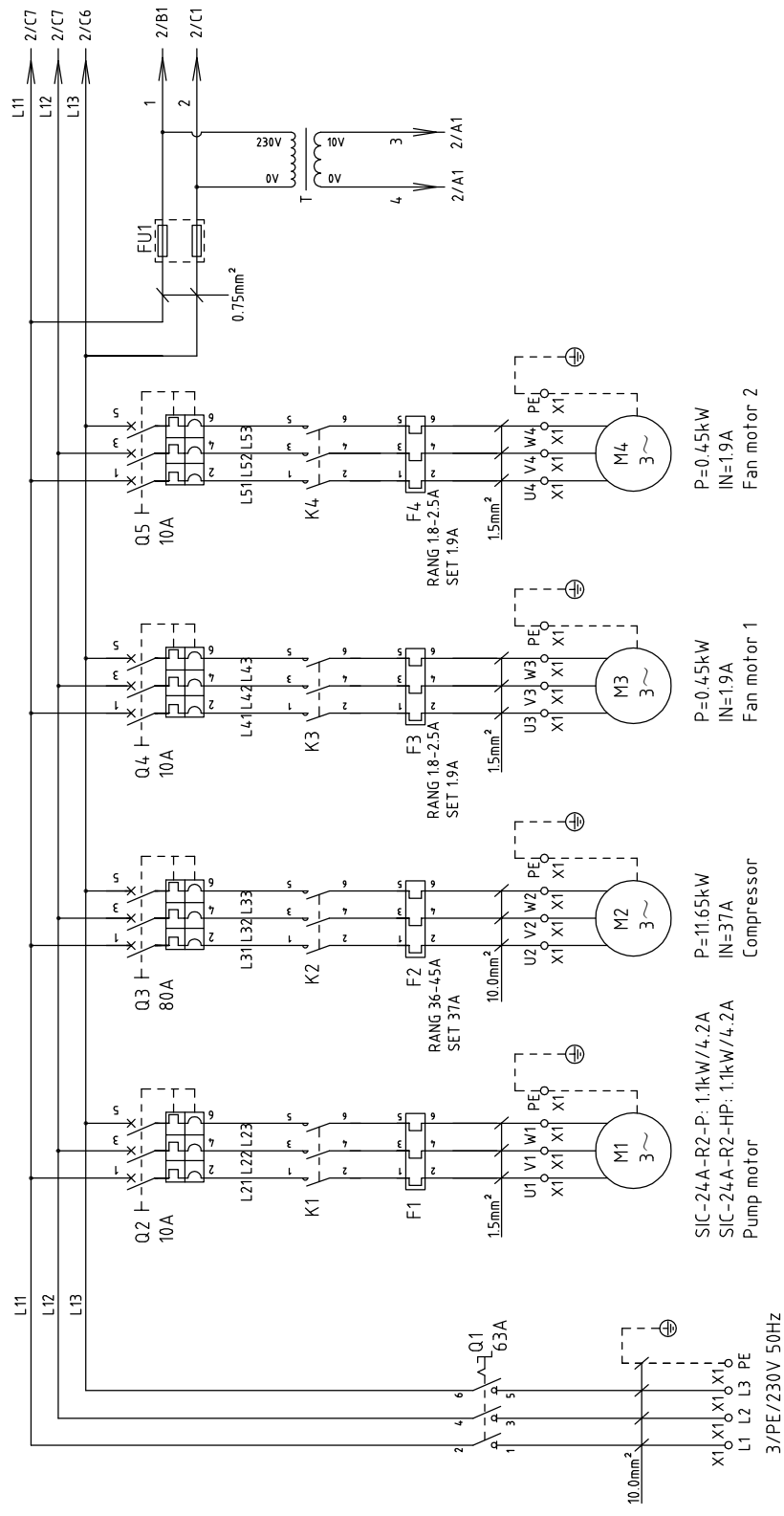
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Drawer		陆家权	陆家权	Version	B	Title	Electrical Components Layout	SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SIC-18A-R2-CE-230V-B-3		CE	5
Title		SIC-18A-R2		Electrical Components Layout		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SIC-18A-R2-CE-230V-B-3		CE	5
Drawing NO.		SIC-18A-R2		Electrical Components Layout		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SIC-18A-R2-CE-230V-B-3		CE	5
Voltage		230V		Frequency		50HZ		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SIC-18A-R2-CE-230V-B-3		CE	5
Frequency		50HZ		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.		SIC-18A-R2-CE-230V-B-3		CE	5


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
1	Q1	Main switch	EATON	P3-63/EA/SVB	63A	1	YE10636300000	
2	Q3	Circuit breaker	TECO	BM-63C/3063S	63A	1	YE40306303000	
3	Q2	Circuit breaker	TECO	BM-63C/3010S	10A	1	YE40301003000	A
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3006S	6A	2	YE40300603000	
5	K1	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contacto	SIEMENS	3RT6028-1AN20	220VAC 50/60Hz	1	YE00602822000	
7	K3 K4	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	2	YE00601621000	
8	F1	Thermo overload relay	SIEMENS	3RU6116-1FB0	3.5-5A	1	YE01160350000	SIC-18A-R2-P
9	F1	Thermo overload relay	SIEMENS	3RU6116-1FB0	3.5-5A	1	YE01160350000	SIC-18A-R2-HP
10	F2	Thermo overload relay	SIEMENS	3RU6126-4PB0	30-36A	1	YE01612630000	
11	F3 F4	Thermo overload relay	SIEMENS	3RU6116-1BB0	1.4-2A	2	YE01160140000	B
12	FU1	Fuse	CHINT	RT28-32	2P	1	YE41032200000	
13		Fuse core	CHINT	2A/10x38/500V	2A	2	YE46002000100	
14	A1	Controllor	PUNP	SF317500A	AC 10V	1	YE80000100900	
15	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----	
16	S3	Water tank temp. RTD	PUNP	RTD	----	1	----	
17	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----	
18	S4	HI pressure switch	----	----	----	1	----	(1)
19	S5	L0 pressure switch	----	----	----	1	----	(1)
20	S6	Water flow switch	----	----	----	1	----	(1)(3)
21	S7	Communication interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)
22		Shell RS485(SAL-700G-A-1910)	----	----	----	1	YR40048500000	(1)
23	X1	Terminal board	----	10.0mm ²	----	3	YE60001003200	
24		Terminal board	----	10.0mm ² PE	----	1	YE60001003500	
25		Terminal board	----	6.0mm ²	----	3	YE60000603200	
版本 Ver.C Notes: (1)Means it's not the material inside the control box.(2) Stands for optional liquid pipe valve. (3)Stands for optional water flow switch.								
			Drawer	Version	Title		Drawing NO.	
			陆家权	B	SIC-18A-R2		SIC-18A-R2-CE-230V-B-4	
			Designer	Approved by	Electrical Components List 1			
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			Proofread by	Date				
				20161205				
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			Mark					
					Scale		Page	
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					CE		Totally 5	
					Voltage		230V	
					Frequency		50Hz	
							8	





版本 Ver.C

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Drawing No. SIC-24A-R2-CE-230V-B-1	Title SIC-24A-R2 Main Circuit Diagram	Scale	Page 1
	Standard	CE	Standard	Totally 5	Pages						
										Voltage	230V
										Frequency	50Hz

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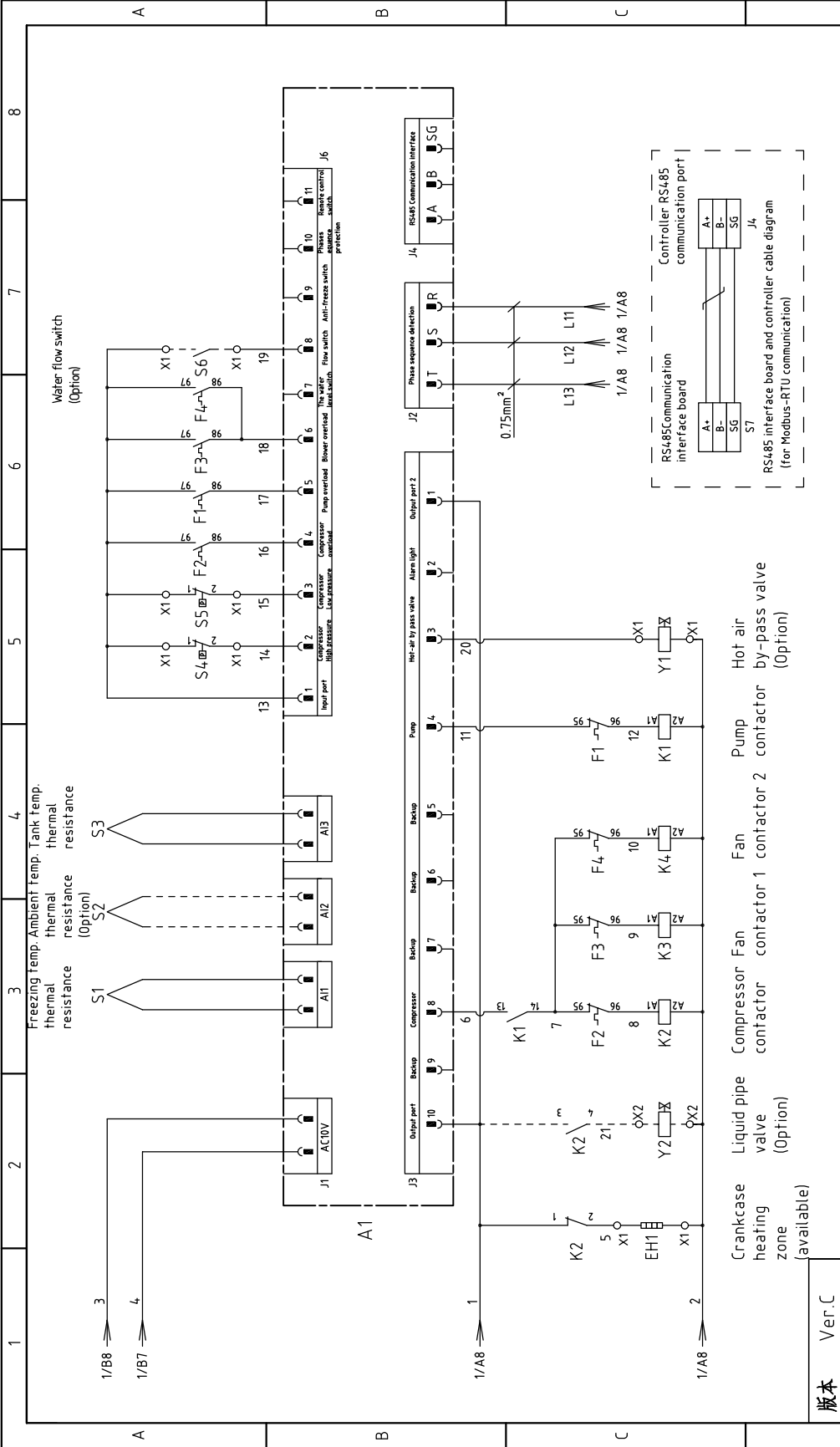
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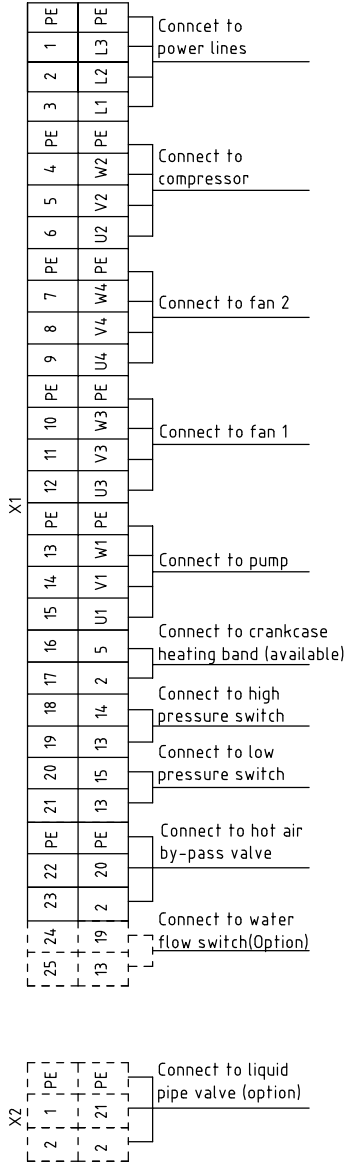
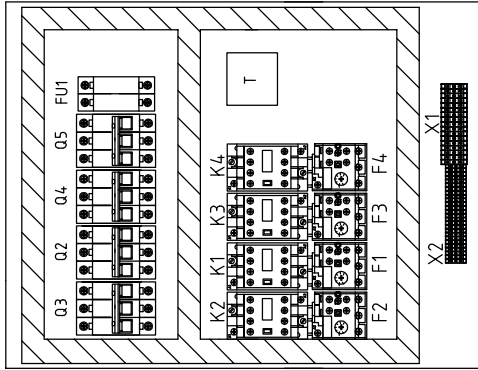
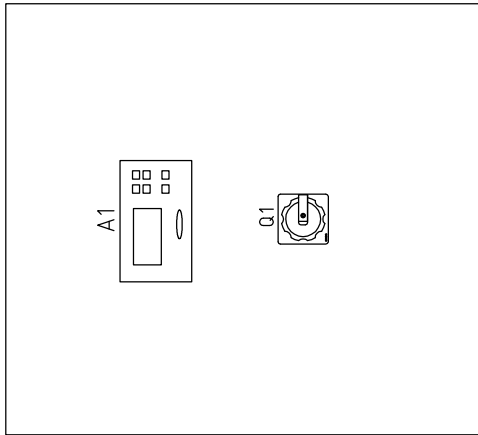


版本 Ver.C

D		Drawing NO.		Page 2	
Title		SIC-24A-R2		Scale	
Control Circuit Diagram		Control Circuit Diagram		Standard CE	
Version		B		Voltage 230V	
Designer		陆家权		Frequency 50HZ	
Proofread by		陆家权		Totally 5	
Checked by		陆家权		Pages	
Modify date		20161207		230V	
Mark		Before modification		Frequency 50HZ	
After modification				8	



