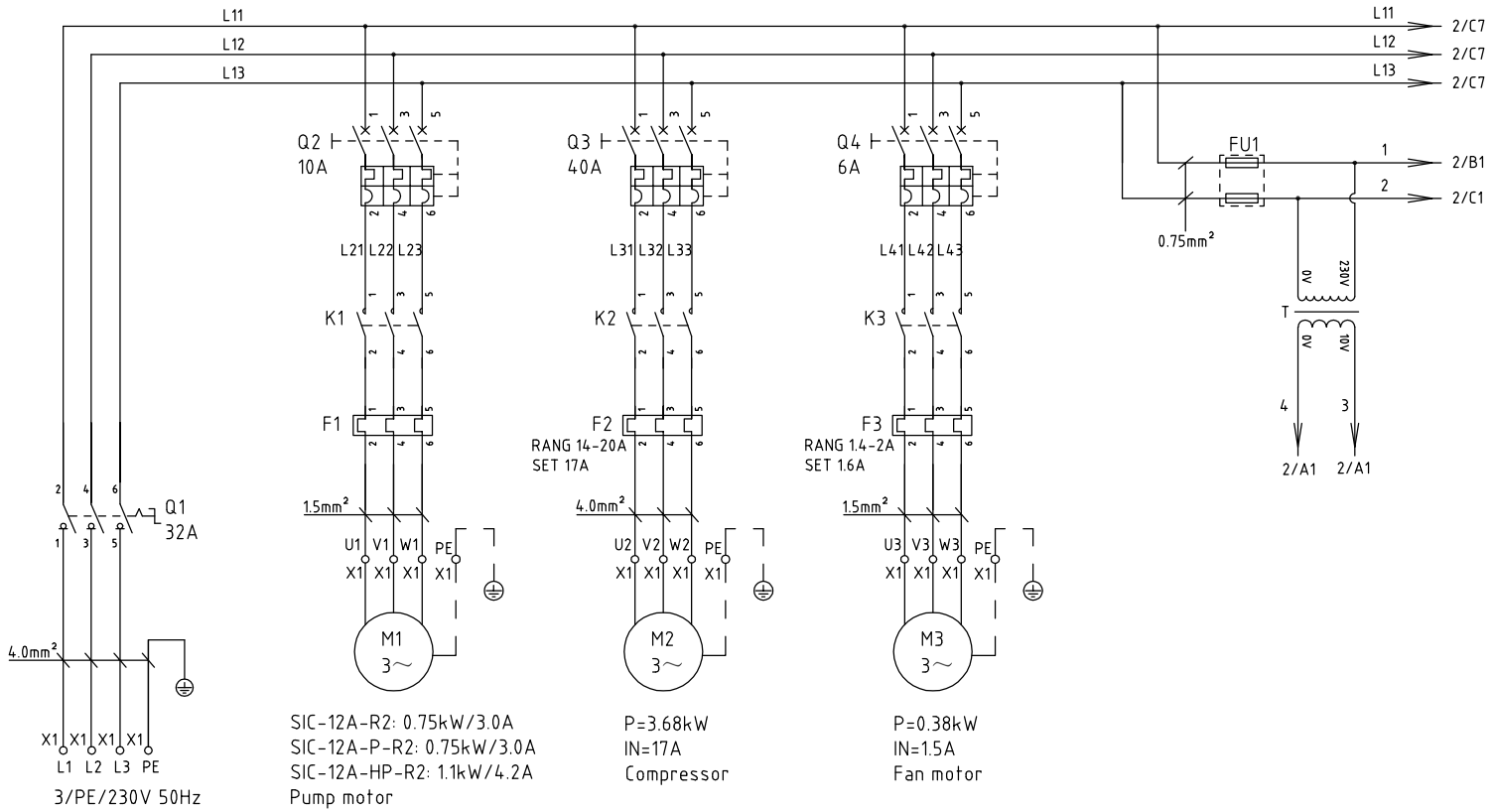
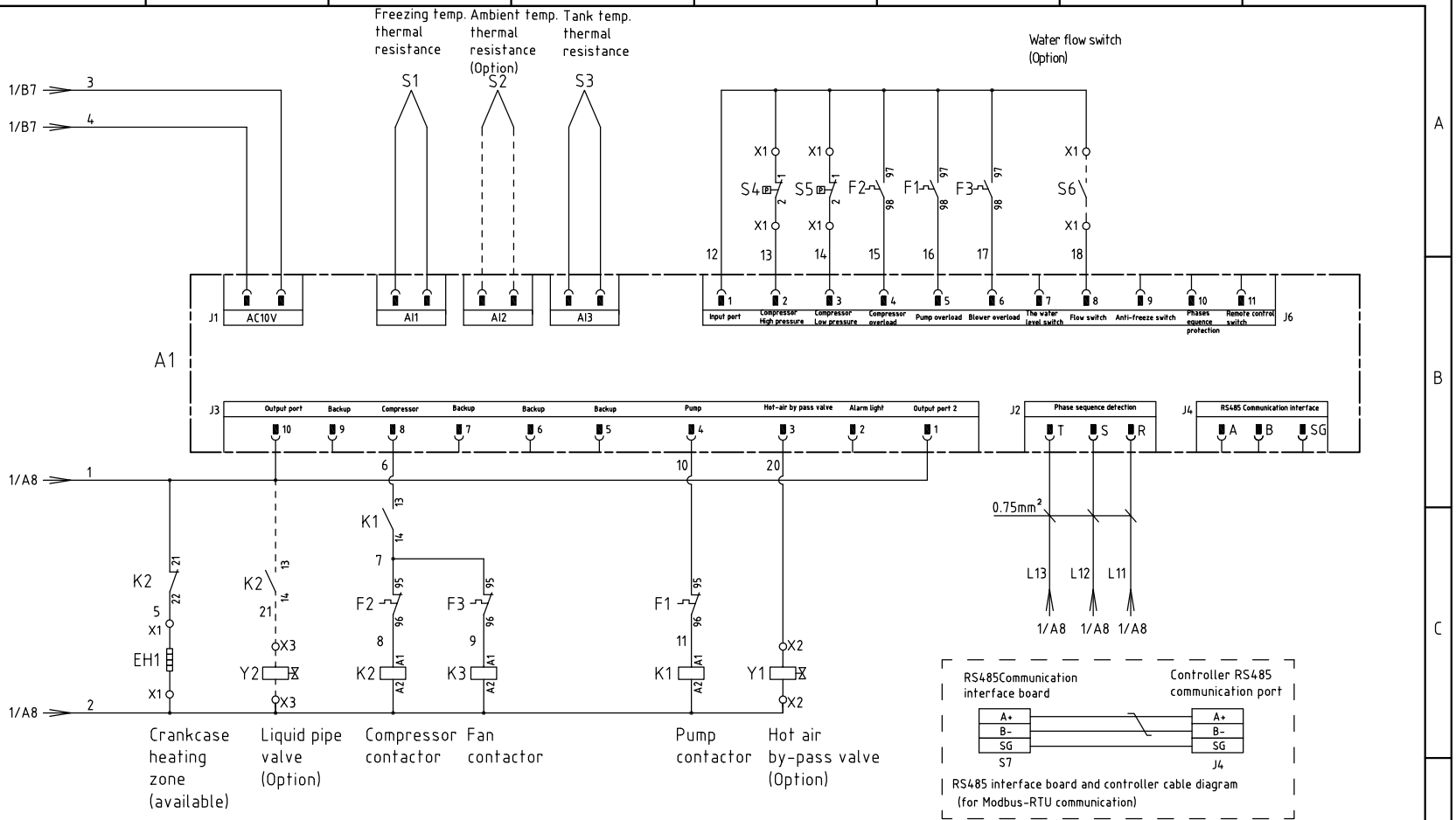


版本 Ver.C

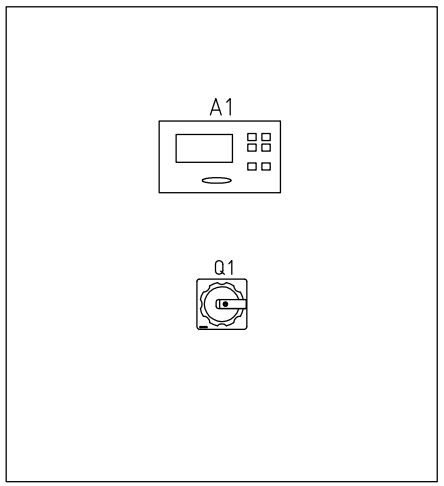
					Drawer	陆家权	Version	A	Title: SIC-12A-R2 Main Circuit Diagram	Drawing NO.: SIC-12A-R2-CE-230V-A-1
					Designer	陆家权	Approved by			
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161202		

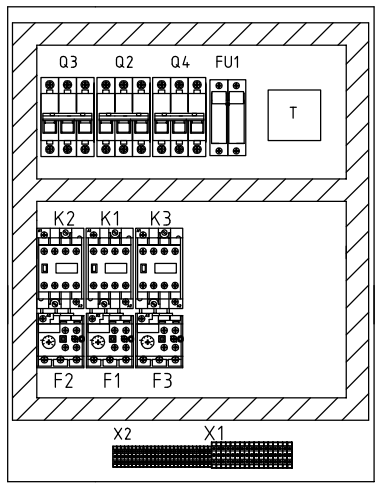
Scale		Page	1
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