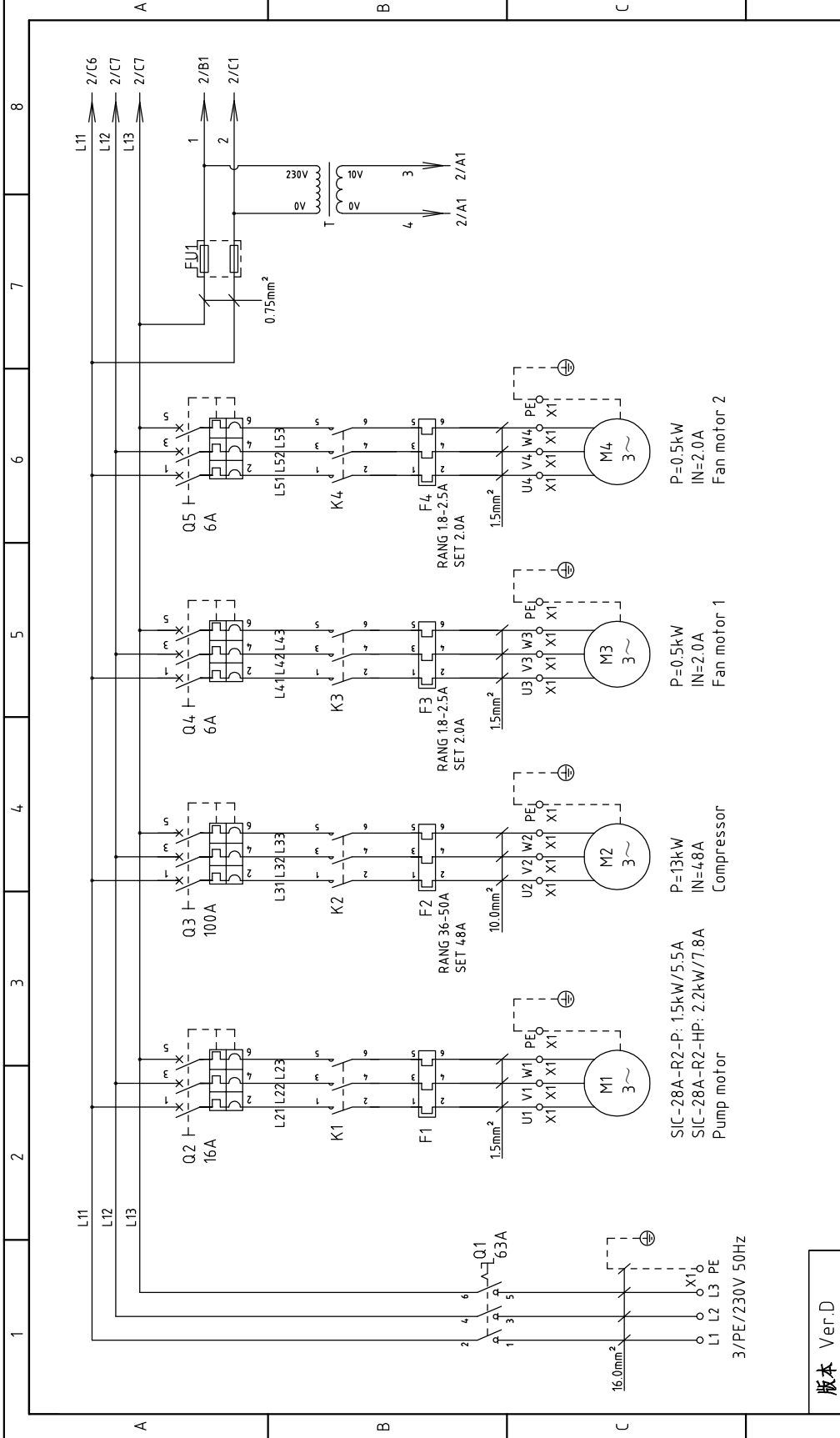
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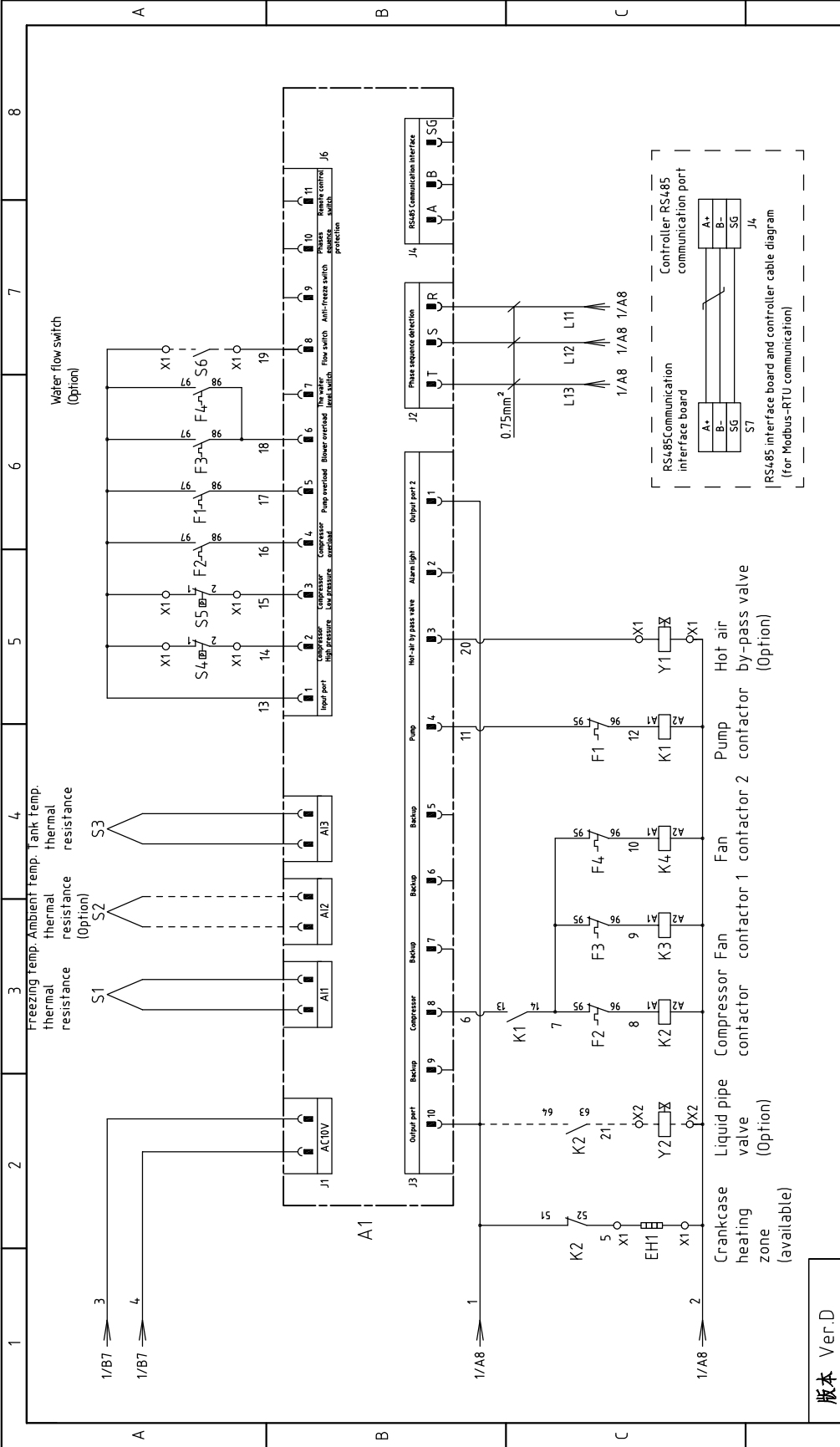
Ver.C

Mark	Before modification	Modified by	Modify date	Checked by	Date	20161207	Approved by	陆家权	Version	B	Title	SIC-24A-R2		Scale	Page
	Electrical Components Layout											Standard	CE		
Mark	After modification	Modified by	Modify date	Checked by	Date	20161207	Approved by	陆家权	Version	B	Title	SIC-24A-R2-CE-230V-B-3		Standard	Page
	Electrical Components Layout											Standard	CE		
SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.													Voltage	230V	
													Frequency	50Hz	
Drawing NO. SIC-24A-R2-CE-230V-B-3													Totally	5	
													Pages	3	

1 2 3 4 5 6 7 8



版本 Ver.D		Drawing No.		Page 1	
		SIC-28A-R2		Scale	
		Main Circuit Diagram		Standard CE	
		SIC-28A-R2-CE-230V-B-1		Voltage 230V	
		SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		Frequency 50Hz	
Mark		Before modification		After modification	
Modified by		Modify Date		Date	
Checked by		Approved by		Date	
Designer		Version		Date	
Proofread by		陆家权		20161209	
Checked by		陆家权		4	
Approved by		B		5	
Title		SIC-28A-R2		6	
Main Circuit Diagram		SIC-28A-R2-CE-230V-B-1		7	
Standard		CE		8	
Voltage		230V		8	
Frequency		50Hz		8	

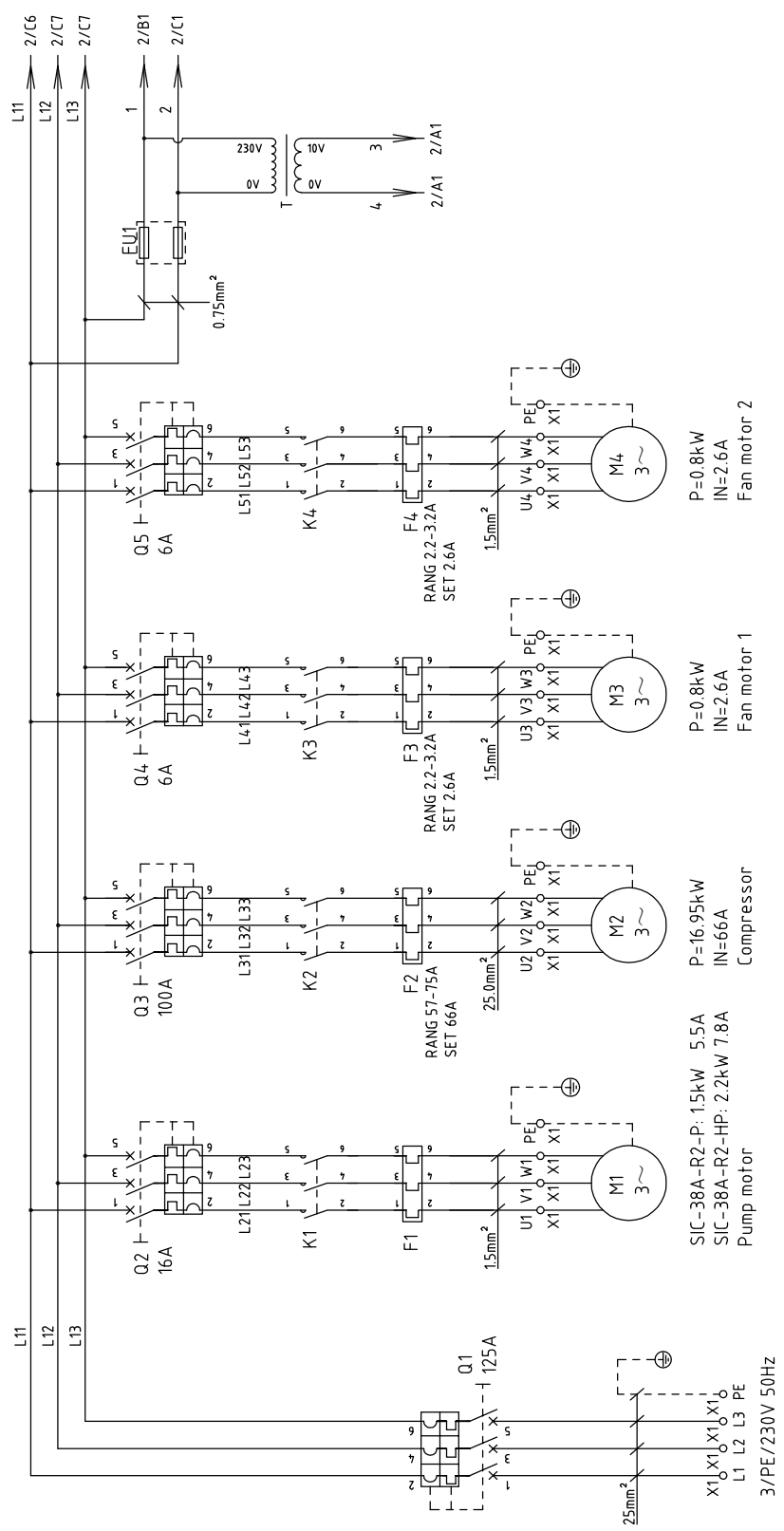


Version		Ver.D	
Mark	Before modification	Modified by	
Mark	After modification	Modify date	
Checked by	20161209	Date	
Proofread by		Approved by	
Designer	陆家权	Version	B
Drawer	陆家权	Title	SIC-28A-R2 Control Circuit Diagram
Drawing No.		SIC-28A-R2-CE-230V-B-2	
Scale	Standard	CE	Page 2
Voltage		230V	
Frequency		50Hz	
Totally		5	
Pages		5	



1	2		3	4	5	6	7	8
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main switch	EATON	P3-100/EA/SVB	100A	1	YE10010000000	
2	Q2	Circuit breaker	TECO	BM-63C/3016S	16A	1	YE40301603000	
3	Q3	Circuit breaker	TECO	BM-1000D/3100S	100A	1	YE403100003000	A
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE403010003000	
5	K1	Contacto	SIEMENS	3RT6016-1ANZ1	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contacto	SIEMENS	3RT5044-1AN20	220VAC 50/60Hz	1	YE00504400000	
7		Auxiliary block	SIEMENS	3RH1921-1EA11	1NO+1NC	1	YE00192101100	(2)
8	K3 K4	Contacto	SIEMENS	3RT6016-1ANZ1	220VAC 50/60Hz	2	YE00601621000	
9	F1	Thermo overload relay	SIEMENS	3RU6116-1GB0	4.5-6.32A	1	YE01160450000	SIC-28A-R2-P
10	F1	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	1	YE01167100000	SIC-28A-R2-HP
11	F2	Thermo overload relay	SIEMENS	3RU5146-4HB0	36-50A	1	YE01514630000	
12	F3 F4	Thermo overload relay	SIEMENS	3RU6116-1CB0	1.8-2.5A	2	YE01160180000	
13	FU1	Fuse base	CHINT	RT18-32	32A 2P	1	YE41032200000	
14		Fuse core	MRO	10*38 500V	2A	2	YE46002000100	
15	A1	Controller	PUNP	SF317500A	AC 10V	1	YE80000100900	
16	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----	
17	S3	Water tank temp. RTD	PUNP	RTD	----	1	----	
18	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----	
19	S4	Hl pressure switch	----	----	----	1	----	(1)
20	S5	L0 pressure switch	----	----	----	1	----	(1)
21	S6	Water flow switch	----	----	----	1	----	(1)(3)
22	S7	Communication interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)
23	X1	Shell RS485(SAL-700G-A-1910)	----	----	----	1	YR40048500000	(1)
24	X1	Terminal board	HONEYWELL	16.0mm ²	----	6	YE60001603200	
25	X1	Terminal board	HONEYWELL	16.0mm ² PE	----	2	YE60001603500	
版本 Ver.D Notes: (1)Means it's not the material inside the control box.(2) Stands for optional liquid pipe valve. (3)Stands for optional water flow switch.								
				Drawer	Version	B	Title	Drawing NO.
				Designer	Approved by		SIC-28A-R2	SIC-28A-R2-CE-230V-B-4
				Proofread by			Electrical Components List 1	CE
				Checked by	Date	20161209	Voltage	230V
				Modified by	Modify date		Frequency	50Hz
				Before modification			Page	4
				After modification			Totally	5
				Mark			Pages	5

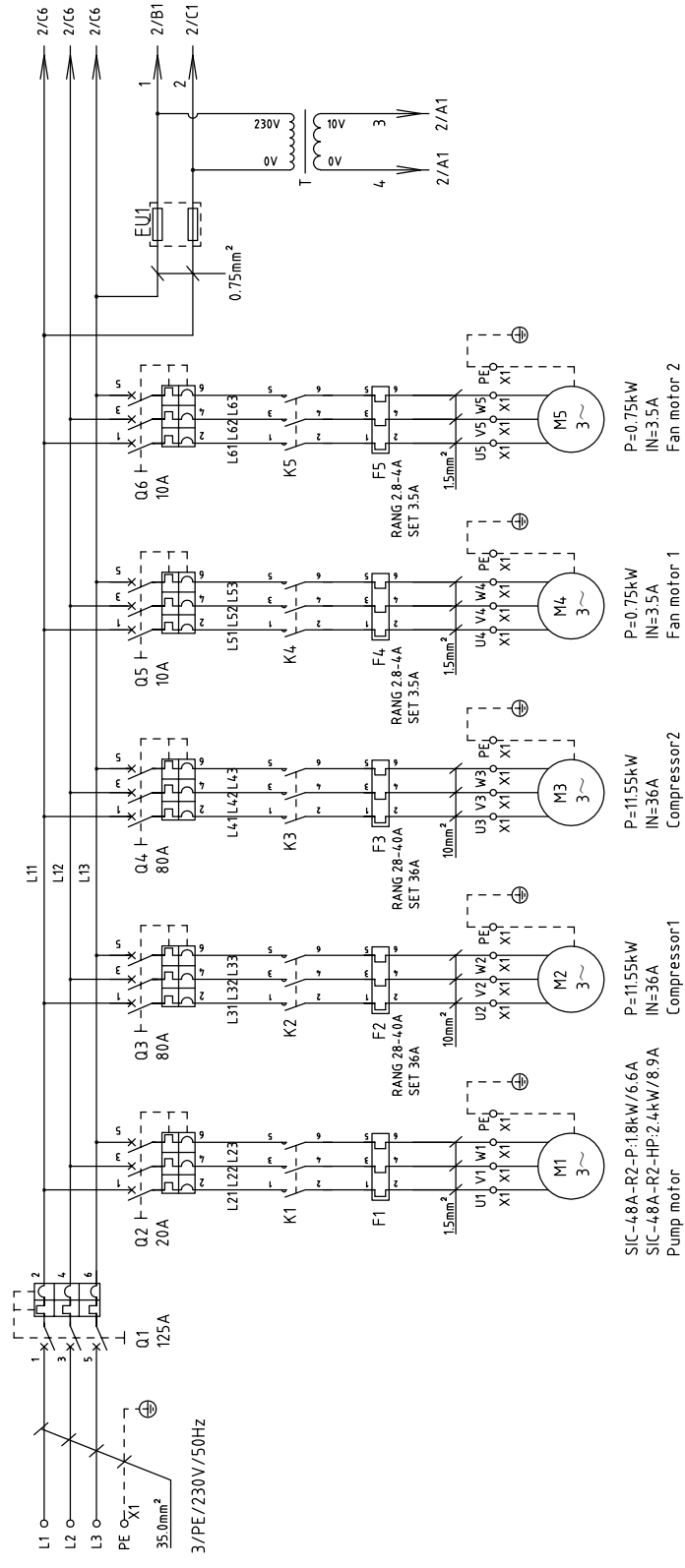




版本 Ver.D


Drawing No.		SIC-38A-R2-CE-230V-B-1		Page	1
Title		SIC-38A-R2 Main Circuit Diagram		Scale	CE
Drawer	陆家权	Version		Standard	Voltage
Designer	陆家权	Approved by		Frequency	230V
Proofread by		Date	20161212	Totally 5 Pages	
Checked by				50Hz	
Modified by				SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.	
Mark	Before modification	After modification		8	