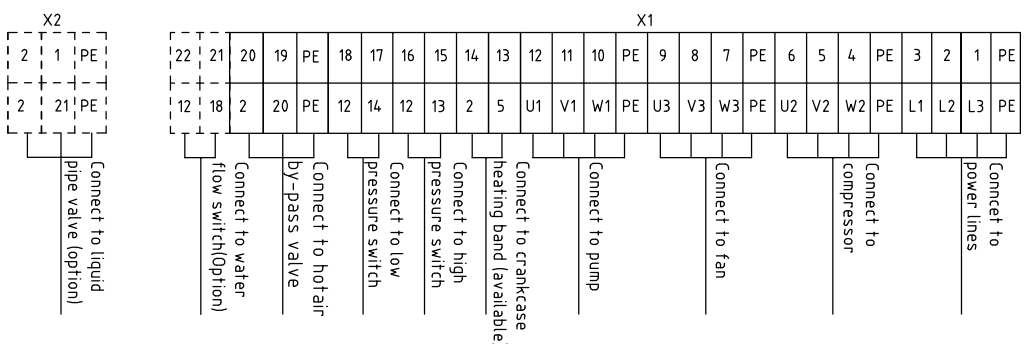


版本 Ver.C

					Drawer	陆家权	Version	A	Title: SIC-12A-R2 Control Circuit Diagram	Drawing NO.: SIC-12A-R2-CE-230V-A-2	Scale: / Page: 2
					Designer	陆家权	Approved by				Standard: CE Totally: 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161202			Frequency: 50Hz







版本 Ver.C

					Drawer	陆家权	Version	A	Title: SIC-12A-R2 Electrical Components Layout	Drawing NO.: SIC-12A-R2-CE-230V-A-3	Scale: Page 3
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161202			Frequency: 50Hz

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	
4	Q4	Circuit breaker	TECO	BM-63C/3006S	6A	1	YE40300603000	
5	K1	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contactor	SIEMENS	3RT6026-1AN20	220VAC 50/60Hz	1	YE00602622000	
7	K3	Contactor	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	CHNT	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	HI pressure switch	----	----	----	1	----	(1)
20	S5	LO 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		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(1)
24	X1	Terminal board	----	SK6	----	3	YE60000603200	
25		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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	A
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161202

Title: SIC-12A-R2 Electrical Components List 1

Drawing NO.: SIC-12A-R2-CE-230V-A-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26		Terminal board	----	SK4	----	3	YE60000403200	
27		Terminal board	----	GK5PE	----	1	YE60000403500	
28		Terminal board	----	SK2.5	----	14	YE60002503200	
29		Terminal board	----	GK2.5PE	----	3	YE60002503400	
30		Terminal board	----	SK2.5	----	2	YE60002503200	(3)
31	X2	Terminal board	----	SK2.5	----	2	YE60002503200	(2)
32		Terminal board	----	GK2.5PE	----	1	YE60002503400	(2)
33	Y1	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)
34	Y2	Solenoid valve	----	----	230V 60Hz	1	----	(1)(2)
35	M1	Pump motor	----	LO pressure pump0.75KW	230V 50/60Hz	1	---- (SIC-12A-R2)	(1)
36	M1	Pump motor	----	MID pressure pump0.75KW	230V 50/60Hz	1	---- (SIC-12A-R2-P)	(1)
37	M1	Pump motor	----	HI pressure pump1.5KW	230V 50/60Hz	1	---- (SIC-12A-R2-HP)	(1)
38	M2	Compressor	----	----	230V 50/60Hz 6.95kW	1	----	(1)
39	M3	Fan motor	----	----	230V 50/60Hz 0.725kW	1	----	(1)
40	EH1	Crankcase heating zone	----	----	230V 50/60HZ 35W	1	----	(1)

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.

Mark	Before modification	After modification	Modified by	Modify date

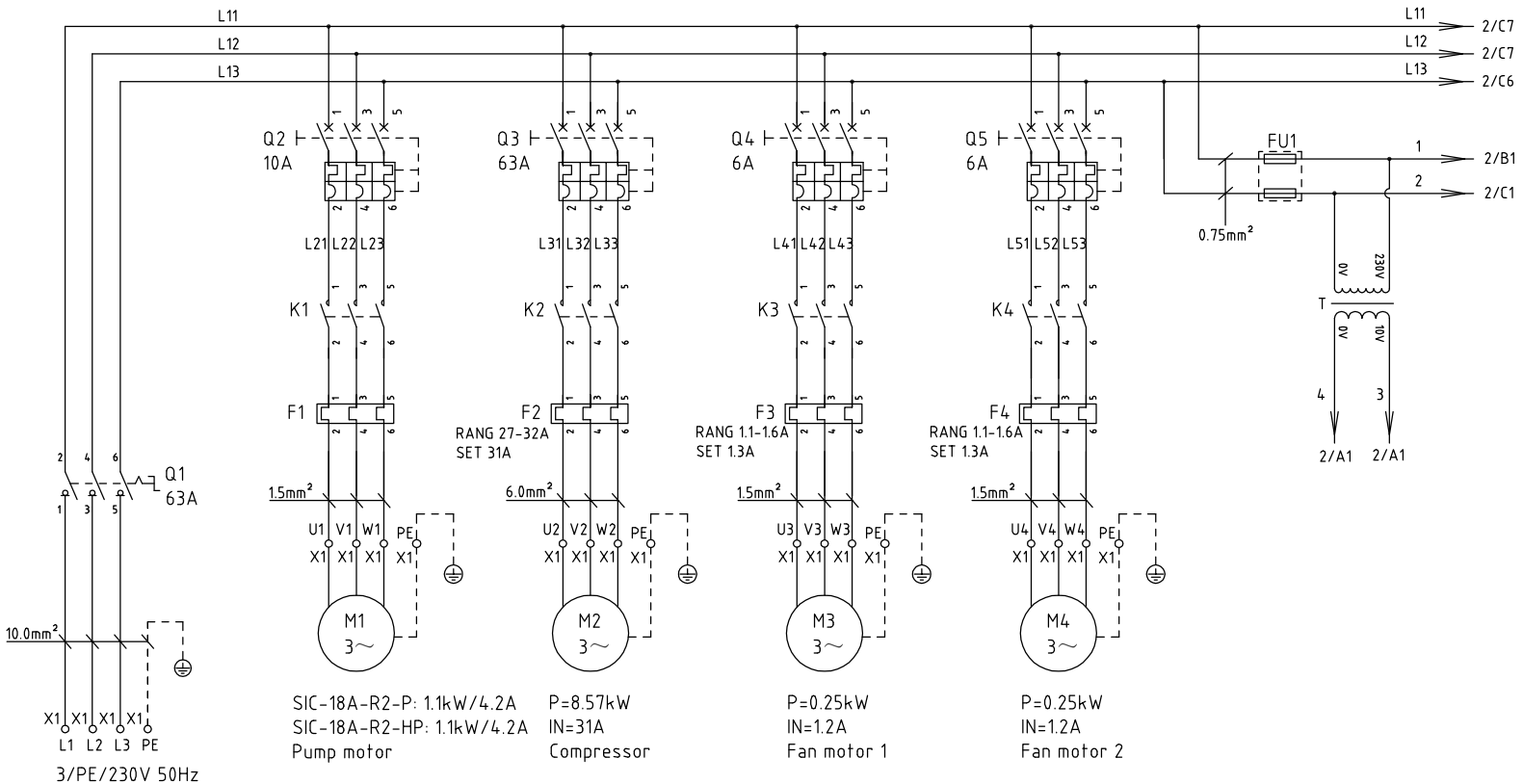
Drawer	陆家权	Version	A
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161202

Title: SIC-12A-R2 Electrical Components List 2

Drawing NO.: SIC-12A-R2-CE-230V-A-5

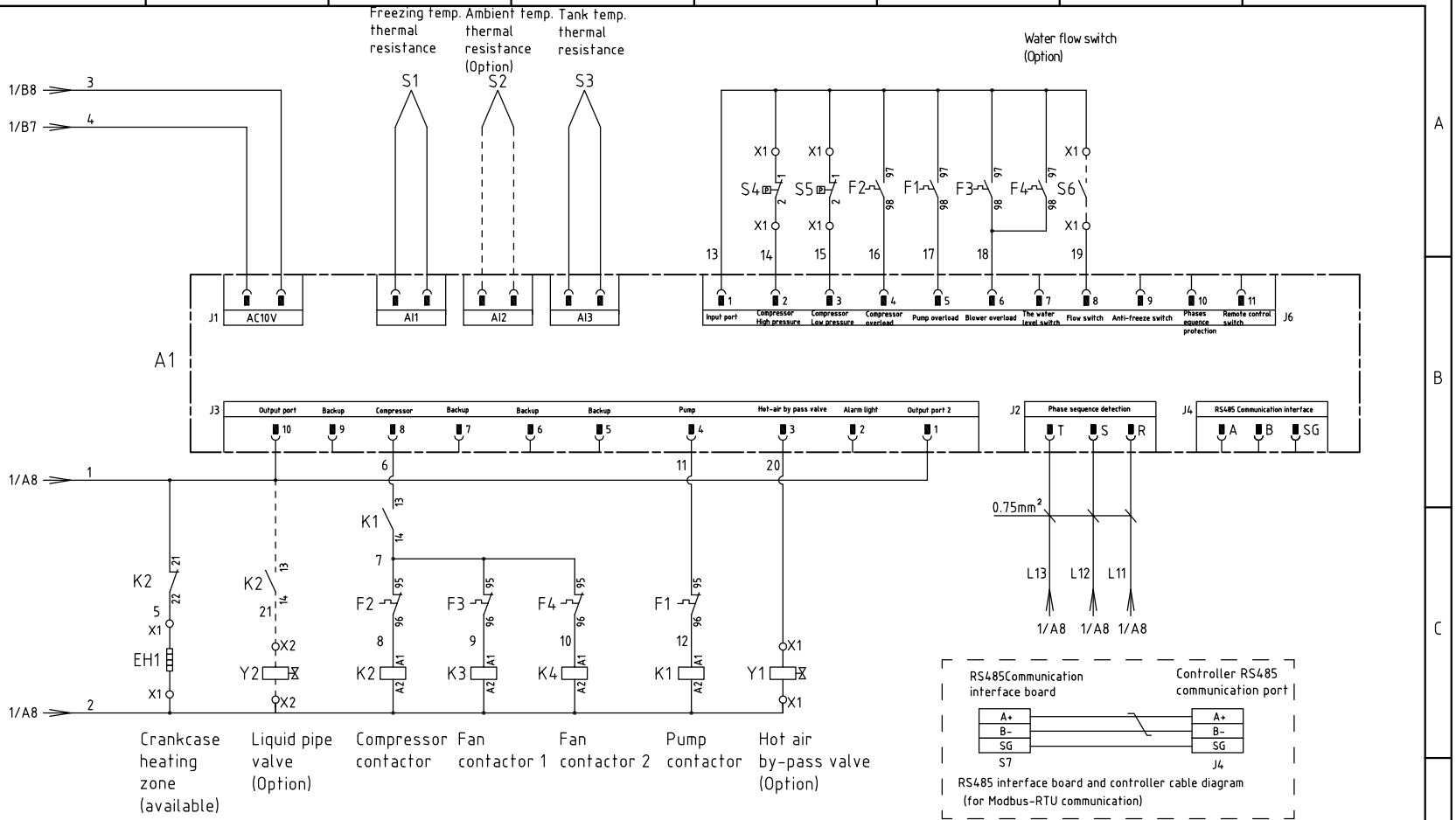
信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.