1	2		3	4	5	6	7	8
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Circuit breaker	ABB	A1A125TMF125/42503PFF	125A	1	YE41161400000	
2	Q2	Circuit breaker	TECO	BM-63C/3016S	16A	1	YE40301603000	
3	Q3	Circuit breaker	TECO	BM-100D/30100S	100A	1	YE403100003000	A
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3006S	6A	2	YE40300603000	
5	K1	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contacto	SIEMENS	3RT5045-1AN20	220VAC 50/60Hz	1	YE00504500000	
7		Auxiliary block	SIEMENS	3RH5921-1CA01	1NC	1	YE00592110100	
8		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	(2)
9	K3 K4	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	2	YE00601621000	
10	F1	Thermo overload relay	SIEMENS	3RU6116-1GB0	4.5-6.32A	1	YE01160450000	SIC-38A-R2-P
11	F1	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	1	YE01167100000	SIC-38A-R2-HP
12	F2	Thermo overload relay	SIEMENS	3RU5146-4KB0	57-75A	1	YE01514650000	
13	F3 F4	Thermo overload relay	SIEMENS	3RU6116-1DB0	2.2-3.2A	2	YE01160220000	
14	FU1	Fuse base	CHNT	RT18-32	32A 2P	1	YE41032200000	
15		Fuse core	MRO	10x38 500V	2A	2	YE460020000100	
16	A1	Controllor	PUNP	SF317500A	AC 10V	1	YE80000100900	
17	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----	
18	S3	Water tank temp. RTD	PUNP	RTD	----	1	----	
19	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----	C
20	S4	HI pressure switch	----	----	----	1	----	(1)
21	S5	L0 pressure switch	----	----	----	1	----	(1)
22	S6	Water flow switch	----	----	----	1	----	(1)(3)
23	S7	Communication interface board RS-485 (double D-sub-9pin connector)	----	----	----	1	YE90048501200	(1)
24		Shell RS485(SAL-700G-A-1910)	----	----	----	1	YR40048500000	(1)
25	X1	Terminal board	----	GK35PE	----	1	YE60003503500	
版本 Ver.D Notes: (1)Means it's not the material inside the control box.(2) Stands for optional liquid pipe valve. (3)Stands for optional water flow switch.								
				Drawer	Version	Title	Scale	Page
				Designer	Approved by	SIC-38A-R2	Standard	4
				Proofread by	Date	Electrical Components List 1	Voltage	5
				Checked by	Date	SIC-38A-R2-CE-230V-B-4	Frequency	Pages
				Modified by	Modify date	SHINI	20161212	230V
				Before modification	After modification	信易塑料机械股份有限公司	CE	50Hz
				Mark		Shini Plastics Technologies, Inc.		
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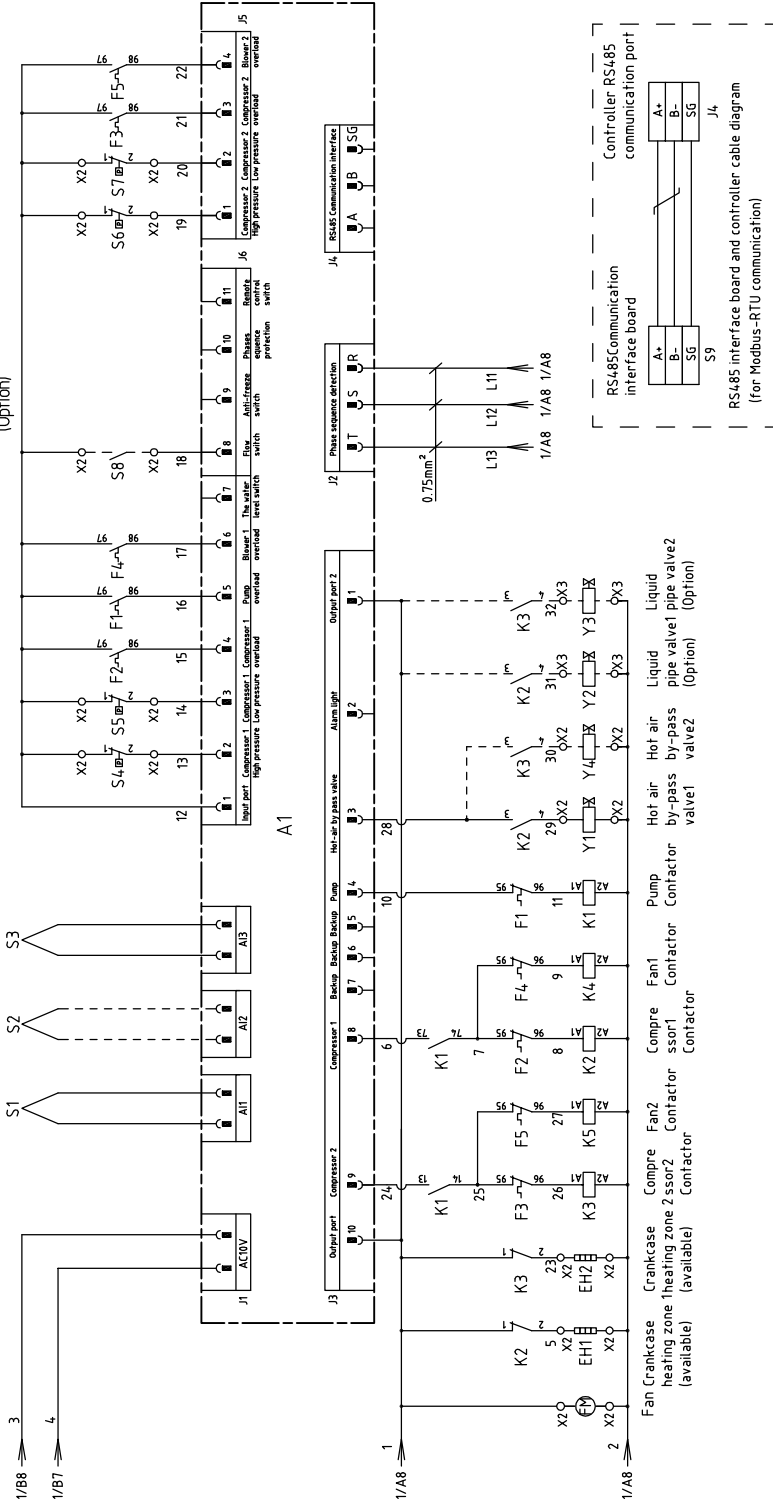
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 SIC-48A-R2-HP:2.4kW/8.9A
 Pump motor
 P=11.55kW
 IN=36A
 Compressor 1
 P=11.55kW
 IN=36A
 Compressor 2
 P=0.75kW
 IN=3.5A
 Fan motor 1
 P=0.75kW
 IN=3.5A
 Fan motor 2

版本 Ver.B

Mark	Before modification	Modified by	Modify date	Checked by	Date	Approved by	Version	B	Title	SIC-48A-R2 Main Circuit Diagram	Drawing NO.	Scale	Page
	After modification	Modified by	Modify date									Standard	Totally
 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.												CE	1
												Voltage	230V
												Frequency	50Hz
												Standard	5
												Totally	8

Freezing temp. Ambient temp. Tank temp.
thermal thermal
resistance resistance
(Option) (Option)

Water flow switch
(Option)

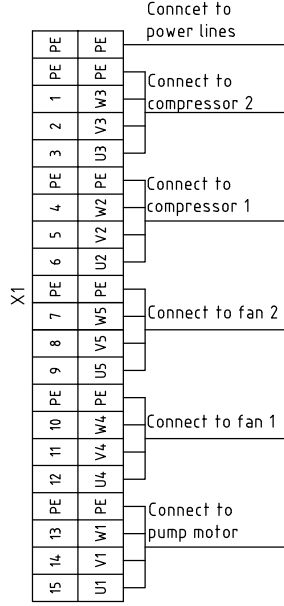
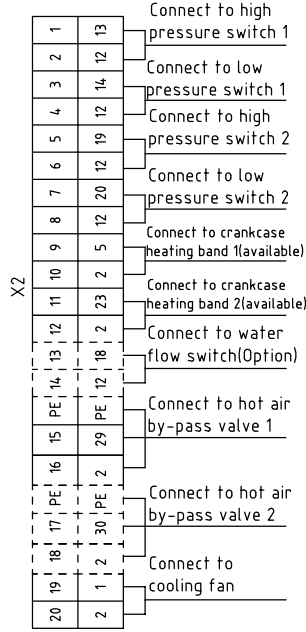
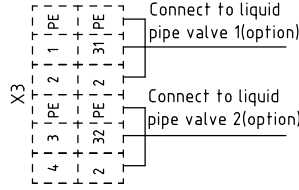
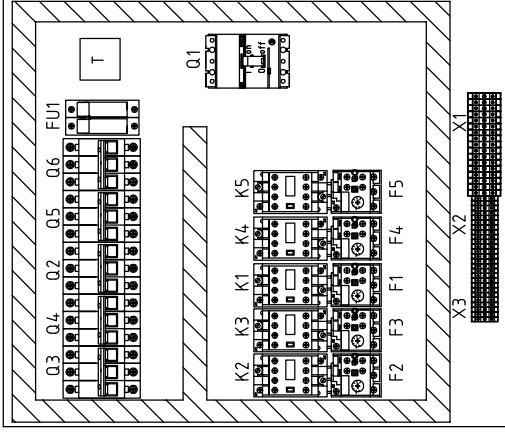
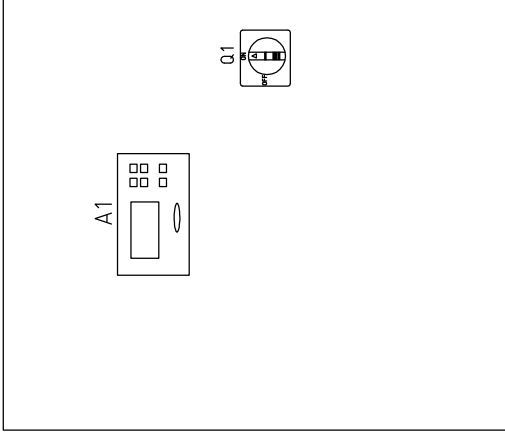


版本 Ver.B

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				陆家权	B	SIC-48A-R2 Control Circuit Diagram	
Page	2	Scale		Drawing NO.		SIC-48A-R2-CE-230V-B-2	
	5	Standard		CE		Voltage	
Pages	5	Frequency		230V		50HZ	
	8	Frequency		50HZ		8	



1 2 3 4 5 6 7 8



Note: (1)Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.
 (2)Compressor, pump, solenoid valve, circuit board must be connected to the ground.

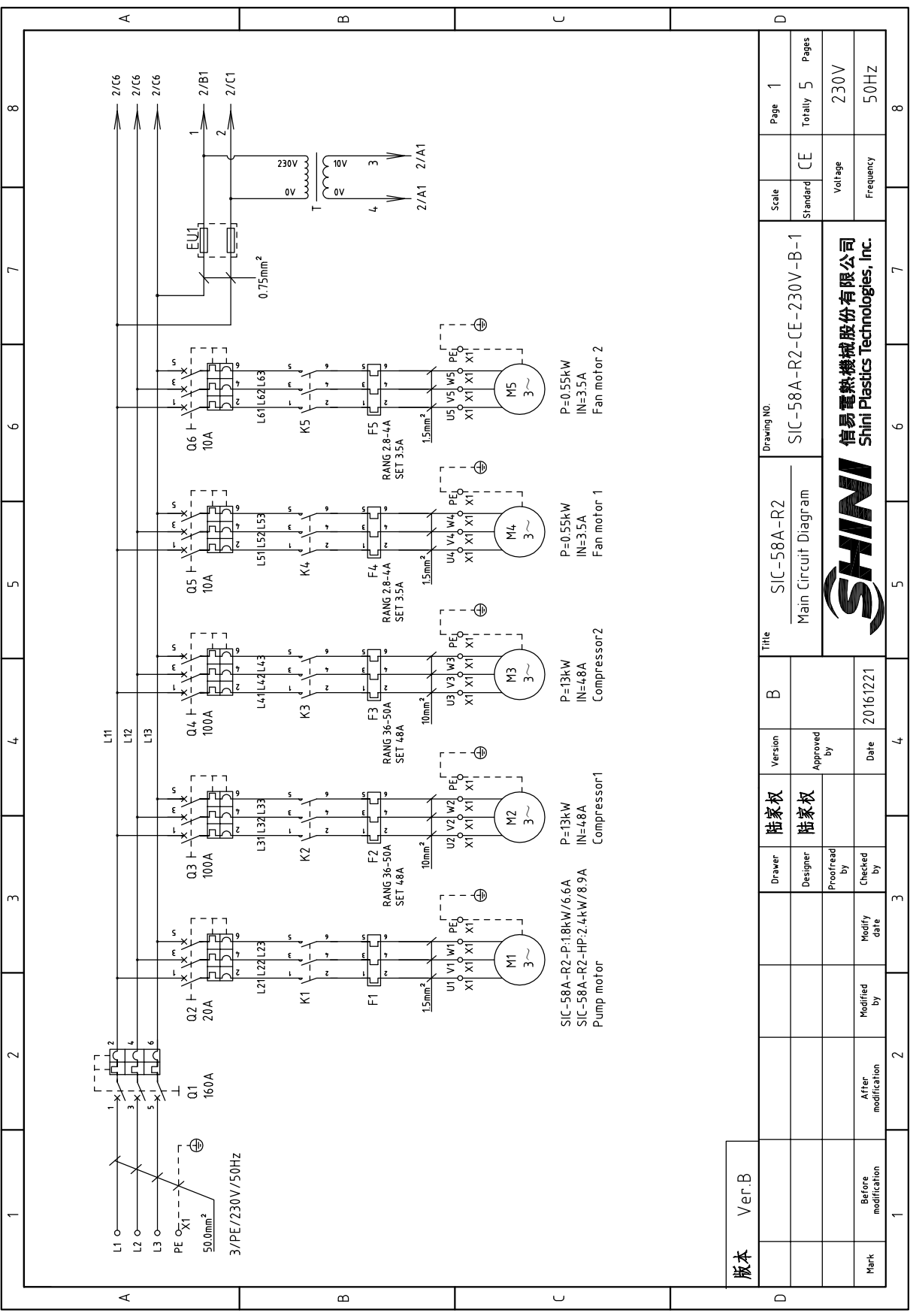
版本 Ver.B

Drawing NO.		Title		Version		Scale		Page	
SIC-48A-R2		Electrical Components Layout		陆家权		B		3	
SIC-48A-R2-CE-230V-B-3		SHINI		陆家权		Standard		5	
SHINI		信易电热机械股份有限公司		Proofread by		Voltage		230V	
SHINI		Shini Plastics Technologies, Inc.		Checked by		Frequency		50Hz	
Mark		Modified by		Date		Standard		CE	
Before modification		20161219		20161219		Voltage		230V	
After modification						Frequency		50Hz	
1		2		3		4		5	
6		7		8		9		10	

1	2		3	4	5	6	7	8
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Circuit breaker	ABB	A1A125TMF125/42503PFF	125A	1	YE41161400000	
2	Q2	Circuit breaker	TECO	BM-63C/3020S	20A	1	YE40302003000	
3	Q3 Q4	Circuit breaker	TECO	BM-100D/3080S	80A	2	YE40308003000	A
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE40301003000	
5	K1	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	SIC-48A-R2-P
6	K1	Contacto	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	1	YE00601721000	SIC-48A-R2-HP
7		Auxiliary block	SIEMENS	3RH6911-1AA10	1NO	1	YE00691100000	
8	K2 K3	Contacto	SIEMENS	3RT5035-1AN20	220VAC 50/60Hz	2	YE00503500000	
9		Auxiliary block	SIEMENS	3RH5921-1CA01	1NC	2	YE00592110100	
10		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	
11		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	(2)
12		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	2	YE00592110000	(4)
13	K4 K5	Contacto	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	2	YE00601621000	
14	F1	Thermo overload relay	SIEMENS	3RU6116-1EB0	5.5-8A	1	YE01160550000	SIC-48A-R2-P
15	F1	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	1	YE011617100000	SIC-48A-R2-HP
16	F2 F3	Thermo overload relay	SIEMENS	3RU5136-4FB0	28-40A	2	YE01513600100	
17	F4 F5	Thermo overload relay	SIEMENS	3RU6116-1EB0	2.8-4A	2	YE01160280000	
18	A1	Controllor	PUNP	SF317500A	AC 10V	1	YE80317500900	
19	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----	
20	S3	Water tank temp. RTD	PUNP	RTD	----	1	----	
21	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----	
22	FU1	Fuse base	CHNT	RT18-32	32A 2P	1	YE41032200000	
23		Fuse core	MRO	10x38 500V	2A	2	YE46002000100	
24	S4 S6	HI pressure switch	----	----	----	2	----	(1)
25	S5 S7	L0 pressure switch	----	----	----	2	----	(1)
版本 Ver.B Notes: (1)Means it's not the material inside the control box.(2) Stands for optional the second by-pass valve. (3)Stands for optional water flow switch.(4)Stands for optional liquid pipe valve.								
				Drawer	Version	B	Title	Drawing NO.
				Designer	Approved by		SIC-48A-R2	Scale
				Proofread by			Electrical Components List 1	Standard
				Checked by	Date	20161219	SIC-48A-R2-CE-230V-B-4	Voltage
				Modified by	Modify date		信易塑料机械股份有限公司	Frequency
				Before modification			SHINI	Page
				After modification			Shini Plastics Technologies, Inc.	Page 4
								Totally 5
								Pages
								230V
								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	S8	Water flow switch	----	----	----	1	----	(1)(3)	
27	S9	Communication interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE9004.8501200	(1)	
28	A	Shell RS485(SAL-700G-A-1910)	----	----	----	1	YR4.004.8500000	(1)	
29	X1	Terminal board	----	GK10	----	6	YE60001003200		
30		Terminal board	----	GK10PE	----	2	YE60001003500		
31		Terminal board	----	GK35PE	----	1	YE60003503500		
32		Terminal board	----	SK2.5	----	9	YE60002503200		
33		Terminal board	----	GK2.5PE	----	3	YE60002503400		
34	X2	Terminal board	----	SK2.5	----	16	YE60002503200		
35		Terminal board	----	GK2.5PE	----	1	YE60002503400		
36		Terminal board	----	SK2.5	----	2	YE60002503200	(2)	
37		Terminal board	----	GK2.5PE	----	1	YE60002503400	(2)	
38		Terminal board	----	SK2.5	----	2	YE60002503200	(3)	
39	X3	Terminal board	----	SK2.5	----	4	YE60002503200	(4)	
40		Terminal board	----	GK2.5PE	----	2	YE60002503400	(4)	
41	Y1	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)	
42	Y2 Y3	Solenoid valve	----	----	230V 50/60Hz	2	----	(1)(4)	
43	Y4	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)(2)	
44	M1	Pump motor	----	----	230V 50/60Hz 1.8KW	1	SIC-48A-R2-P	(1)	
45	M1	Pump motor	----	----	230V 50/60Hz 2.4KW	1	SIC-48A-R2-HF	(1)	
46	M2 M3	Compressor	----	----	230V 50/60Hz 11.55kW	2	----	(1)	
47	M4 M5	Fan motor	----	----	230V 50/60Hz 0.75kW	2	----	(1)	
48	EH1 EH2	Crankcase heating zone	----	----	230V 50/60Hz 4.5W	2	----	(1)	
49	FM	Fan	----	----	230V 50/60Hz	1	----	(1)	
版本		Ver. B		Notes: (1)Means it's not the material inside the control box.(2) Stands for optional the second by-pass valve. (3)Stands for optional water flow switch.(4)Stands for optional liquid pipe valve.					
D		Title		SIC-48A-R2		Drawing NO		Page 5	
		Designer		Electrical Components List 2		SIC-48A-R2-CE-230V-B-5		Scale	
		Proofread by		Approved by		CE		Standard	
		Checked by		Date		Voltage		Totally 5 Pages	
Mark		Before modification		20161219		Frequency		230V	
		After modification				50Hz			
1	2		3	4	5	6	7	8	





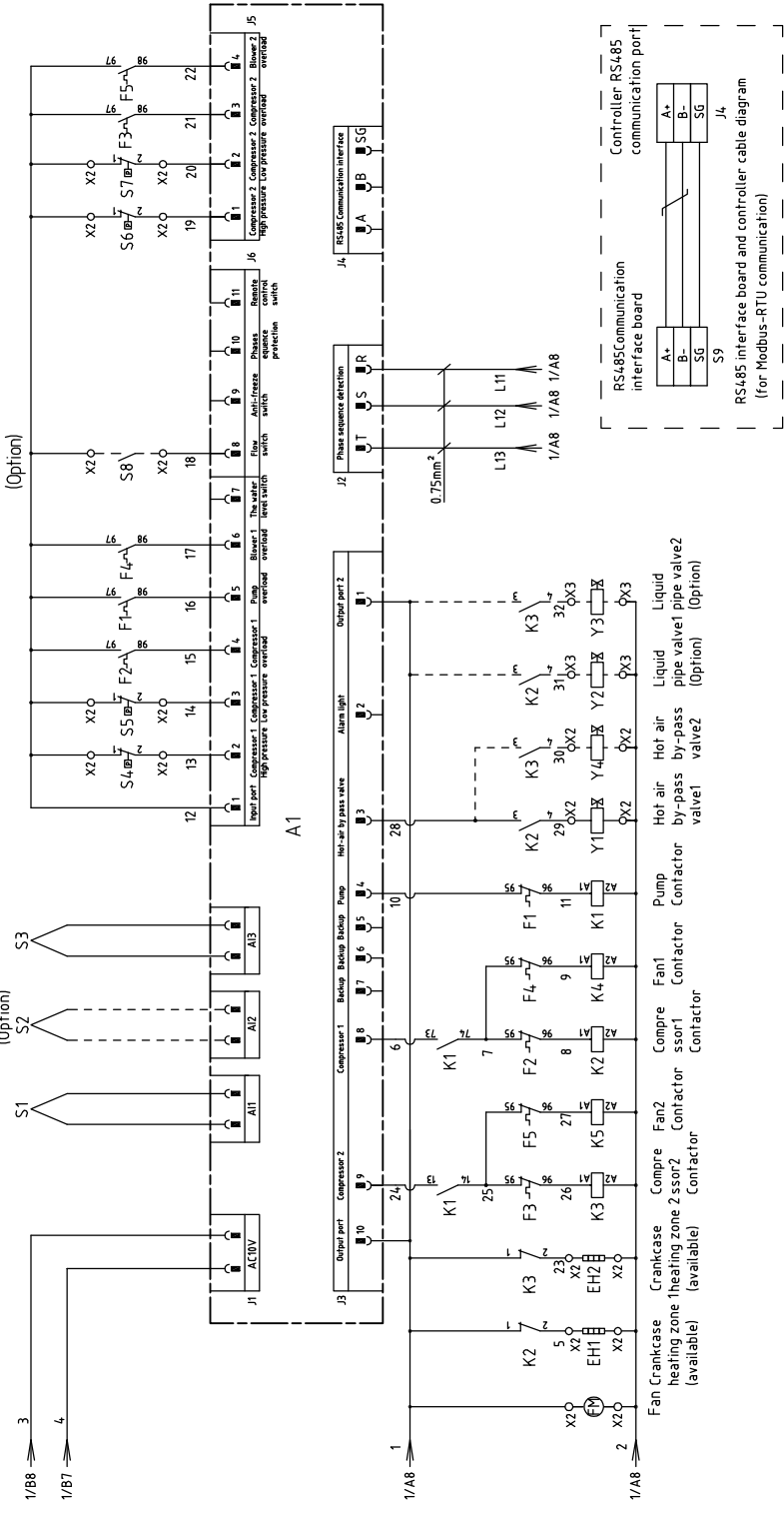
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	After modification	Checked by	Date	4
		Proofread by	Approved by	
		Designer	Version	B
		Drawer	陆家权	

Ver.B

Scale	Page 1	8
Standard	Totally 5	8
Voltage	CE	230V
Frequency		50Hz
Drawing NO. SIC-58A-R2-CE-230V-B-1		
Title SIC-58A-R2 Main Circuit Diagram		
SHINI Shini Plastics Technologies, Inc.		

Freezing temp. Ambient temp. Tank temp.
thermal thermal
resistance resistance
resistance
(Option)

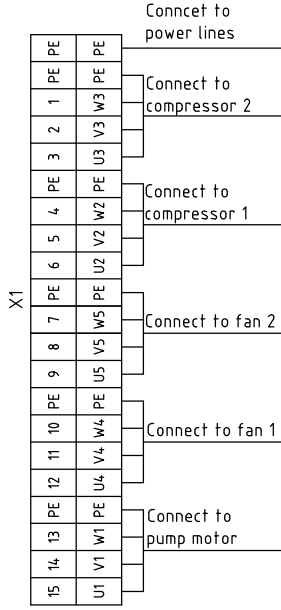
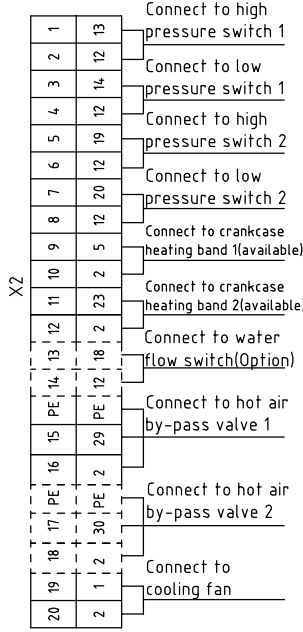
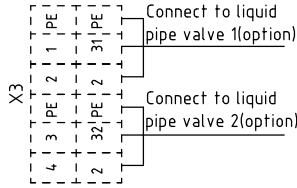
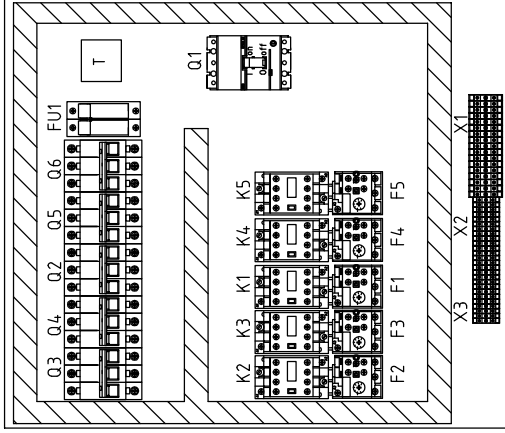
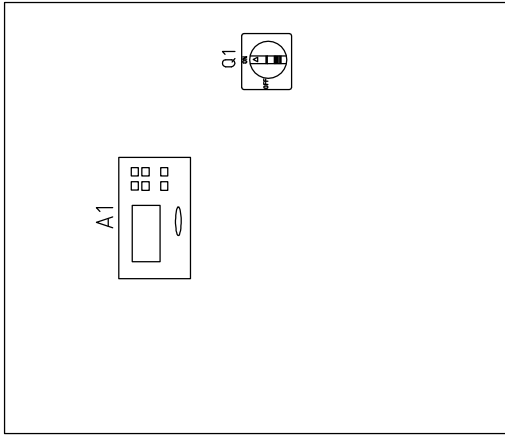
Water flow switch
(Option)



版本 Ver.B

Title		SIC-58A-R2		Drawing NO.		SIC-58A-R2-CE-230V-B-2		Page		2	
Control Circuit Diagram								Scale		CE	
SHINI		SHINI		SHINI		SHINI		Standard		Voltage	
信易塑料机械股份有限公司		信易塑料机械股份有限公司		信易塑料机械股份有限公司		信易塑料机械股份有限公司		Frequency		230V	
Mark		Before modification		Modified by		Date		Totally		5	
Pages		20161221		20161221		20161221		Frequency		50Hz	
Version		陆家权		陆家权		陆家权		Page		2	
Designer		陆家权		陆家权		陆家权		Totally		5	
Proofread by								Voltage		230V	
Checked by								Frequency		50Hz	
Modified by								Page		2	
Date		20161221		20161221		20161221		Totally		5	
Mark		Before modification		Modified by		Date		Page		2	

1 2 3 4 5 6 7 8

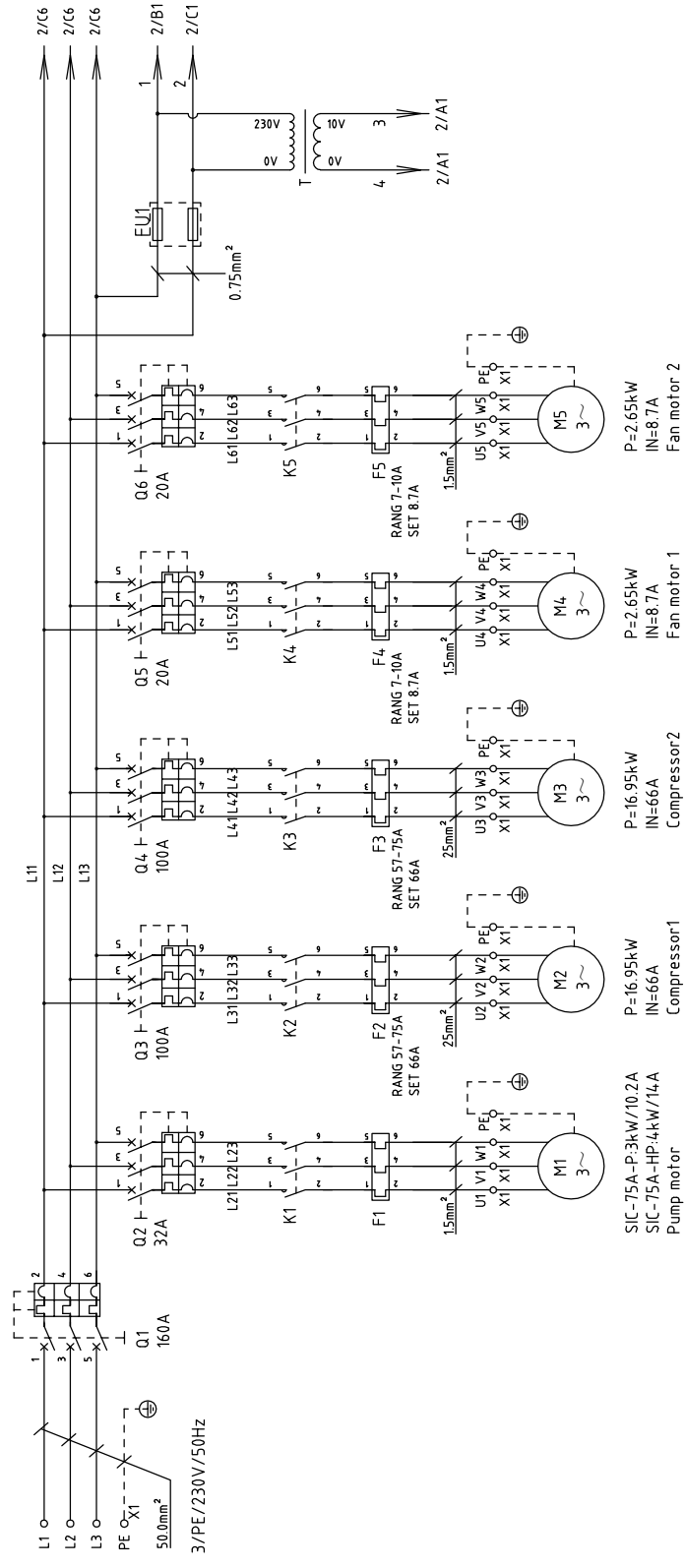


Note: (1)Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.
 (2)Compressor, pump, solenoid valve, circuit board must be connected to the ground.