Scale	
Page	5
Standard	CE
Totally	5 Pages
Voltage	230V
Frequency	50Hz



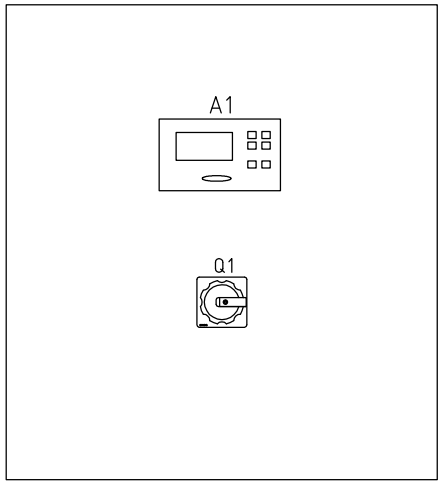
版本 Ver.C

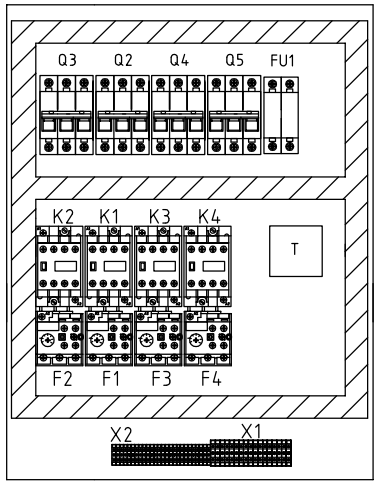
					Drawer	陆家权	Version	B	Title: SIC-18A-R2 Main Circuit Diagram	Drawing NO.: SIC-18A-R2-CE-230V-B-1	Scale: Page 1
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification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

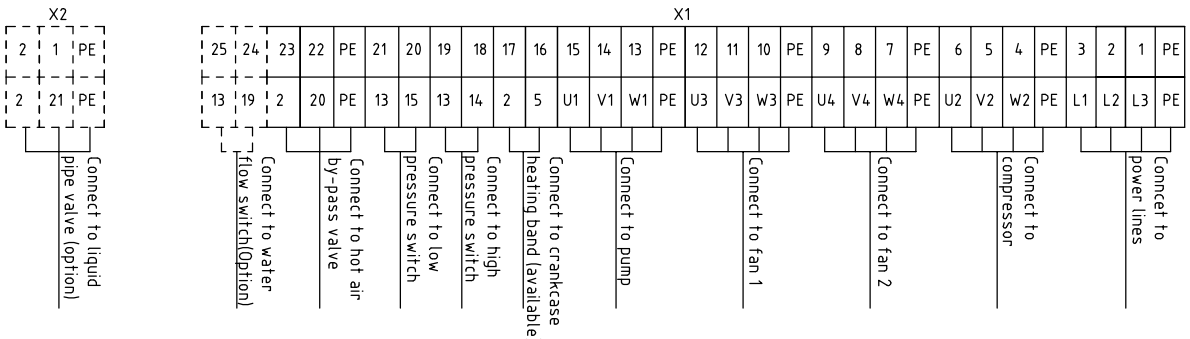


版本 Ver.C

					Drawer	陆家权	Version	B	Title: SIC-18A-R2 Control Circuit Diagram	Drawing NO.: SIC-18A-R2-CE-230V-B-2	Scale: / Page: 2
					Designer	陆家权	Approved by				Standard: CE Totally: 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161205			Frequency: 50Hz







版本 Ver.C

					Drawer	陆家权	Version	B	Title: SIC-18A-R2 Electrical Components Layout	Drawing NO.: SIC-18A-R2-CE-230V-B-3	Scale: Page 3
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161205			Frequency: 50Hz

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	
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3006S	6A	2	YE40300603000	
5	K1	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contactor	SIEMENS	3RT6028-1AN20	220VAC 50/60Hz	1	YE00602822000	
7	K3 K4	Contactor	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	
12	FU1	Fuse	CHINT	RT28-32	2P	1	YE41032200000	
13		Fuse core	CHINT	2A/10×38/500V	2A	2	YE46002000100	
14	A1	Controller	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	LO 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-19)0	----	----	----	1	YR40048500000	(1)
23	X1	Terminal board	----	10.0mm²	----	3	YE60001003200	
24		Terminal board	----	10.0mm²PE	----	1	YE60001003500	
25		Terminal board	----	6.0mm²	----	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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161205

Title: SIC-18A-R2 Electrical Components List 1

Drawing NO.: SIC-18A-R2-CE-230V-B-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26		Terminal board	----	6.0mm²PE	----	1	YE60000603500	
27		Terminal board	----	2.5mm²	----	17	YE60002503200	
28		Terminal board	----	2.5mm²PE	----	4	YE60002503400	
29		Terminal board	----	2.5mm²	----	2	YE60002503200	(3)
30	X2	Terminal board	----	2.5mm²	----	2	YE60002503200	(2)
31		Terminal board	----	2.5mm²PE	----	1	YE60002503400	(2)
32	Y1	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)
33	Y2	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)(2)
34	M1	Pump motor	----	MID pressure pump 1.1KW	230V 50/60Hz	1	---- (SIC-18A-R2-P)	(1)
35	M1	Pump motor	----	HI pressure pump1.1KW	230V 50/60Hz	1	---- (SIC-18A-R2-HP)	(1)
36	M2	Compressor	----	----	230V 50/60Hz 8.57kW	1	----	(1)
37	M3	Fan motor	----	----	230V 50/60Hz 0.25kW	2	----	(1)
38	EH1	Crankcase heating zone	----	----	230V 50/60HZ 45W	1	----	(1)

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.

Mark	Before modification	After modification	Modified by	Modify date

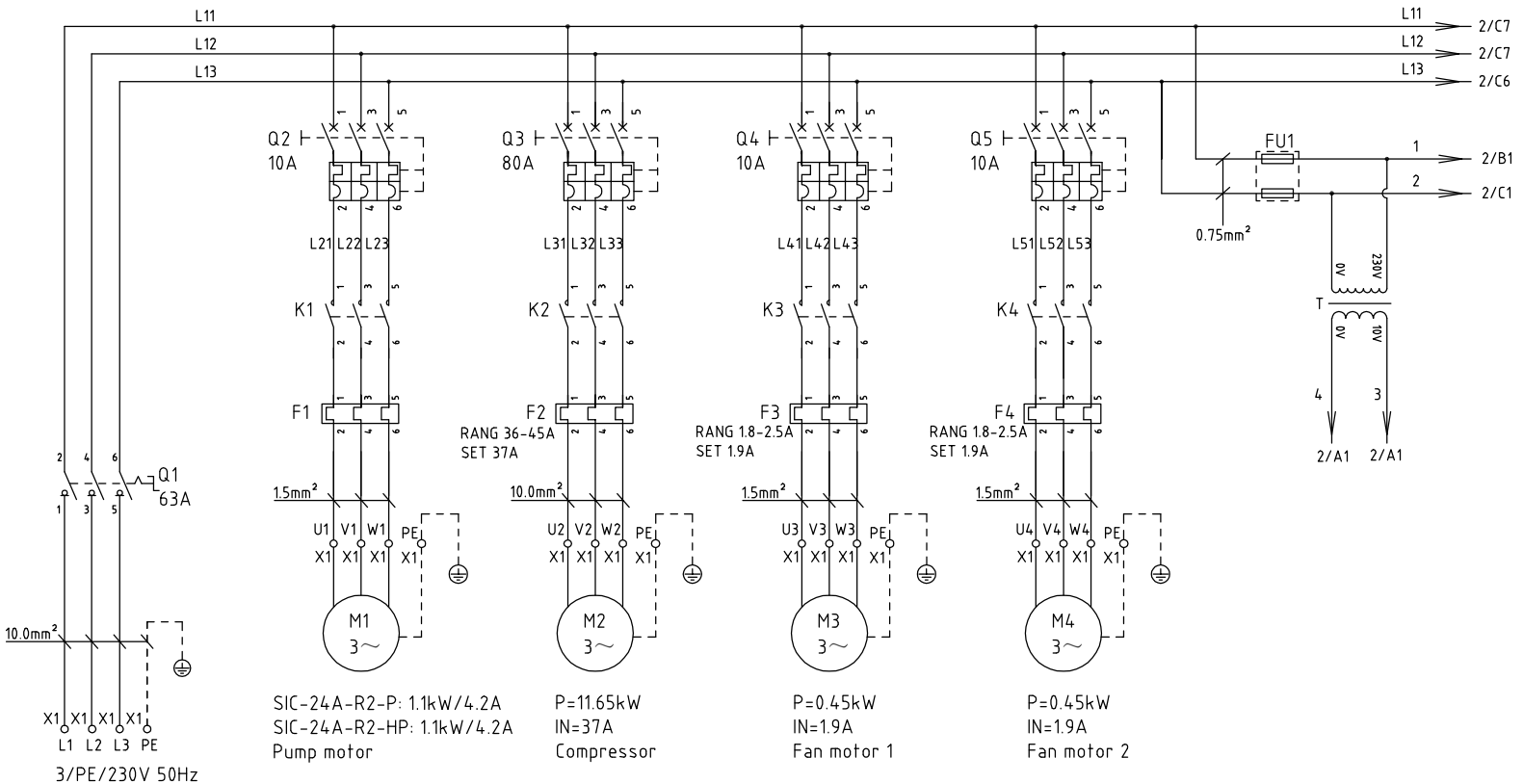
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161205