版本 Ver.B

Mark		Before modification	After modification	Modified by	Modify date	Checked by	Date	Proofread by	Approved by	Version	B	Title		Drawing NO.		Scale	Page
							20161221			陆家权	B	SIC-58A-R2		SIC-58A-R2-CE-230V-B-3		Standard	3
										陆家权		Electrical Components Layout		SIC-58A-R2-CE-230V-B-3		Standard	5
												SHINI		信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		Standard	5
												Voltage		230V		Standard	5
												Frequency		50HZ		Standard	5
												Totally		8		Standard	5

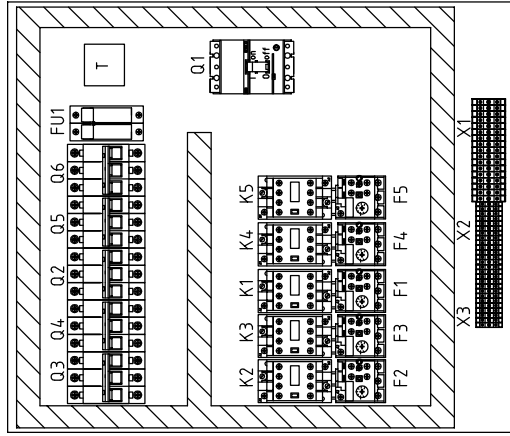
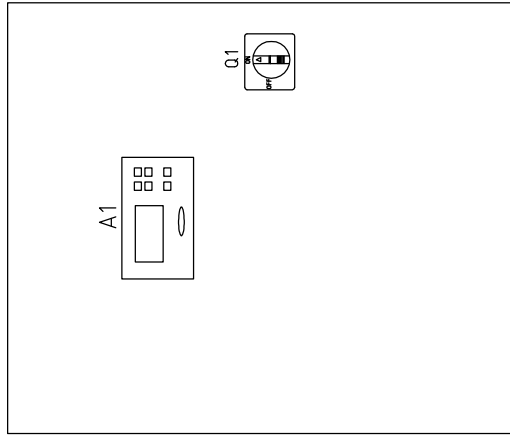
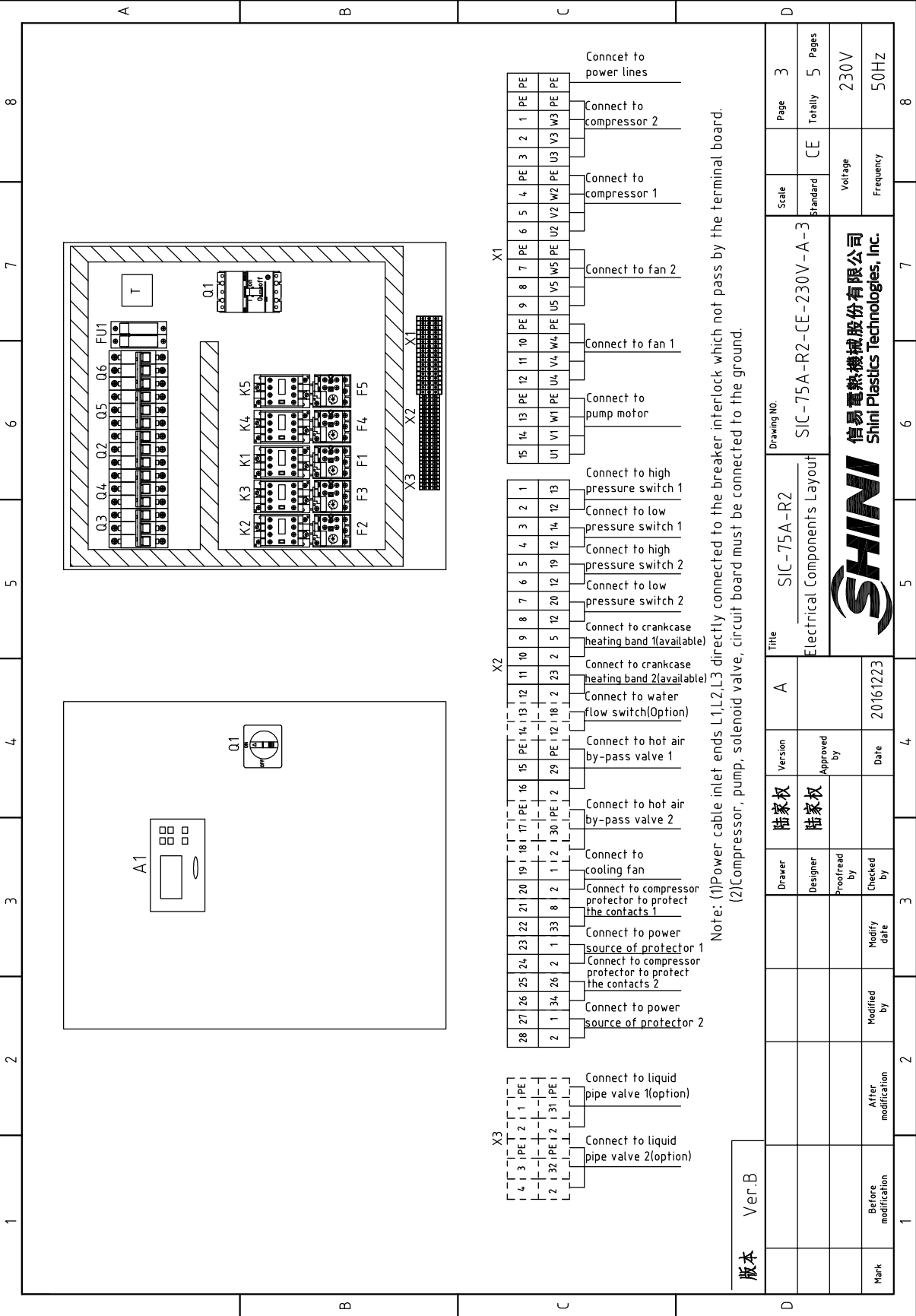
1	2		3	4	5	6	7	8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark	
1	Q1	Breaker interlock	ABB	A2B250TMF160/16003PFF	160A	1	YE41161500000		
2	Q2	Circuit breaker	TECO	BM-63C/3020S	20A	1	YE40302003000		
3	Q3 Q4	Circuit breaker	TECO	BM-1000/30100S	100A	2	YE403100003000	A	
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE403010003000		
5	K1	Contact	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	SIC-58A-R2-P	
6	K1	Contact	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	1	YE00601721000	SIC-58A-R2-HP	
7		Auxiliary block	SIEMENS	3RH6911-1AA10	1NO	1	YE00691100000		
8	K2 K3	Contact	SIEMENS	3RT5044-1AN20	220VAC 50/60Hz	2	YE00504400000		
9		Auxiliary block	SIEMENS	3RH5921-1CA01	1NC	2	YE00592110100		
10		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000		
11		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	(2)	
12		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	2	YE00592110000	(4)	
13	K4 K5	Contact	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	2	YE00601621000		
14	F1	Thermo overload relay	SIEMENS	3RU6116-1HB0	5.5-8A	1	YE01160550000	SIC-58A-R2-P	
15	F1	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	1	YE01161700000	SIC-58A-R2-HP	
16	F2 F3	Thermo overload relay	SIEMENS	3RU5146-4HB0	36-50A	2	YE01514630000		
17	F4 F5	Thermo overload relay	SIEMENS	3RU6116-1EB0	2.8-4A	2	YE01160280000		
18	A1	Controller	PUNP	SF317500A	AC 10V	1	YE80317500900		
19	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----		
20	S3	Water tank temp. RTD	PUNP	RTD	----	1	----		
21	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----		
22	FU1	Fuse base	CHNT	RT18-32	32A 2P	1	YE41032200000		
23		Fuse core	MRO	10x38 500V	2A	2	YE46002000100		
24	S4 S6	HI pressure switch	----	----	----	2	----	(1)	
25	S5 S7	LO pressure switch	----	----	----	2	----	(1)	
概本		Ver.B	Notes: (1)Means it's not the material inside the control box.(2) Stands for optional the second by-pass valve. (3)Stands for optional the second by-pass valve. (4)Stands for optional liquid pipe valve.						
		Drawer	陆家权	Version	B	Title		Drawing NO.	
		Designer	陆家权	Approved by		SIC-58A-R2		Scale	Page 4
		Proofread by				Electrical Components List 1		Standard	Totally 5 Pages
		Checked by		Date	20161221	SIC-58A-R2-CE-230V-B-4		Voltage	230V
Mark		Before modification		Modified by		SHINI		Frequency	50Hz
		Modify date				信易塑料机械股份有限公司			
						Shini Plastics Technologies, Inc.			
1	2	3	4	5	6	7	8		



Mark	Before modification	Modified by	Modify date	Checked by	Approved by	Version	A	Title	SIC-75A-R2 Main Circuit Diagram	Drawing NO.	SIC-75A-R2-CE-230V-A-1	Scale	CE	Page	1
	After modification				陆家权	陆家权						Standard	Voltage	Totally	5
							20161223						Frequency	Pages	5

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Shini Plastics Technologies, Inc.

版本 Ver.B



X3

1	PE	1	1	PE	1
2	PE	2	1	PE	2
3	PE	3	1	PE	3
4	PE	4	1	PE	4
5	PE	5	1	PE	5
6	PE	6	1	PE	6
7	PE	7	1	PE	7
8	PE	8	1	PE	8
9	PE	9	1	PE	9
10	PE	10	1	PE	10
11	PE	11	1	PE	11
12	PE	12	1	PE	12
13	PE	13	1	PE	13
14	PE	14	1	PE	14
15	PE	15	1	PE	15
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28	PE	28	1	PE	28
29	PE	29	1	PE	29
30	PE	30	1	PE	30
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32	PE	32	1	PE	32
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38	PE	38	1	PE	38
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42	PE	42	1	PE	42
43	PE	43	1	PE	43
44	PE	44	1	PE	44
45	PE	45	1	PE	45
46	PE	46	1	PE	46
47	PE	47	1	PE	47
48	PE	48	1	PE	48
49	PE	49	1	PE	49
50	PE	50	1	PE	50

Connect to liquid pipe valve 1(option)

Connect to liquid pipe valve 2(option)

X2

1	PE	1	1	PE	1
2	PE	2	1	PE	2
3	PE	3	1	PE	3
4	PE	4	1	PE	4
5	PE	5	1	PE	5
6	PE	6	1	PE	6
7	PE	7	1	PE	7
8	PE	8	1	PE	8
9	PE	9	1	PE	9
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12	PE	12	1	PE	12
13	PE	13	1	PE	13
14	PE	14	1	PE	14
15	PE	15	1	PE	15
16	PE	16	1	PE	16
17	PE	17	1	PE	17
18	PE	18	1	PE	18
19	PE	19	1	PE	19
20	PE	20	1	PE	20
21	PE	21	1	PE	21
22	PE	22	1	PE	22
23	PE	23	1	PE	23
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26	PE	26	1	PE	26
27	PE	27	1	PE	27
28	PE	28	1	PE	28
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41	PE	41	1	PE	41
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43	PE	43	1	PE	43
44	PE	44	1	PE	44
45	PE	45	1	PE	45
46	PE	46	1	PE	46
47	PE	47	1	PE	47
48	PE	48	1	PE	48
49	PE	49	1	PE	49
50	PE	50	1	PE	50

Connect to power source of protector 2

Connect to power source of protector 1

Connect to compressor protector to protect the contacts 2

Connect to compressor protector to protect the contacts 1

Connect to cooling fan

Connect to hot air by-pass valve 2

Connect to hot air by-pass valve 1

Connect to water flow switch(Optional)

Connect to crankcase heating band 2(available)

Connect to crankcase heating band 1(available)

Connect to low pressure switch 2

Connect to high pressure switch 2

Connect to low pressure switch 1

Connect to high pressure switch 1

Connect to fan 1

Connect to fan 2

Connect to pump motor

Connect to compressor 1

Connect to compressor 2

Connect to power lines

X1

1	PE	1	1	PE	1
2	PE	2	1	PE	2
3	PE	3	1	PE	3
4	PE	4	1	PE	4
5	PE	5	1	PE	5
6	PE	6	1	PE	6
7	PE	7	1	PE	7
8	PE	8	1	PE	8
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17	PE	17	1	PE	17
18	PE	18	1	PE	18
19	PE	19	1	PE	19
20	PE	20	1	PE	20
21	PE	21	1	PE	21
22	PE	22	1	PE	22
23	PE	23	1	PE	23
24	PE	24	1	PE	24
25	PE	25	1	PE	25
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27	PE	27	1	PE	27
28	PE	28	1	PE	28
29	PE	29	1	PE	29
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35	PE	35	1	PE	35
36	PE	36	1	PE	36
37	PE	37	1	PE	37
38	PE	38	1	PE	38
39	PE	39	1	PE	39
40	PE	40	1	PE	40
41	PE	41	1	PE	41
42	PE	42	1	PE	42
43	PE	43	1	PE	43
44	PE	44	1	PE	44
45	PE	45	1	PE	45
46	PE	46	1	PE	46
47	PE	47	1	PE	47
48	PE	48	1	PE	48
49	PE	49	1	PE	49
50	PE	50	1	PE	50

U1 U1 V1 W1 PE U4 W4 PE U5 V5 PE U2 W2 PE U3 V3 PE PE

PE U4 W4 PE U5 V5 PE U2 W2 PE U3 V3 PE PE

Note: (1)Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.
 (2)Compressor, pump, solenoid valve, circuit board must be connected to the ground.

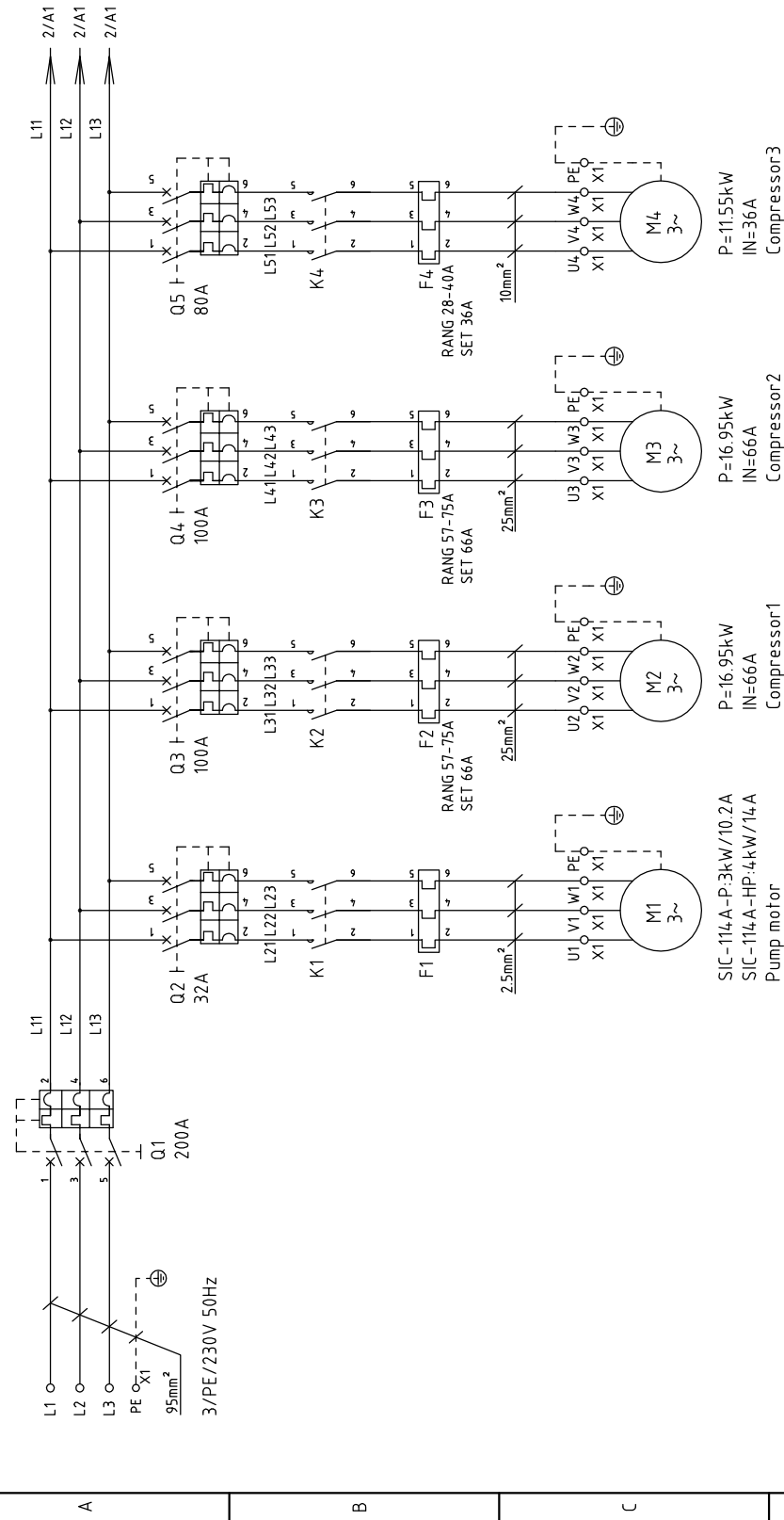
版本 Ver.B

Scale	Page	3
	Totally	5
Standard	CE	
	Voltage	230V
Frequency	Frequency	50Hz
	Drawing NO.	
Title		SIC-75A-R2
Electrical Components Layout		SIC-75A-R2-CE-230V-A-3
Drawer	Version	A
Designer	Approved by	陆家权
Proofread by	Date	20161223
Checked by	Modify date	
Modified by	After modification	
Mark	Before modification	



1	2		3	4	5	6	7	8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark	
1	Q1	Breaker interlock	ABB	A2B250TMF160/16003PFF	160A	1	YE41161500000		
2	Q2	Circuit breaker	TECO	BM-63C/3032S	32A	1	YE40303203000		
3	Q3 Q4	Circuit breaker	TECO	BM-100D/30100S	100A	2	YE40310003000	A	
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3020S	20A	2	YE40302003000		
5	K1	Contacto	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	1	YE00601721000	SIC-75A-R2-P	
6	K1	Contacto	SIEMENS	3RT6018-1AN21	220VAC 50/60Hz	1	YE00601800000	SIC-75A-R2-HP	
7		Auxiliary block	SIEMENS	3RH6911-1AA10	1NO	1	YE00691100000		
8	K2 K3	Contacto	SIEMENS	3RT5045-1AN20	220VAC 50/60Hz	2	YE00504500000		
9		Auxiliary block	SIEMENS	3RH5921-1CA01	1NC	2	YE00592110100		
10		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000		
11		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	(2)	
12		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	2	YE00592110000	(4)	
13	K4 K5	Contacto	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	2	YE00601721000		
14	F1	Thermo overload relay	SIEMENS	3RU6116-1KB0	9-12.5A	1	YE01169125000	SIC-75A-R2-P	
15	F1	Thermo overload relay	SIEMENS	3RU6116-4AB0	11-16A	1	YE01611640000	SIC-75A-R2-HP	
16	F2 F3	Thermo overload relay	SIEMENS	3RU5146-4KB0	57-75A	2	YE01514650000		
17	F4 F5	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	2	YE01167100000		
18	A1	Controllor	PUNP	SF317500A	AC 10V	1	YE80317500900		
19	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----		
20	S3	Water tank temp. RTD	PUNP	RTD	----	1	----		
21	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----		
22	FU1	Fuse base	CHNT	RT18-32	32A 2P	1	YE41032200000		
23		Fuse core	MRO	10×38 500V	2A	2	YE46002000100		
24	S4 S6	HI pressure switch	----	----	----	2	----	(1)	
25	S5 S7	L0 pressure switch	----	----	----	2	----	(1)	
概本		Ver.B	Notes: (1)Means it's not the material inside the control box.(2) Stands for optional the second by-pass valve. (3)Stands for optional water flow switch.(4)Stands for optional liquid pipe valve.						
			Drawer	Version	Title	Drawing NO.		Page	
			Designer	Approved by	SIC-75A-R2	SIC-75A-R2-CE-230V-A-4		4	
			Proofread by		Electrical Components List 1			Scale	
			Checked by	Date				Standard	
			Modified by	20161223				Voltage	
			Modify date					Frequency	
			Before modification					CE	
			After modification					230V	
								50Hz	
								Totally	
								5	
								Pages	
								8	

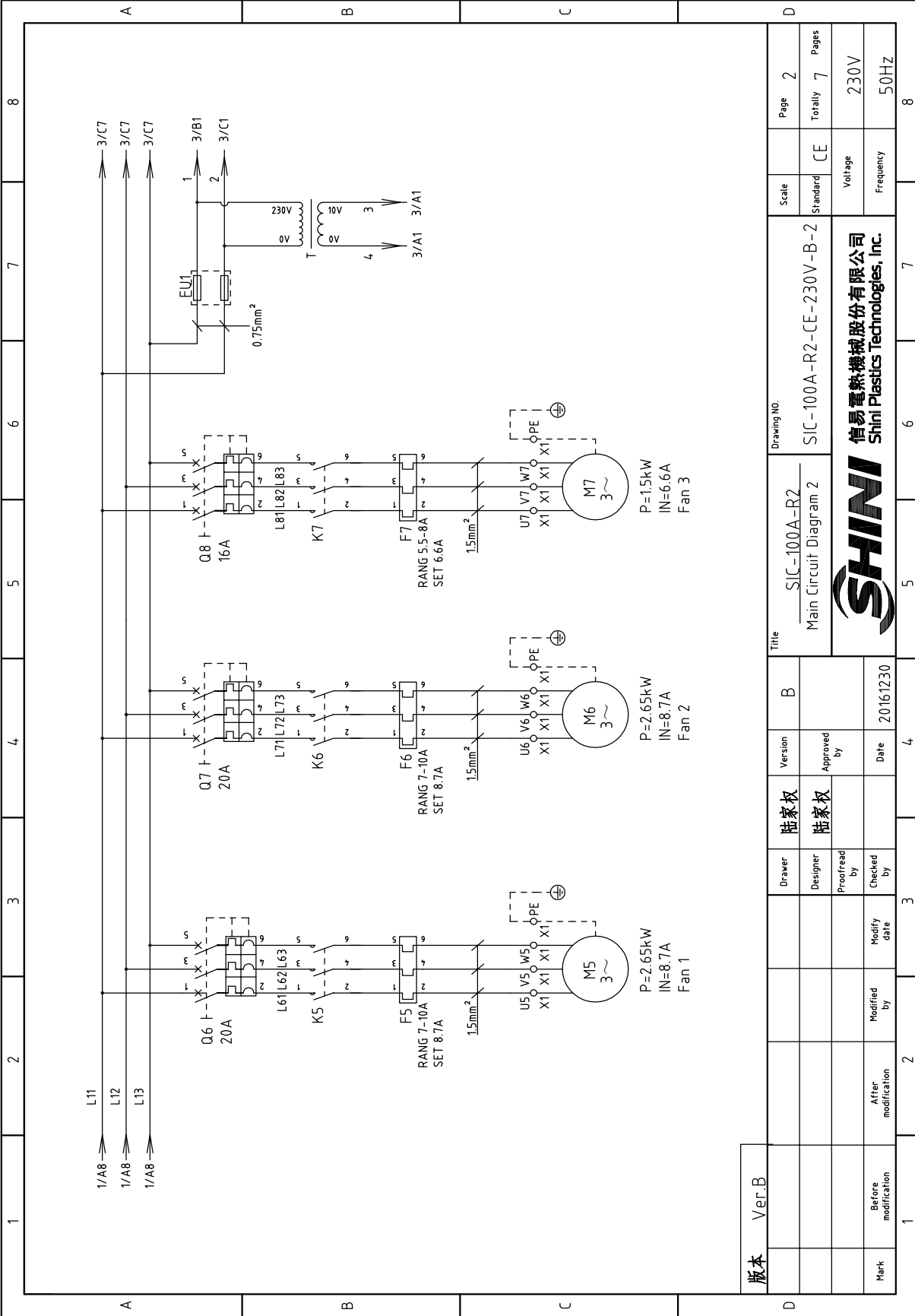




版本 Ver.B

Mark	Before modification	Modified by	Modify Date	3	4	Date	20161230	Checked by	20161230	Designer	陆家权	Proofread by	陆家权	Version	B	Title	SIC-100A-R2		Drawing NO.	SIC-100A-R2-CE-230V-B-1	Scale	Page 1
	After modification	Modified by	Modify Date														Standard	CE				Totally 7
																	Voltage	230V				
																	Frequency	50Hz				
																	Page 1	8				





版本	Ver.B
Mark	Before modification
	After modification
	Modify date
	Checked by
	Proofofread by
	Designer
	Drawer

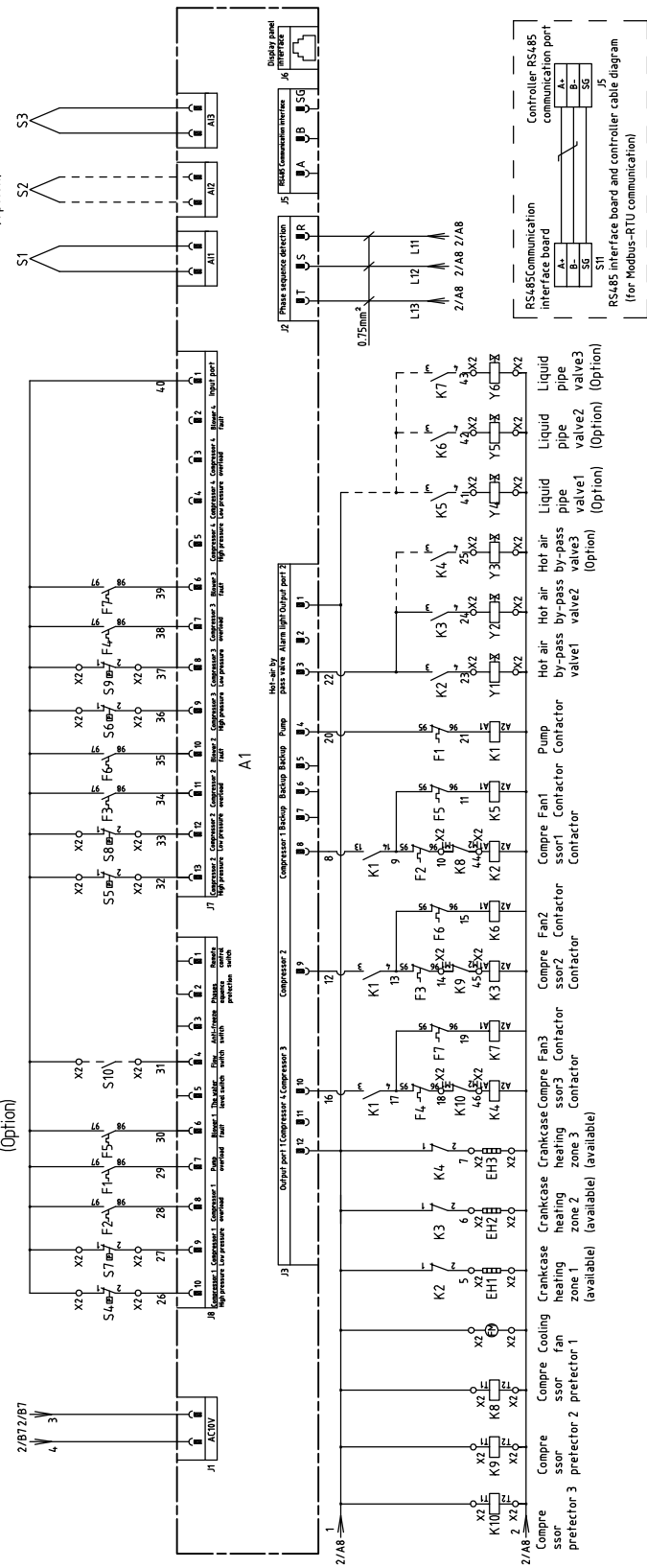
陆家权	Version	B
陆家权	Approved by	
	Date	20161230

SHINI	信易电热机械股份有限公司 Shini Plastics Technologies, Inc.
Title SIC-100A-R2 Main Circuit Diagram 2	
Drawing NO. SIC-100A-R2-CE-230V-B-2	

Scale	Page	2
Standard	Totally	7
CE	Pages	230V
Voltage	Frequency	50HZ

Freezing temp. Ambient temp. Tank temp.
thermal thermal
resistance resistance
(Option) (Option)

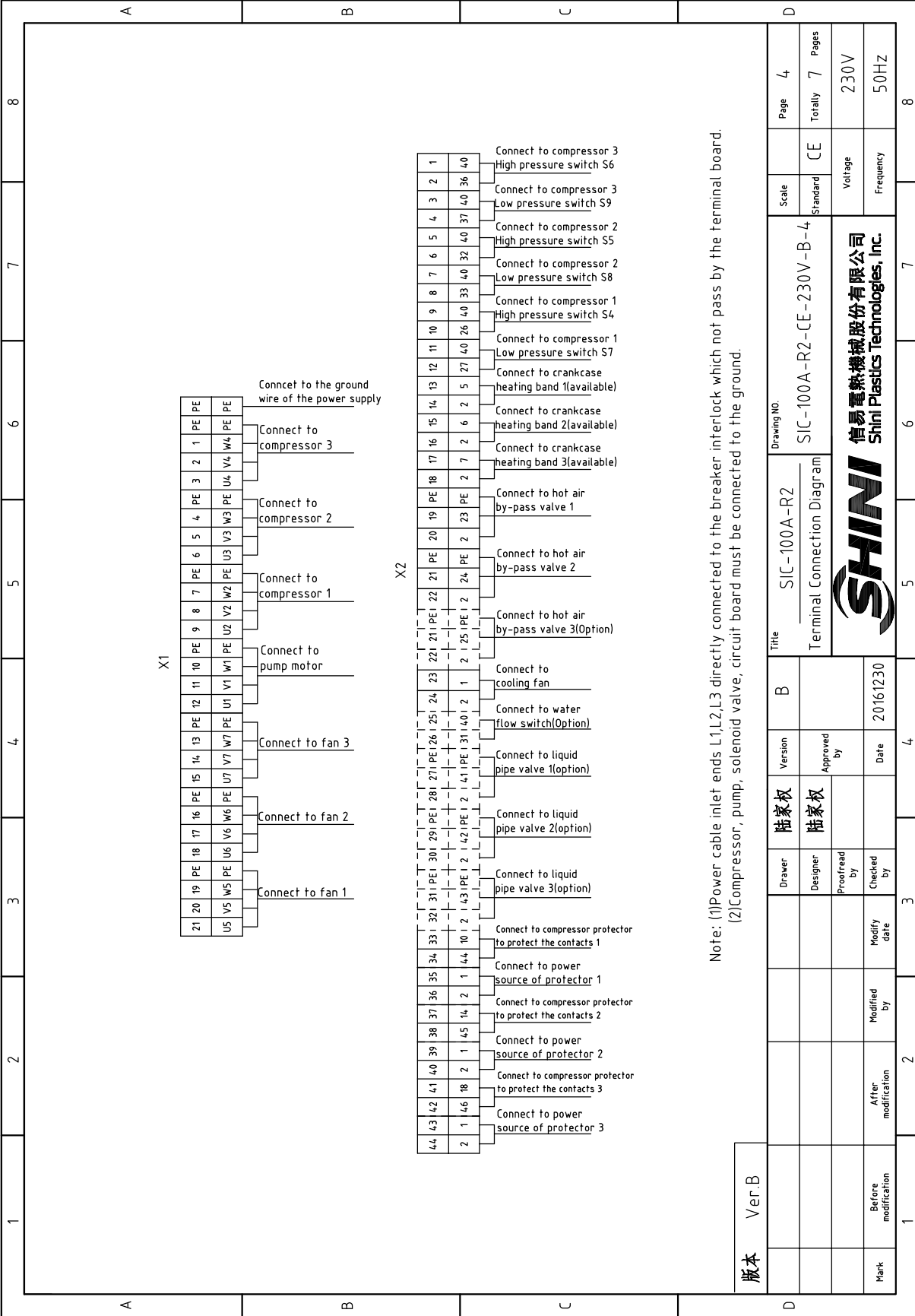
Water flow switch
(Option)



版本 Ver.B


Mark	Before modification	Modified by	20161230	4	Date	Checked by	Approved by	Version	B	Title	SIC-100A-R2	Drawing NO.	SIC-100A-R2-CE-230V-B-3	Scale	CE	Page	3
	After modification	Modify date	20161230	4					Standard		Voltage		Totally		7		Frequency
1				3	5					Control Circuit Diagram							8