Title: SIC-18A-R2 Electrical Components List 2

Drawing NO.: SIC-18A-R2-CE-230V-B-5

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

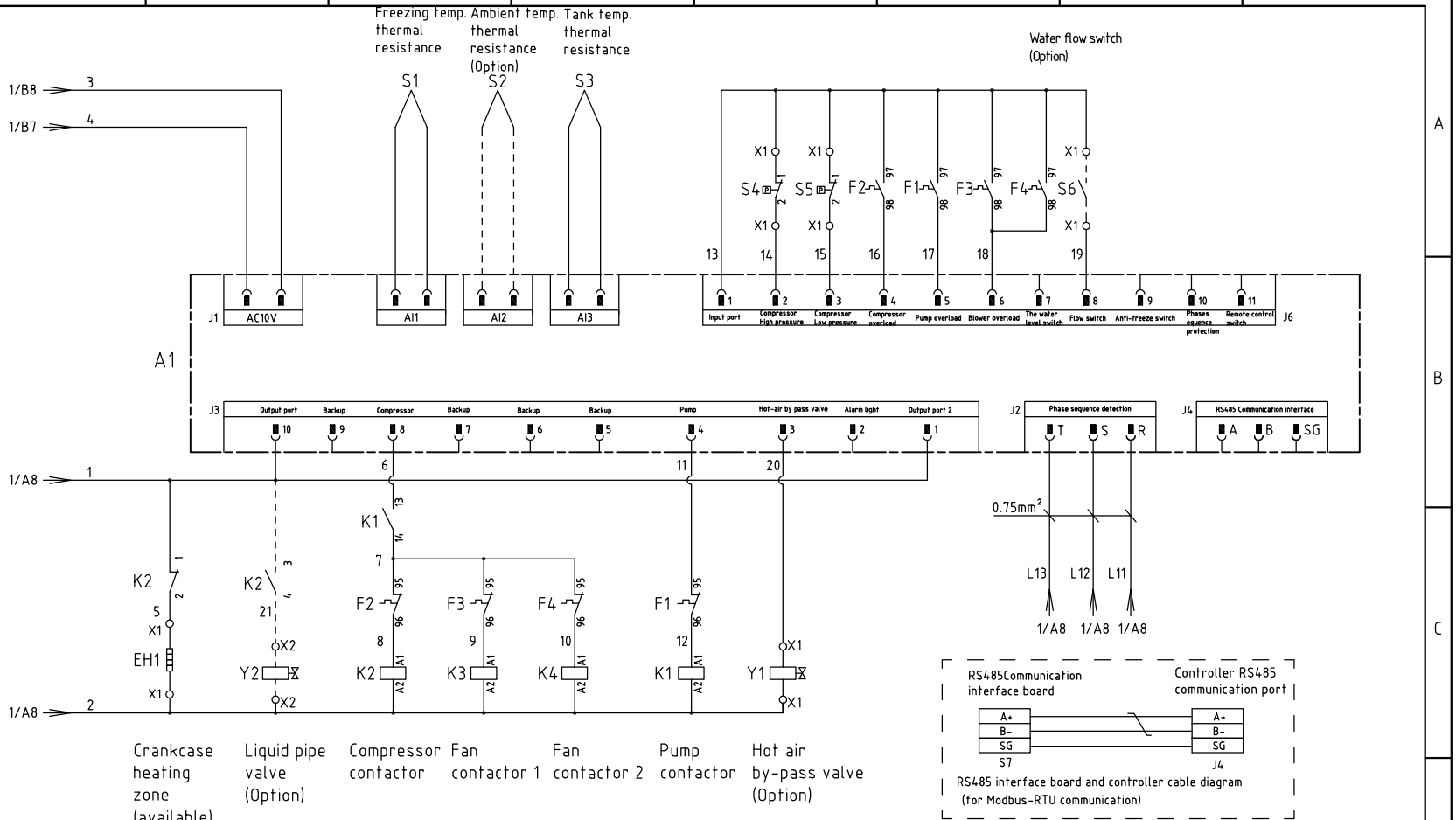
Scale		Page	5
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	



版本 Ver.C

					Drawer	陆家权	Version	B	Title: SIC-24A-R2 Main Circuit Diagram	Drawing NO.: SIC-24A-R2-CE-230V-B-1
					Designer	陆家权	Approved by			
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161207		

Scale		Page	1
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	



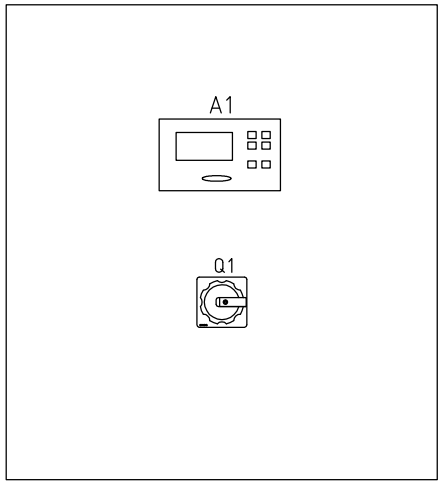
版本	Ver.C

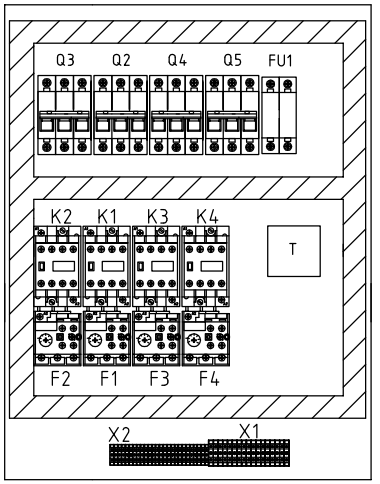
Mark	Before modification	After modification	Modified by	Modify date				
					Drawer	陆家权	Version	B
					Designer	陆家权	Approved by	
					Proofread by			
					Checked by		Date	20161207

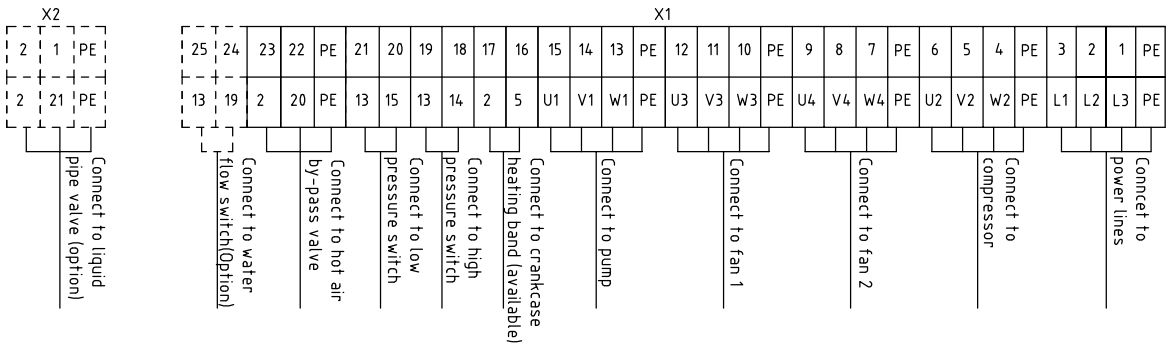
Title	SIC-24A-R2 Control Circuit Diagram
Drawing NO.	SIC-24A-R2-CE-230V-B-2

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

Scale		Page	2
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	







版本 Ver.C					Drawer	陆家权	Version	B	Title: SIC-24A-R2 Electrical Components Layout	Drawing NO.: SIC-24A-R2-CE-230V-B-3	Scale	Page 3
					Designer	陆家权	Approved by				Standard CE	Totally 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161207			Frequency	50Hz

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-100D/3080S	80A	1	YE40308003000	
3	Q2 Q4 Q5	Circuit breaker	TECO	BM-63C/3010S	10A	3	YE40301003000	
4	K1	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
5	K2	Contactor	SIEMENS	3RT5036-1AN20	220VAC 50/60Hz	1	YE00503600000	
6		Auxiliary block	SIEMENS	3RH5921-1CA01	1NC	1	YE00592110100	
7		Auxiliary block	SIEMENS	3RH5921-1CA10	1N0	1	YE00592110000	(2)
8	K3 K4	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	2	YE00601621000	
9	F1	Thermo overload relay	SIEMENS	3RU6116-1FB0	3.5-5A	1	YE01160350000	SIC-24A-R2-P
10	F1	Thermo overload relay	SIEMENS	3RU6116-1FB0	3.5-5A	1	YE01160350000	SIC-24A-R2-HP
11	F2	Thermo overload relay	SIEMENS	3RU5136-4GB0	36-45A	1	YE01612660000	
12	F3 F4	Thermo overload relay	SIEMENS	3RU6116-1BB0	1.4-2A	2	YE01160140000	
13	FU1	Fuse	CHINT	RT28-32	2P	1	YE41032200000	
14		Fuse core	CHINT	2A/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	HI pressure switch	----	----	----	1	----	(1)
20	S5	LO 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		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(1)
24	X1	Terminal board	----	10.0mm²	----	6	YE60001003200	
25		Terminal board	----	10.0mm²PE	----	2	YE60001003500	

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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161207

Title: SIC-24A-R2 Electrical Components List 1

Drawing NO.: SIC-24A-R2-CE-230V-B-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26		Terminal board	----	2.5mm²	----	17	YE60002503200	
27		Terminal board	----	2.5mm²PE	----	4	YE60002503400	
28		Terminal board	----	2.5mm²	----	2	YE60002503200	(3)
29	X2	Terminal board	----	2.5mm²	----	2	YE60002503200	(2)
30		Terminal board	----	2.5mm²PE	----	1	YE60002503400	(2)
31	Y1	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)
32	Y2	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)(2)
33	M1	Pump motor	----	MID pressure pump 1.1KW	230V 50/60Hz	1	---- (SIC-24A-R2-P)	(1)
34	M1	Pump motor	----	HI pressure pump1.1KW	230V 50/60Hz	1	---- (SIC-24A-R2-HP)	(1)
35	M2	Compressor	----	----	230V 50/60Hz 11.65kW	1	----	(1)
36	M3	Fan motor	----	----	230V 50/60Hz 0.45kW	2	----	(1)
37	EH1	Crankcase heating zone	----	----	230V 50/60HZ 45W	1	----	(1)

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.