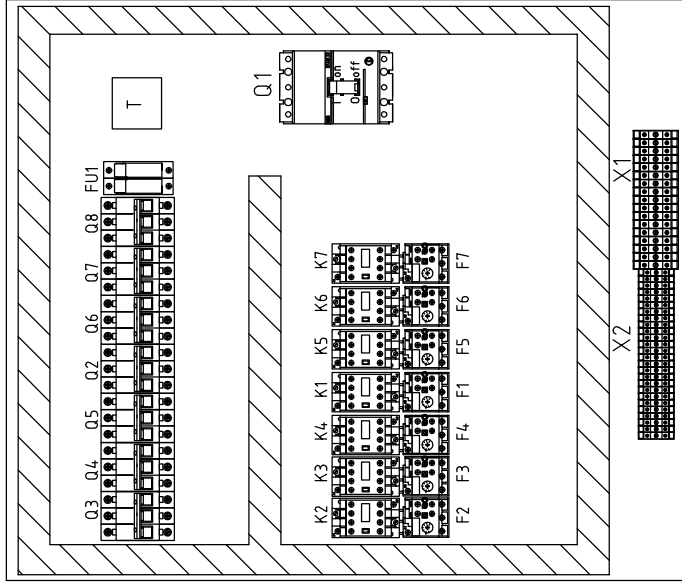
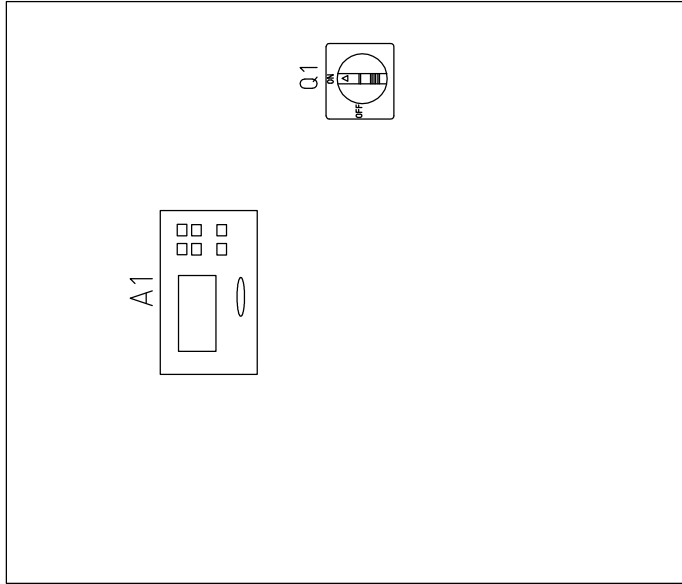


Note: (1)Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.
(2)Compressor, pump, solenoid valve, circuit board must be connected to the ground.

版本 Ver.B

Mark	Before modification	Modified by	Modify date	Checked by	Date	Approved by	Version	B	Title	SIC-100A-R2	Terminal Connection Diagram	Scale	Standard	CE	Page	4	Totally	7	Pages	230V	50Hz
Drawer	陆家权	Designer	陆家权	Proofread by	2016/12/30	Approved by			Drawing NO.	SIC-100A-R2-CE-230V-B-4		Standard	CE	CE	Page	4	Totally	7	Pages	230V	50Hz
 SHINI 信易塑料机械股份有限公司 Shini Plastics Technologies, Inc.																					

1 2 3 4 5 6 7 8



版本 Ver.B

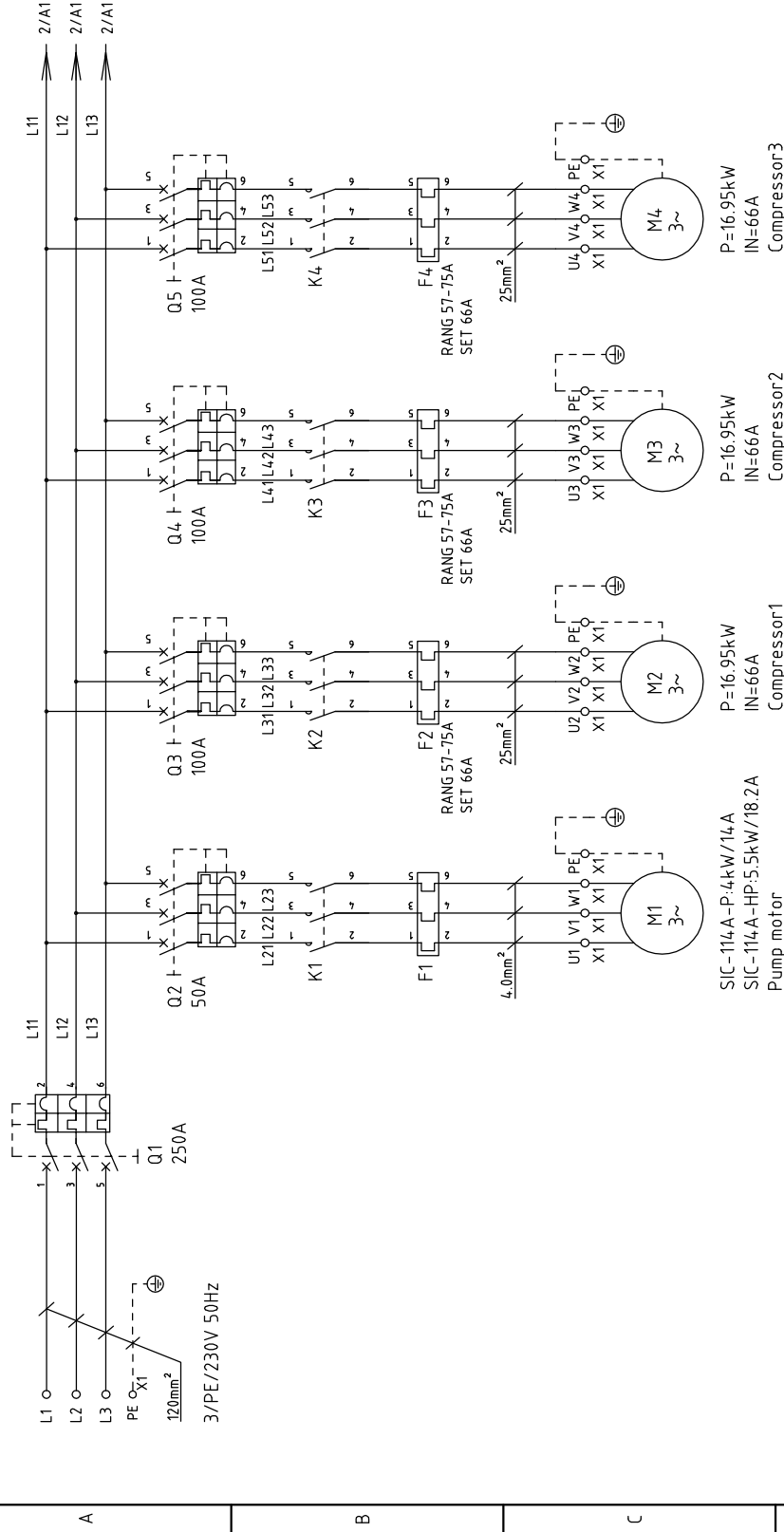
Mark	Before modification	Modified by	Modify date	Checked by	Date	Approved by	Version	B	Title	Drawing NO.	Scale	Page
					20161230	陆家权	陆家权		SIC-100A-R2	SIC-100A-R2-CE-230V-B-5	CE	5
	After modification								Electrical Components Layout		Standard	Totally 7
												Pages
												230V
												50HZ

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 Shini Plastics Technologies, Inc.

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	
1	Q1	Breaker interlock	ABB	A2B250TMF200/20003PFF	200A	1	YE41252200000		
2	Q2	Circuit breaker	TECO	BM-63C/3032S	32A	1	YE40303203000		
3	Q3 Q4	Circuit breaker	TECO	BM-100D/30100S	100A	2	YE40310003000	A	
4	Q5	Circuit breaker	TECO	BM-100D/3080S	80A	2	YE40308003000		
5	Q6 Q7	Circuit breaker	TECO	BM-63C/3020S	20A	2	YE40302003000		
6	Q8	Circuit breaker	TECO	BM-63C/3016S	16A	1	YE40301603000		
7	K1	Contactor	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	1	YE00601721000	SIC-100A-R2-P	
8	K1	Contactor	SIEMENS	3RT6018-1AN21	220VAC 50/60Hz	1	YE00601800000	SIC-100A-R2-HP	
9		Auxiliary block	SIEMENS	3RH6911-1HA22	2NO+2NC	1	YE00691100000		
10	K2 K3	Contactor	SIEMENS	3RT5045-1AN20	220VAC 50/60Hz	2	YE00504500000		
11	K4	Contactor	SIEMENS	3RT5035-1AN20	220VAC 50/60Hz	1	YE00503500000	B	
12		Auxiliary block	SIEMENS	3RH5921-1CA01	1NC	3	YE00592110100		
13		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	2	YE00592110000		
14		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	(2)	
15		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	3	YE00592110000	(4)	
16	K5 K6 K7	Contactor	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	3	YE00601721000		
17	FU1	Fuse base	CHNT	RT18-32	32A 2P	1	YE41032200000		
18		Fuse core	MRO	10×38	2A	2	YE46002000100		
19	A1	Controller	PUNP	SF317502A	AC 10V	1	YE80317500800	C	
20	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----		
21	S3	Water tank temp. RTD	PUNP	RTD	----	1	----		
22	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----		
23	F1	Thermo overload relay	SIEMENS	3RU6116-1KB0	9-12.5A	1	YE01169125000	SIC-100A-R2-P	
24	F1	Thermo overload relay	SIEMENS	3RU6116-4AB0	11-16A	1	YE01611640000	SIC-100A-R2-HP	
25	F2 F3	Thermo overload relay	SIEMENS	3RU5146-4KB0	57-75A	2	YE01514650000		
概本 Ver.B Notes: (1)Means it's not the material inside the control box.(2) Stands for optional the third by-pass valve. (3)Stands for optional water flow switch.(4)Stands for optional liquid pipe valve.									
				Drawer	Version	Title		Drawing NO.	
				Designer	Approved by	SIC-100A-R2		Scale	Page
				Proofread by		Electrical Components List 1		Standard	6
				Checked by	Date	SIC-100A-R2-CE-230V-B-6			7
				Modified by	20161230	SHINI		Voltage	230V
				Before modification		信易塑料机械股份有限公司		Frequency	50HZ
				After modification		Shini Plastics Technologies, Inc.			8
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1	2		3	4	5	6	7	8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark	
26	F4	Thermo overload relay	SIEMENS	3RU5136-4FB0	28-40A	1	YE01513600100		
27	F5 F6	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	2	YE01167100000		
28	F7	Thermo overload relay	SIEMENS	3RU6116-1HB0	5.5-8A	1	YE01160550000	A	
29	S4 S5 S6	HI pressure switch	----	----	----	3	----	(1)	
30	S7 S8 S9	LO pressure switch	----	----	----	3	----	(1)	
31	S10	Water flow switch	----	----	----	1	----	(1)(3)	
32	S11	Communication interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)	
33	X1	Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(1)	
34	X1	Terminal board	----	SK2.5	----	12	YE60002503200		
35	X1	Terminal board	----	GK2.5PE	----	4	YE60002503400		
36	X1	Terminal board	----	GK35	----	6	YE60003503200	B	
37	X1	Terminal board	----	GK35PE	----	3	YE60003503500		
38	X1	Terminal board	----	GK10	----	3	YE60001003200		
39	X1	Terminal board	----	GK10PE	----	1	YE60001003500		
40	X2	Terminal board	----	SK2.5	----	34	YE60002503200		
41	X2	Terminal board	----	GK2.5PE	----	2	YE60002503400		
42	X2	Terminal board	----	SK2.5	----	2	YE60002503200	(1)(2)	
43	X2	Terminal board	----	GK2.5PE	----	1	YE60002503400	(1)(2)	
44	X2	Terminal board	----	SK2.5	----	2	YE60002503200	(1)(3)	
45	X2	Terminal board	----	SK2.5	----	6	YE60002503200	(1)(4)	
46	X2	Terminal board	----	GK2.5PE	----	3	YE60002503400	(1)(4)	
47	Y1 Y2	Solenoid valve	----	----	230V 50/60Hz	2	----	(1)	
48	Y3	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)(2)	
49	Y4 Y5 Y6	Solenoid valve	----	----	230V 50/60Hz	3	----	(1)(4)	
50	M1	Pump motor	----	----	230V 50/60Hz 3KW	1	SIC-100A-R2-P	(1)	
版本		Ver.B	Notes: (1)Means it's not the material inside the control box.(2) Stands for optional the third by-pass valve. (3)Stands for optional water flow switch.(4)Stands for optional liquid pipe valve.						
D		Title		Drawing NO.		Scale		Page	
		SIC-100A-R2		SIC-100A-R2-CE-230V-B-7		CE		7	
		Electrical Components List 2				Voltage		230V	
						Frequency		50Hz	
Mark		Before modification		After modification		Modify date		Checked by	
						20161230			
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																Totally	7	
																	Voltage	230V
																	Frequency	50Hz
																		8



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Voltage

230V

Frequency

50Hz

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Voltage

230V

Frequency

50Hz

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Voltage

230V

Frequency

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Voltage

230V

Frequency

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Voltage

230V

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Voltage

230V

Frequency

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Voltage

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Frequency

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Scale

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Totally

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Voltage

230V

Frequency

50Hz

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Voltage

230V

Frequency

50Hz

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Scale

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Voltage

230V

Frequency

50Hz

Checked by

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Main Circuit Diagram 1

Drawing NO.

SIC-114A-R2-CE-230V-B-1

Scale

CE

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Totally

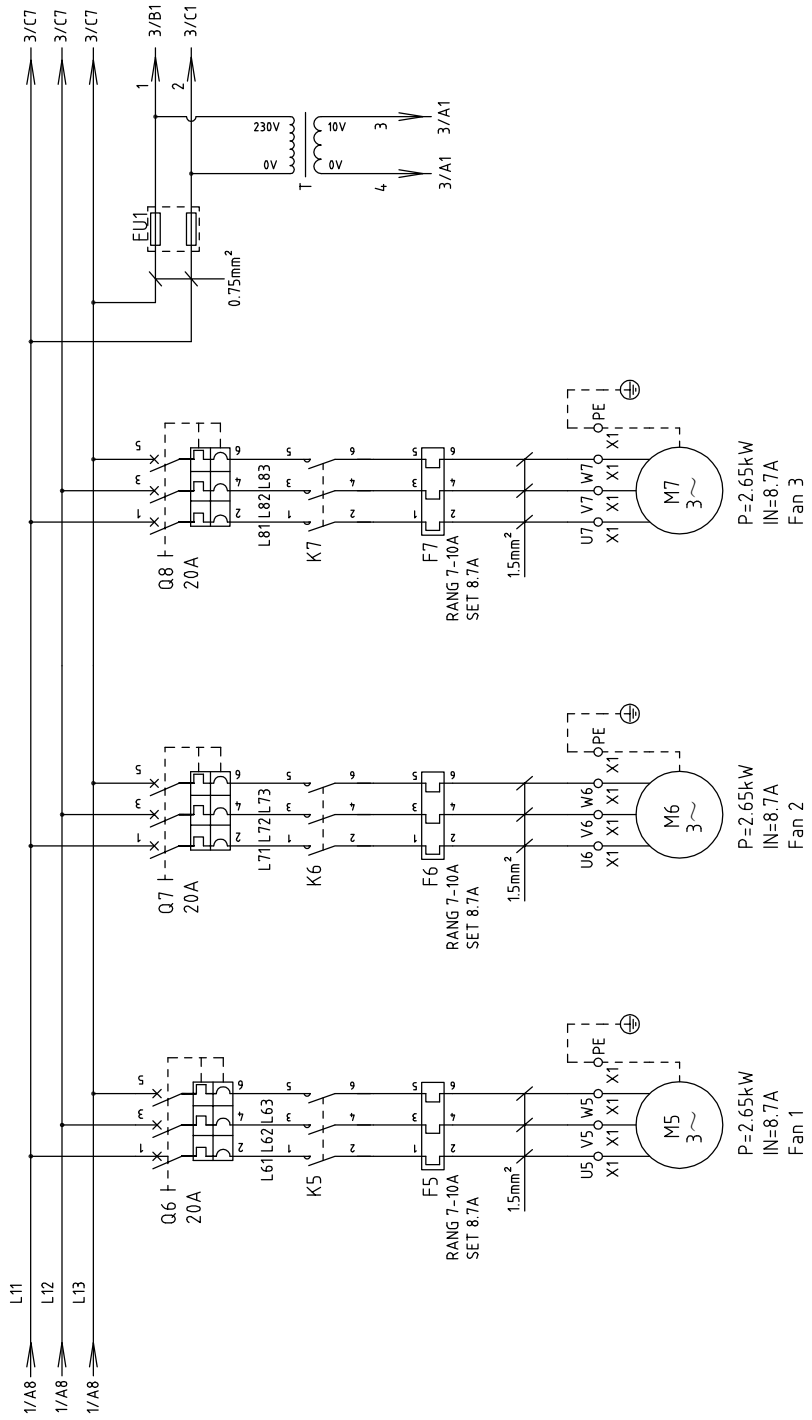
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Voltage

230V

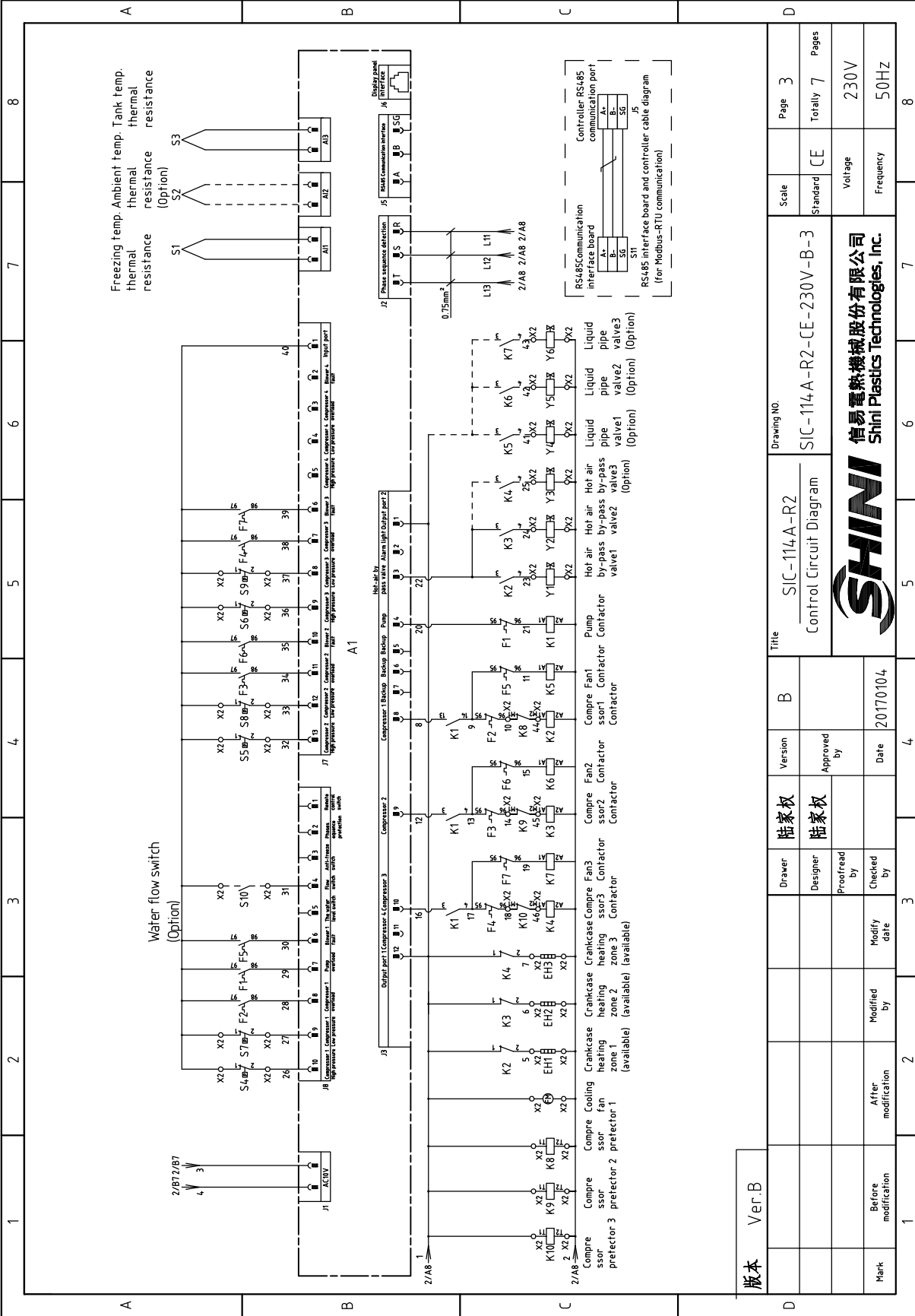
Frequency

50Hz



版本 Ver.B

Mark	Before modification	Modified by	Modify date	Checked by	Date	Approved by	Version	B	Title	SIC-114-A-R2	Drawing NO.	Scale	Page
	After modification											Standard	2
										SIC-114-A-R2-CE-230V-B-2		CE	Totally
										SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	Pages
												Frequency	7
												230V	8
												50Hz	

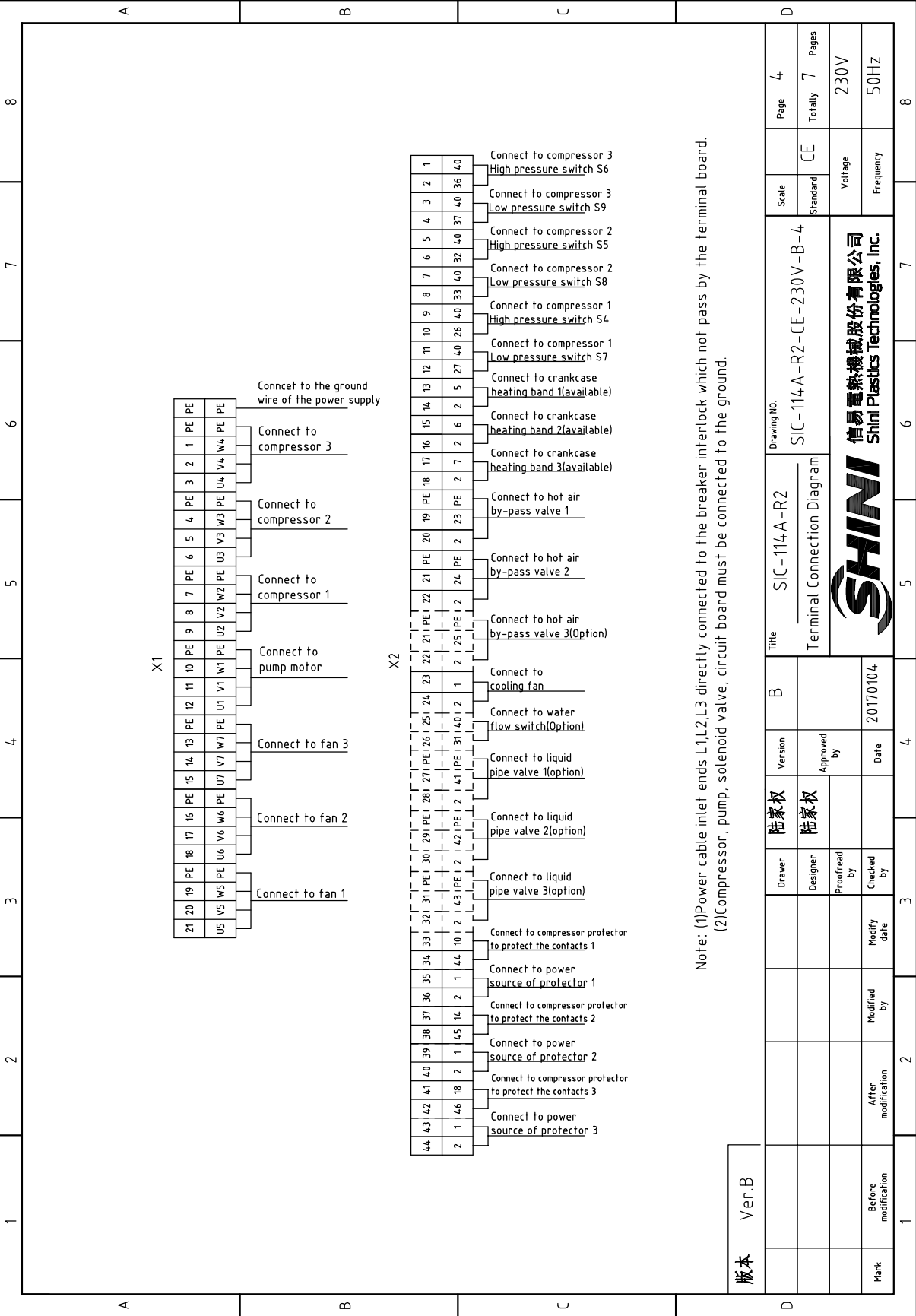


Freezing Temp. Ambient Temp. Tank Temp. thermal resistance (Option)
 thermal resistance (Option)
 S1 S2 S3

Water flow switch (Optional)

版本 Ver.B

D	Scale	Page 3	Drawing NO.	SIC-114A-R2-CE-230V-B-3	Page 3
	Standard	CE			
Title		SIC-114A-R2		Voltage 230V	
Control Circuit Diagram		SHINI		Frequency 50Hz	
Designer		陆家权		Shini Plastics Technologies, Inc.	
Approved by		陆家权		20170104	
Checked by		Date		4	
Modify date		Date		2	
Mark		Before modification		1	
After modification		Date		2	
Before modification		Date		3	
After modification		Date		4	
Mark		Date		5	
Before modification		Date		6	
After modification		Date		7	
Before modification		Date		8	
After modification		Date		8	



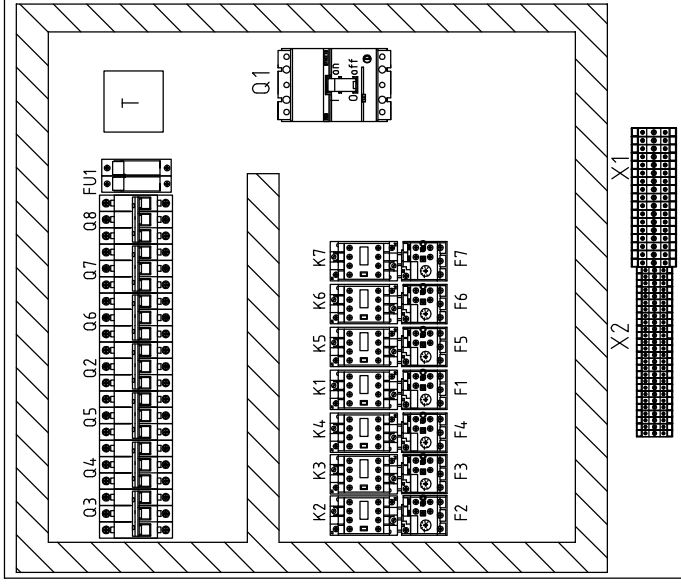
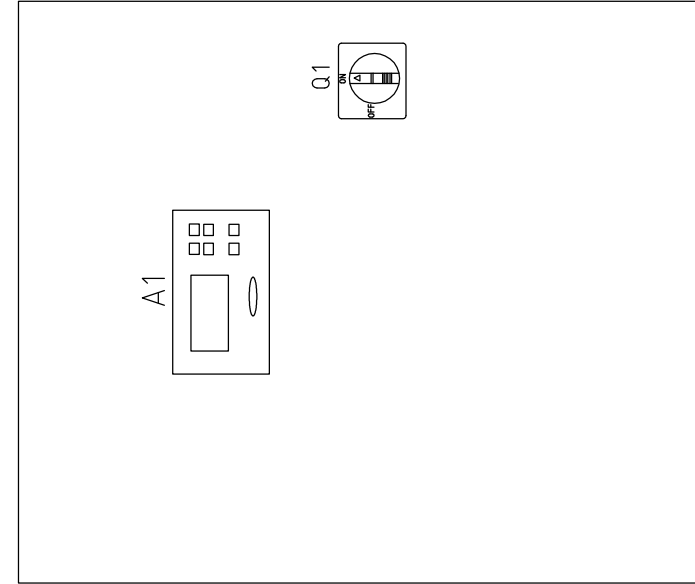
Note: (1)Power cable inter ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.
 (2)Compressor, pump, solenoid valve, circuit board must be connected to the ground.

版本 Ver.B

Mark	Before modification	Modified by	20170104	Date	Version	B	Title	SIC-114A-R2	Drawing NO.	SIC-114A-R2-CE-230V-B-4	Scale	Page
											Standard	Totally
											CE	4
												7
												230V
												50Hz
												8



1 2 3 4 5 6 7 8



版本 Ver.B

Title		SIC-114A-R2		Drawing NO.		SIC-114A-R2-CE-230V-B-5		Scale		Page 5	
Electrical Components Layout		Electrical Components Layout		Electrical Components Layout		Electrical Components Layout		Standard		CE	
Designer		陆家权		Version		陆家权		Voltage		230V	
Proofread by		陆家权		Approved by		陆家权		Frequency		50Hz	
Checked by				Date		20170104					
Modified by				Modify date							
Before modification				After modification							
Mark										Totally 7 Pages	



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	
1	Q1	Breaker interlock	ABB	A2B250TMF250/25003PFF	250A	1	YE41252800000		
2	Q2	Circuit breaker	TECO	BM-63C/3050S	50A	1	YE40305003000		
3	Q3 Q4 Q5	Circuit breaker	TECO	BM-1000D/3100S	100A	3	YE403100003000	A	
4	Q6 Q7 Q8	Circuit breaker	TECO	BM-63C/3020S	20A	3	YE40302003000		
5	K1	Contacto	SIEMENS	3RT6026-1AN20	220VAC 50/60Hz	1	YE00602622000		
6		Auxiliary block	SIEMENS	3RH6911-1HA22	2NO+2NC	1	YE00691100000		
7	K2 K3 K4	Contacto	SIEMENS	3RT5045-1AN20	220VAC 50/60Hz	3	YE00504500000		
8		Auxiliary block	SIEMENS	3RH5921-1CA01	1NC	3	YE00592110100		
9		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	2	YE00592110000		
10	Q2	Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	(2)	
11		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	3	YE00592110000	(4)	
12	K5 K6 K7	Contacto	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	3	YE00601721000	B	
13	FU1	Fuse base	CHNT	RT18-32	32A 2P	1	YE41032200000		
14		Fuse core	MRO	10x38	2A	2	YE46002000100		
15	A1	Controller	PUNP	SF317502A	AC 10V	1	YE80317500800		
16	S1	Anti-freezing temp. RTD	PUNP	RTD	----	1	----		
17	S3	Water tank temp. RTD	PUNP	RTD	----	1	----		
18	T	Transformer	PUNP	IN=220V OUT=9.8V	----	1	----		
19	F1	Thermo overload relay	SIEMENS	3RU6126-4AB0	11-16A	1	YE01260110000	SIC-114A-R2-P	
20	F1	Thermo overload relay	SIEMENS	3RU6126-4BB0	14-20A	1	YE01260140000	SIC-114A-R2-HP	
21	F2 F3 F4	Thermo overload relay	SIEMENS	3RU5146-4KB0	57-75A	3	YE01514650000		
22	F5 F6 F7	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	3	YE01167100000		
23	S4 S5 S6	HI pressure switch	----	----	----	3	----	(1)	
24	S7 S8 S9	L0 pressure switch	----	----	----	3	----	(1)	
25	S10	Water flow switch	----	----	----	1	----	(1)(3)	
概本		Ver.B	Notes: (1)Means it's not the material inside the control box.(2) Stands for optional the third by-pass valve. (3)Stands for optional water flow switch.(4)Stands for optional liquid pipe valve.						
		Drawer	陆家权	Version	SIC-114A-R2		Scale	Page 6	
		Designer	陆家权	Approved by	Electrical Components List 1		Standard	Totally 7 Pages	
		Proofread by		Date	SIC-114A-R2-CE-230V-B-6		Voltage	230V	
		Checked by			SHINI		Frequency	50Hz	
		Modified by			信易塑料机械股份有限公司				
		Modify date	20171014		Shini Plastics Technologies, Inc.				
1	2	3	4	5	6	7	8		