Mark	Before modification	After modification	Modified by	Modify date

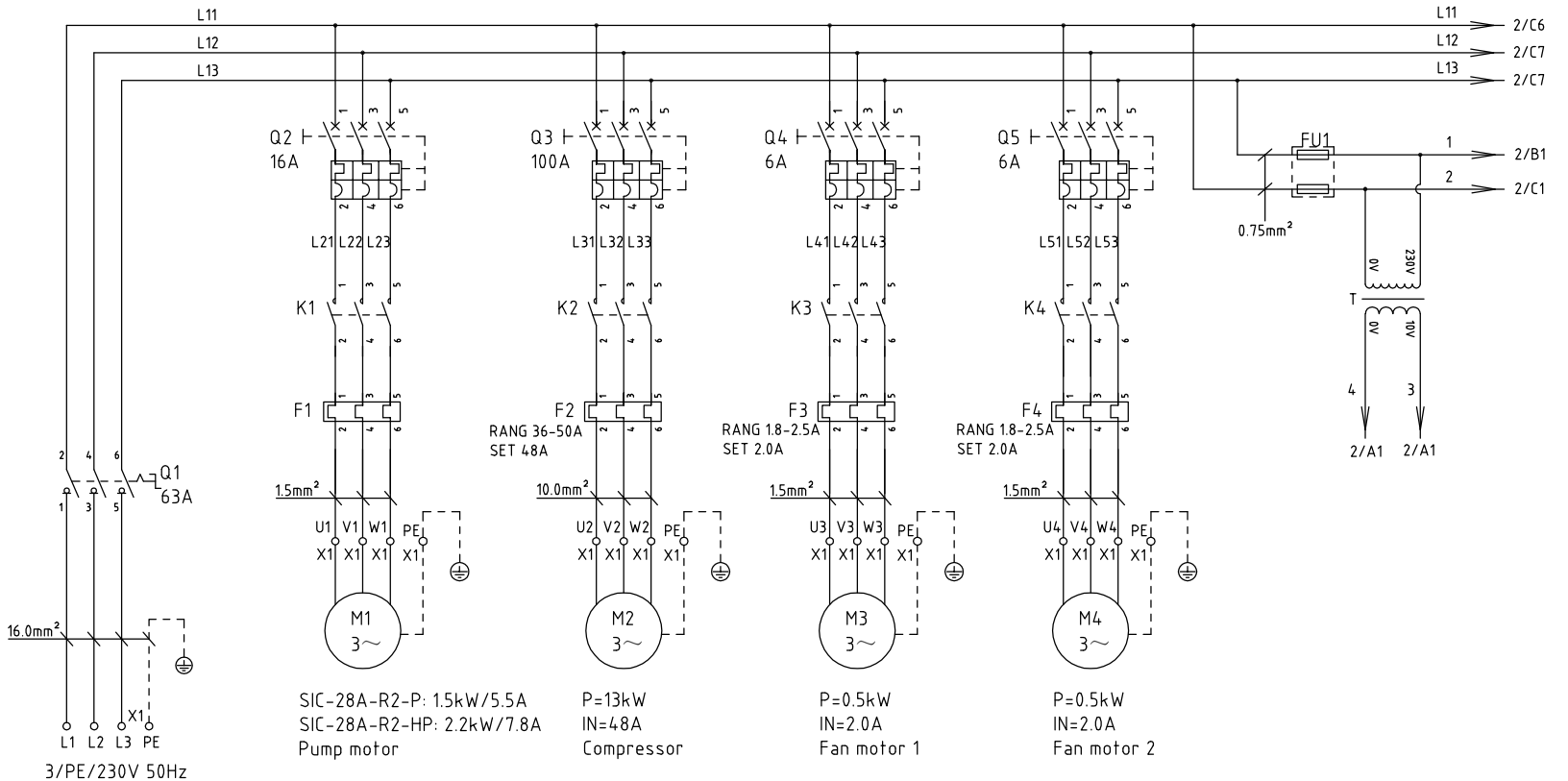
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161207

Title: SIC-24A-R2 Electrical Components List 2

Drawing NO.: SIC-24A-R2-CE-230V-B-5

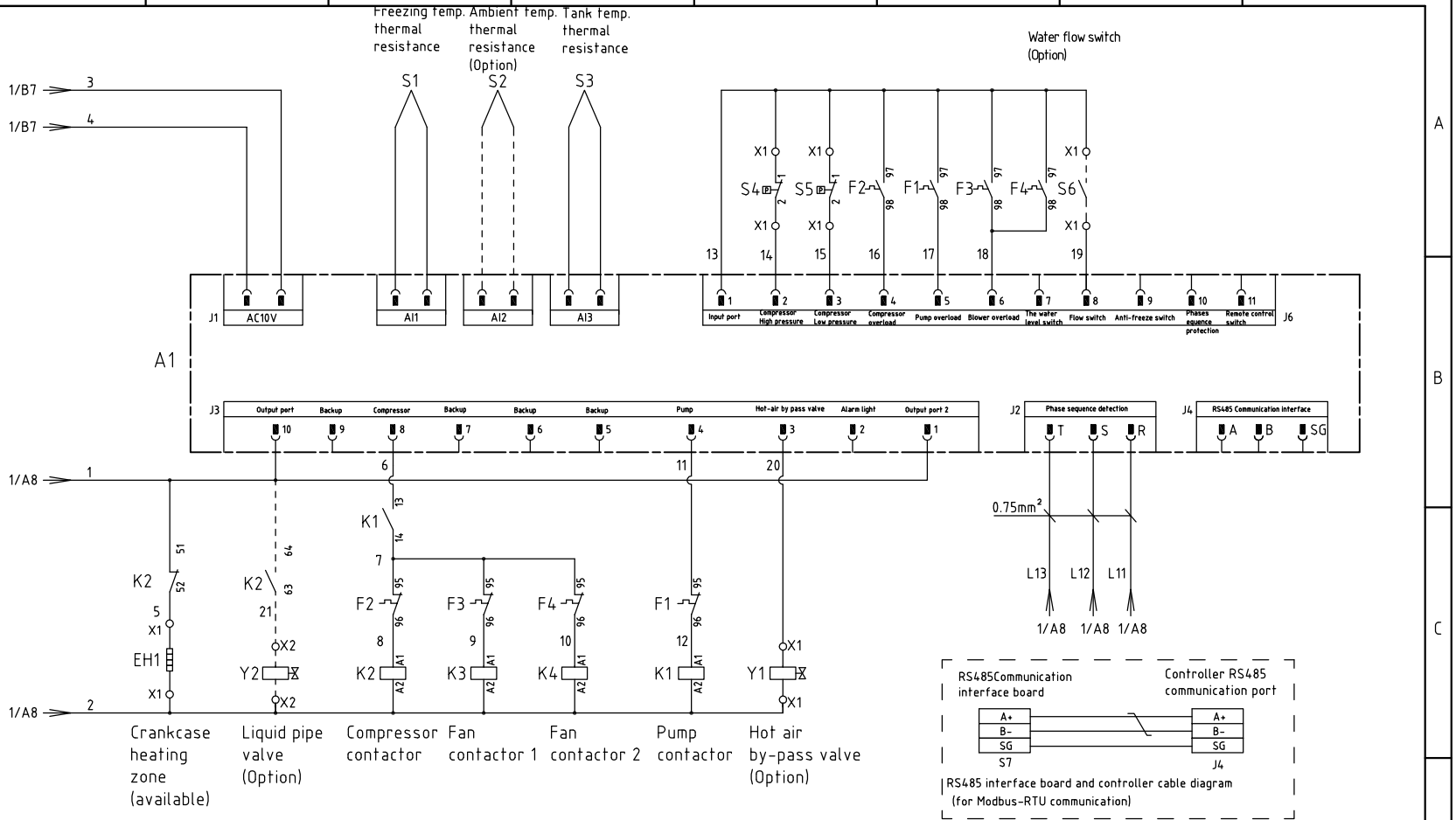
SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.

Scale		Page	5
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	



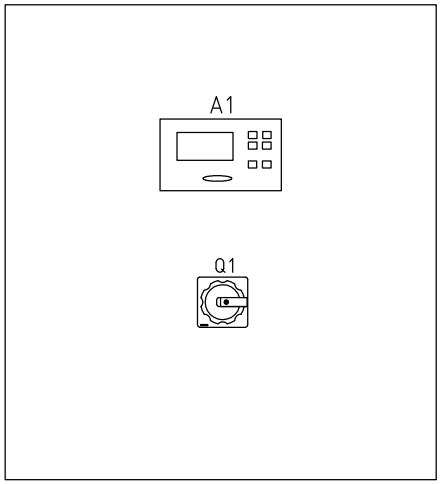
版本 Ver.D

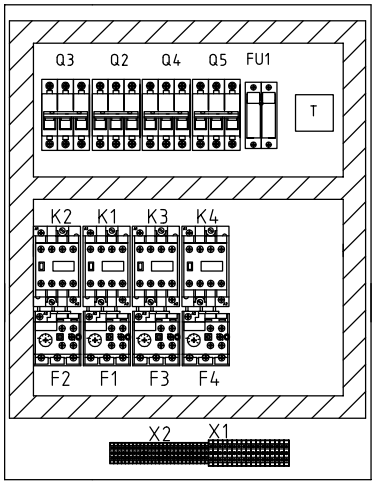
					Drawer	陆家权	Version	B	Title: SIC-28A-R2 Main Circuit Diagram	Drawing NO.: SIC-28A-R2-CE-230V-B-1	Scale: Page 1
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161209			Frequency: 50Hz

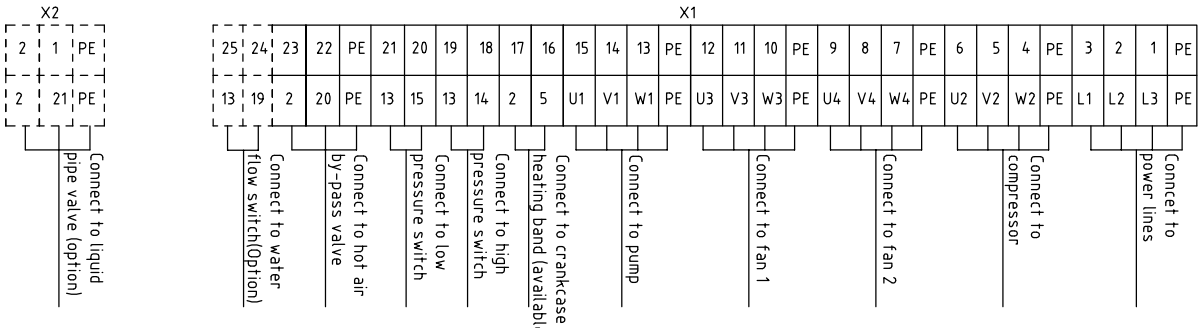


版本 Ver.D

					Drawer	陆家权	Version	B	Title: SIC-28A-R2 Control Circuit Diagram	Drawing NO.: SIC-28A-R2-CE-230V-B-2	Scale / Page 2
					Designer	陆家权	Approved by				Standard CE / Totally 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161209			Frequency 50Hz







版本 Ver.D

					Drawer	陆家权	Version	B	Title: SIC-28A-R2 Electrical Components Layout	Drawing NO.: SIC-28A-R2-CE-230V-B-3	Scale: Page 3
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161209			Frequency: 50Hz

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-100D/3100S	100A	1	YE40310003000	
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE40301003000	
5	K1	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contactor	SIEMENS	3RT5044-1AN20	220VAC 50/60Hz	1	YE00504400000	
7		Auxiliary block	SIEMENS	3RH1921-1EA11	1NO+1NC	1	YE00192101100	(2)
8	K3 K4	Contactor	SIEMENS	3RT6016-1AN21	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	CHNT	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	HI pressure switch	----	----	----	1	----	(1)
20	S5	LO 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		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(1)
24	X1	Terminal board	HONEYWELL	16.0mm²	----	6	YE60001603200	
25		Terminal board	HONEYWELL	16.0mm²PE	----	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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161209

Title: SIC-28A-R2 Electrical Components List 1

Drawing NO.: SIC-28A-R2-CE-230V-B-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26		Terminal board	HONEYWELL	2.5mm²	----	17	YE60002503200	
27		Terminal board	HONEYWELL	2.5mm²PE	----	4	YE60002503400	
28		Terminal board	HONEYWELL	2.5mm²	----	2	YE60002503200	(3)
29	X2	Terminal board	HONEYWELL	2.5mm²	----	2	YE60002503200	(2)
30		Terminal board	HONEYWELL	2.5mm²PE	----	1	YE60002503400	(2)
31	Y1	Solenoid valve	----	----	230V 60Hz	1	----	(1)
32	Y2	Solenoid valve	----	----	230V 60Hz	1	----	(1)(2)
33	M1	Pump motor	----	MID pressure pump 1.5KW	230V 60Hz	1	---- (SIC-28A-R2-P)	(1)
34	M1	Pump motor	----	HI pressure pump2.2KW	230V 60Hz	1	---- (SIC-28A-R2-HP)	(1)
35	M2	Compressor	----	----	230V 60Hz 13kW	1	----	(1)
36	M3	Fan motor	----	----	230V 60Hz 0.5kW	2	----	(1)
37	EH1	Crankcase heating zone	----	----	230V 60HZ 45W	1	----	(1)

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.

Mark	Before modification	After modification	Modified by	Modify date

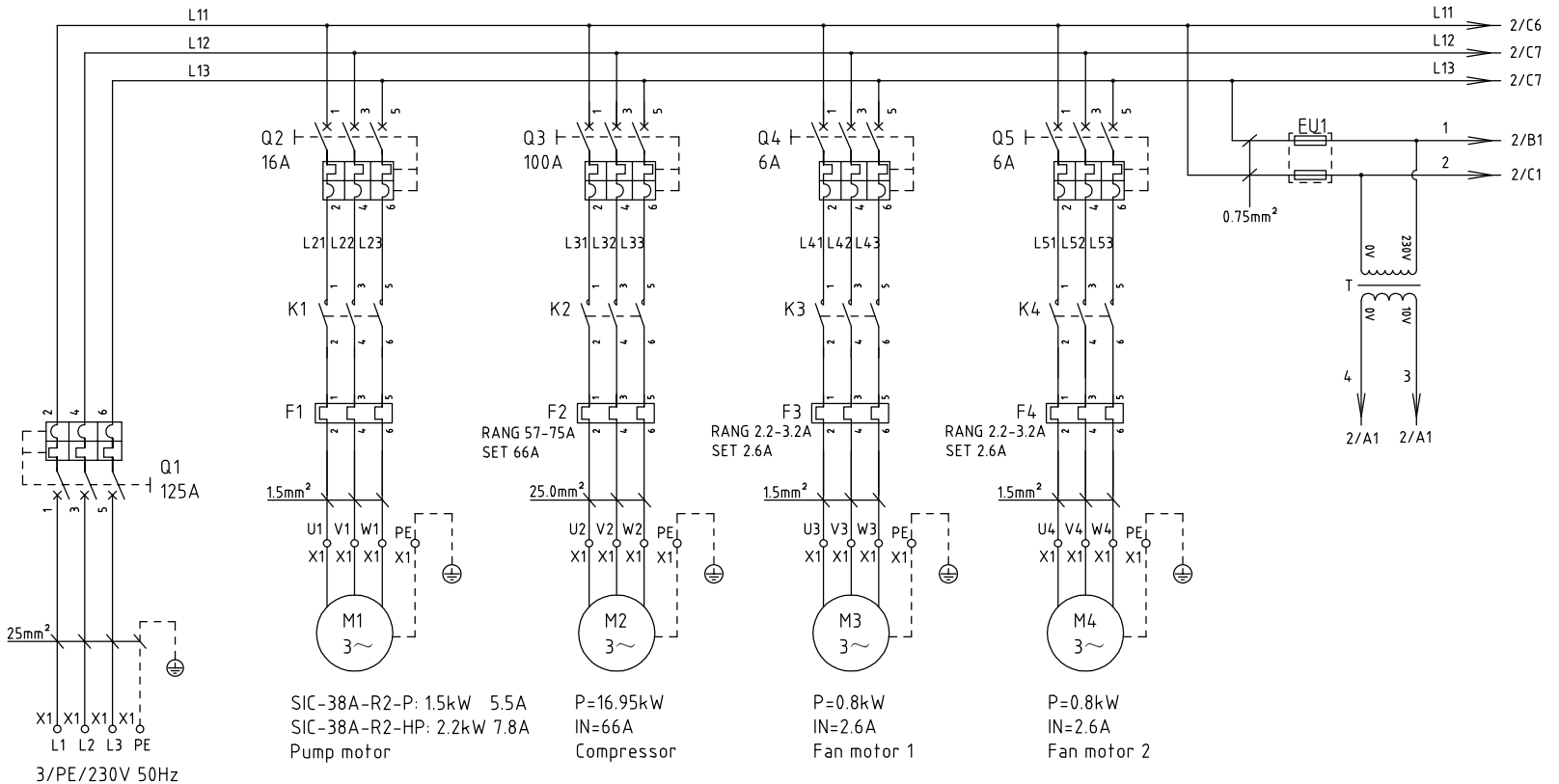
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161209

Title: SIC-28A-R2 Electrical Components List 2

Drawing NO.: SIC-28A-R2-CE-230V-B-5

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

Scale		Page	5
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	



版本 Ver.D

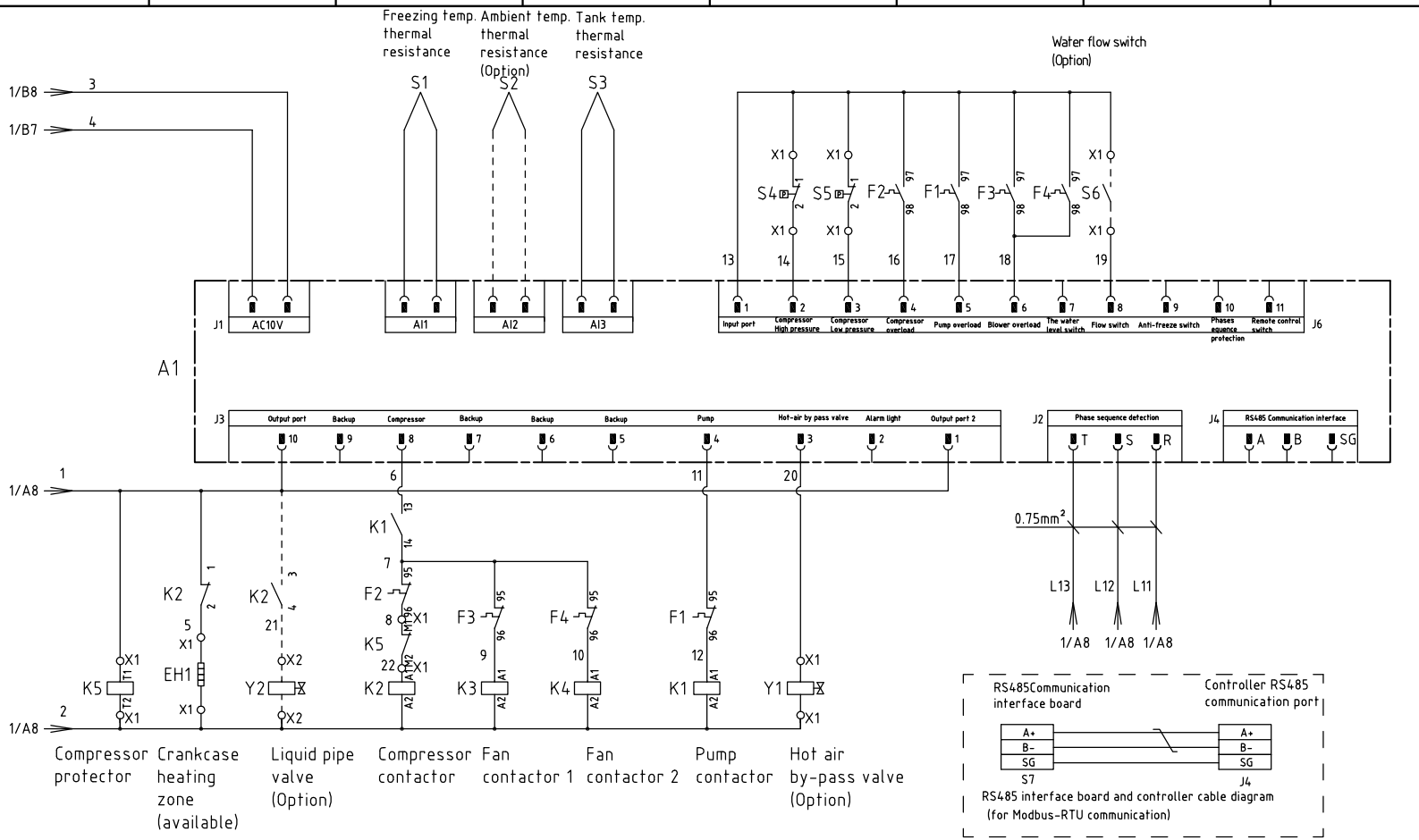
Mark	Before modification	After modification	Modified by	Modify date	Drawer	陆家权	Version	B
					Designer	陆家权	Approved by	
					Proofread by			
					Checked by		Date	20161212

Title: SIC-38A-R2
Main Circuit Diagram

Drawing NO.: SIC-38A-R2-CE-230V-B-1

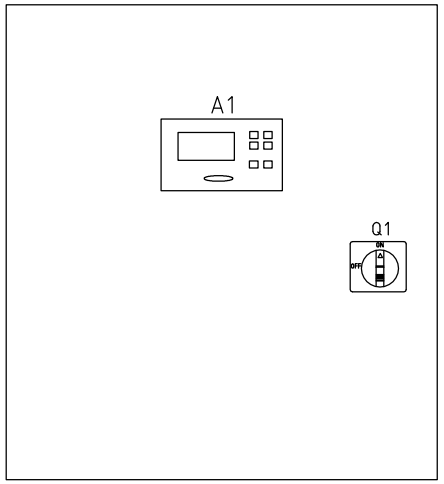
SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.

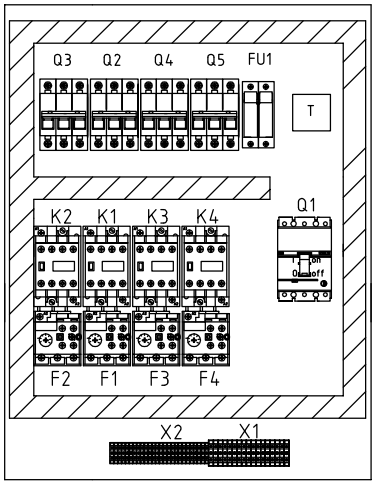
Scale		Page	1
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

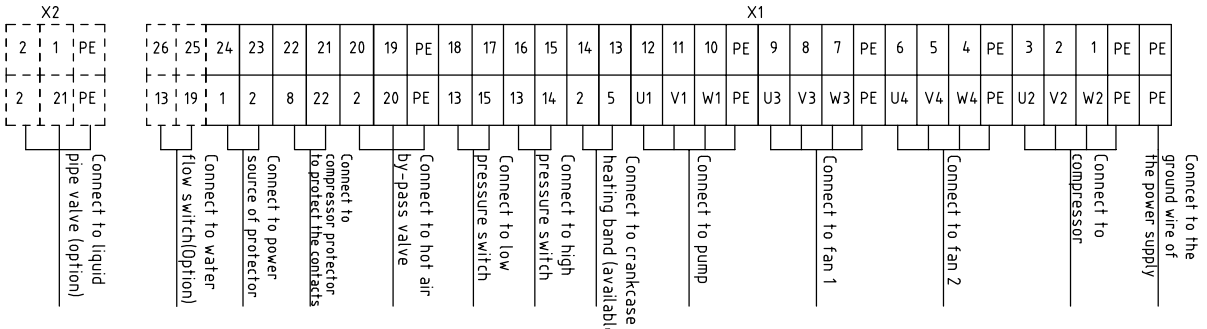


版本 Ver.D

					Drawer	陆家权	Version	B	Title: SIC-38A-R2 Control Circuit Diagram	Drawing NO.: SIC-38A-R2-CE-230V-B-2	Scale / Page 2
					Designer	陆家权	Approved by				Standard CE / Totally 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161212			Frequency 50Hz







版本 Ver.D

					Drawer	陆家权	Version	B	Title: SIC-38A-R2 Electrical Components Layout	Drawing NO.: SIC-38A-R2-CE-230V-B-3	Scale: Page 3
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161212			Frequency: 50Hz

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Circuit breaker	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 Q5	Circuit breaker	TECO	BM-63C/3006S	6A	2	YE40300603000	
5	K1	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	
6	K2	Contactor	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	Contactor	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	10×38 500V	2A	2	YE46002000100	
16	A1	Controller	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	----	
20	S4	HI pressure switch	----	----	----	1	----	(1)
21	S5	LO pressure switch	----	----	----	1	----	(1)
22	S6	Water flow switch	----	----	----	1	----	(1) (3)
23	S7	Communication interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)
24		Shell RS485(SAL-700G-A-19)0	----	----	----	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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161212

Title: SIC-38A-R2 Electrical Components List 1

Drawing NO.: SIC-38A-R2-CE-230V-B-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26		Terminal board	----	GK16	----	3	YE60001603200	
27		Terminal board	----	GK16PE	----	1	YE60001603500	
28		Terminal board	----	2.5mm²	----	21	YE60002503200	
29		Terminal board	----	2.5mm²PE	----	4	YE60002503400	
30		Terminal board	----	2.5mm²	----	2	YE60002503200	(3)
31	X2	Terminal board	----	2.5mm²	----	2	YE60002503200	(2)
32		Terminal board	----	2.5mm²PE	----	1	YE60002503400	(2)
33	Y1	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)
34	Y2	Solenoid valve	----	----	230V 60Hz	1	----	(1)(2)
35	M1	Pump motor	----	MID pressure pump 1.5KW	230V 50/60Hz	1	---- (SIC-38A-R2-P)	(1)
36	M1	Pump motor	----	HI pressure pump2.2KW	230V 50/60Hz	1	---- (SIC-38A-R2-HP)	(1)
37	M2	Compressor	----	----	230V 50/60Hz 16.95kW	1	----	(1)
38	M3	Fan motor	----	----	230V 50/60Hz 0.8kW	2	----	(1)
39	EH1	Crankcase heating zone	----	----	230V 50/60HZ 45W	1	----	(1)

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.

Mark	Before modification	After modification	Modified by	Modify date

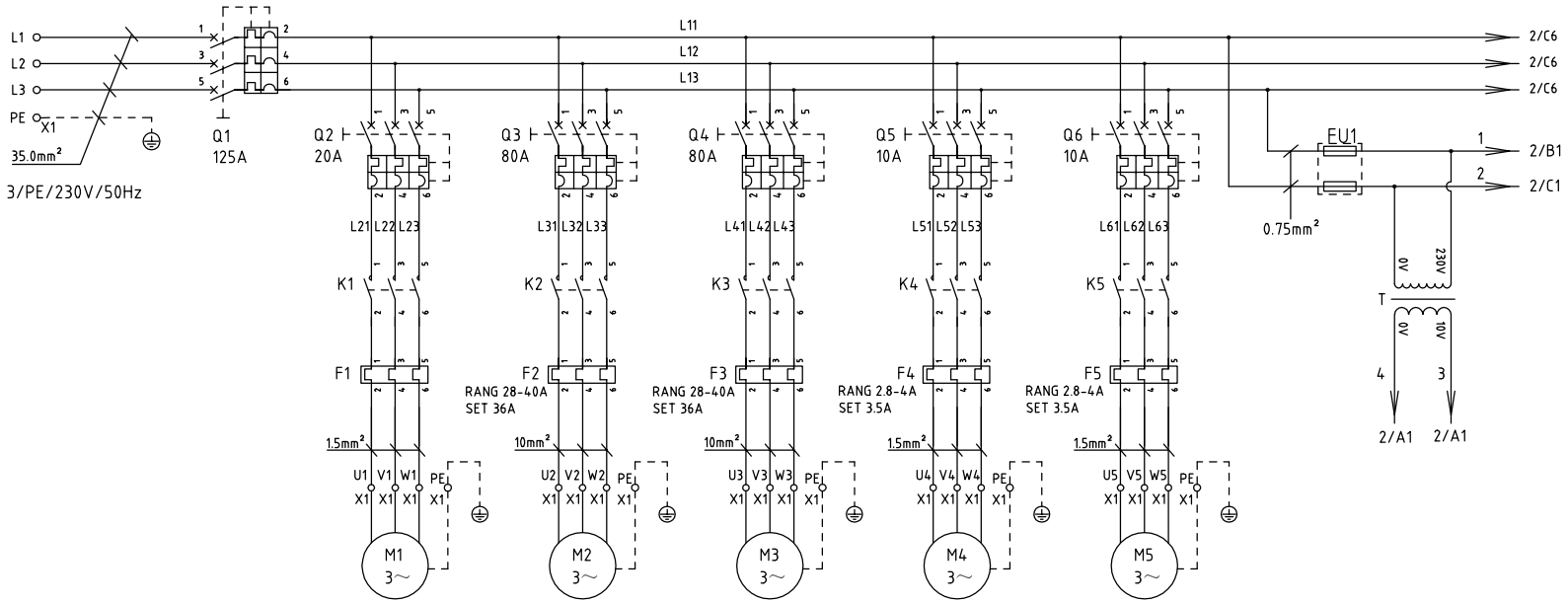
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161212

Title: SIC-38A-R2 Electrical Components List 2

Drawing NO.: SIC-38A-R2-CE-230V-B-5

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

Scale		Page	5
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	



版本 Ver.B

Mark	Before modification	After modification	Modified by	Modify date

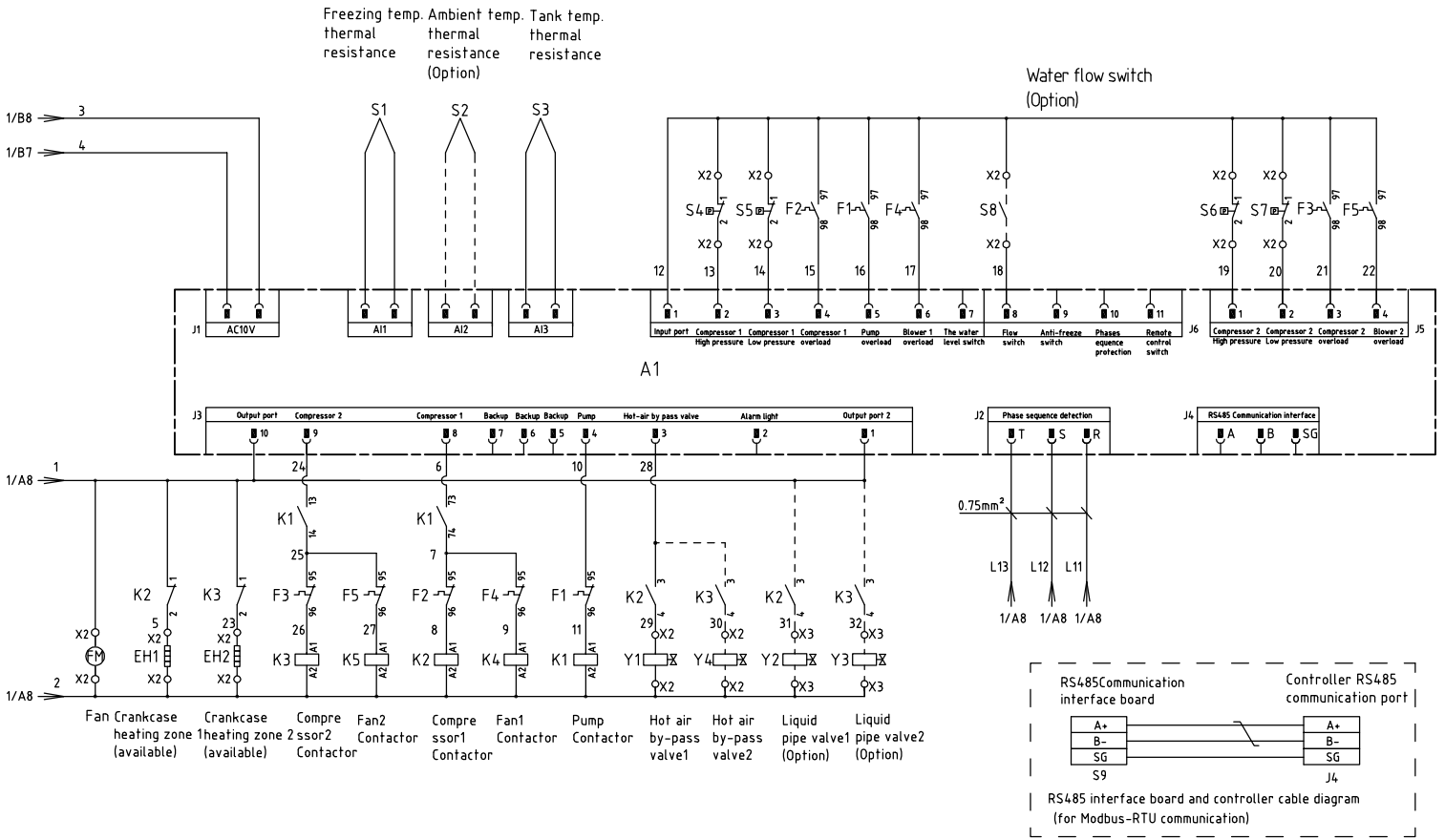
Drawer	陆家权	Version	B	
Designer	陆家权	Approved by		
Proofread by				
Checked by		Date	20161219	

Title: SIC-48A-R2 Main Circuit Diagram

Drawing NO.: SIC-48A-R2-CE-230V-B-1

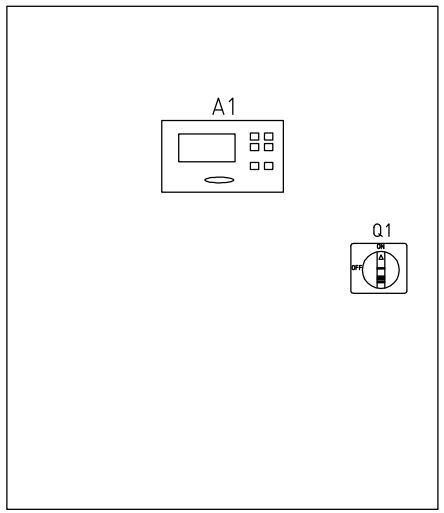
SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.

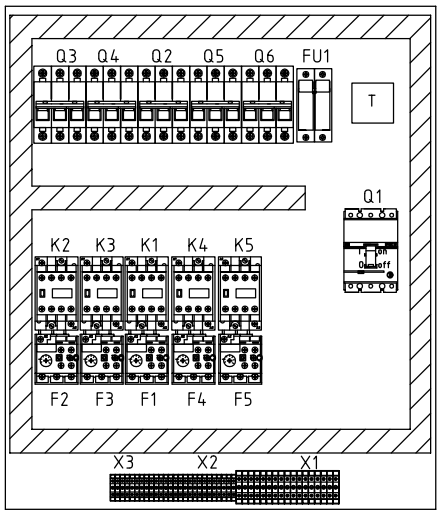
Scale		Page	1
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

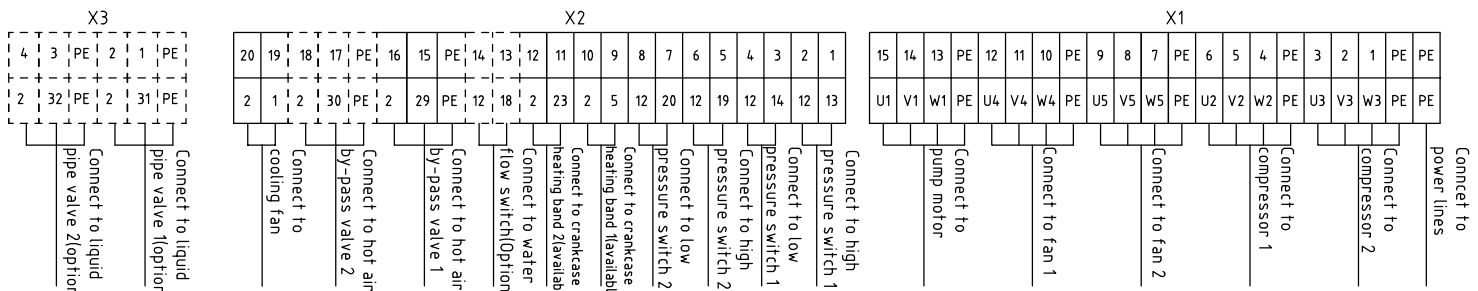


版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-48A-R2 Control Circuit Diagram	Drawing NO.: SIC-48A-R2-CE-230V-B-2	Scale: Page 2
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161219			Frequency: 50Hz







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

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161219

Title: SIC-48A-R2 Electrical Components Layout

Drawing NO.: SIC-48A-R2-CE-230V-B-3

Scale		Page	3
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

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

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Circuit breaker	ABB	A1A125TMF125/12503PFF	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	
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE40301003000	
5	K1	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	SIC-48A-R2-P
6	K1	Contactor	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	1	YE00601721000	SIC-48A-R2-HP
7		Auxiliary block	SIEMENS	3RH6911-1AA10	1NO	1	YE00691110000	
8	K2 K3	Contactor	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	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	2	YE00601621000	
14	F1	Thermo overload relay	SIEMENS	3RU6116-1HB0	5.5-8A	1	YE01160550000	SIC-48A-R2-P
15	F1	Thermo overload relay	SIEMENS	3RU6116-1JB0	7-10A	1	YE01167100000	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	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	10×38 500V	2A	2	YE46002000100	
24	S4 S6	HI pressure switch	----	----	----	2	----	(1)
25	S5 S7	LO 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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161219

Title: SIC-48A-R2 Electrical Components List 1

Drawing NO.: SIC-48A-R2-CE-230V-B-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		

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	YE90048501200	(1)
28		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(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-HP	(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 45W	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.

Mark	Before modification	After modification	Modified by	Modify date

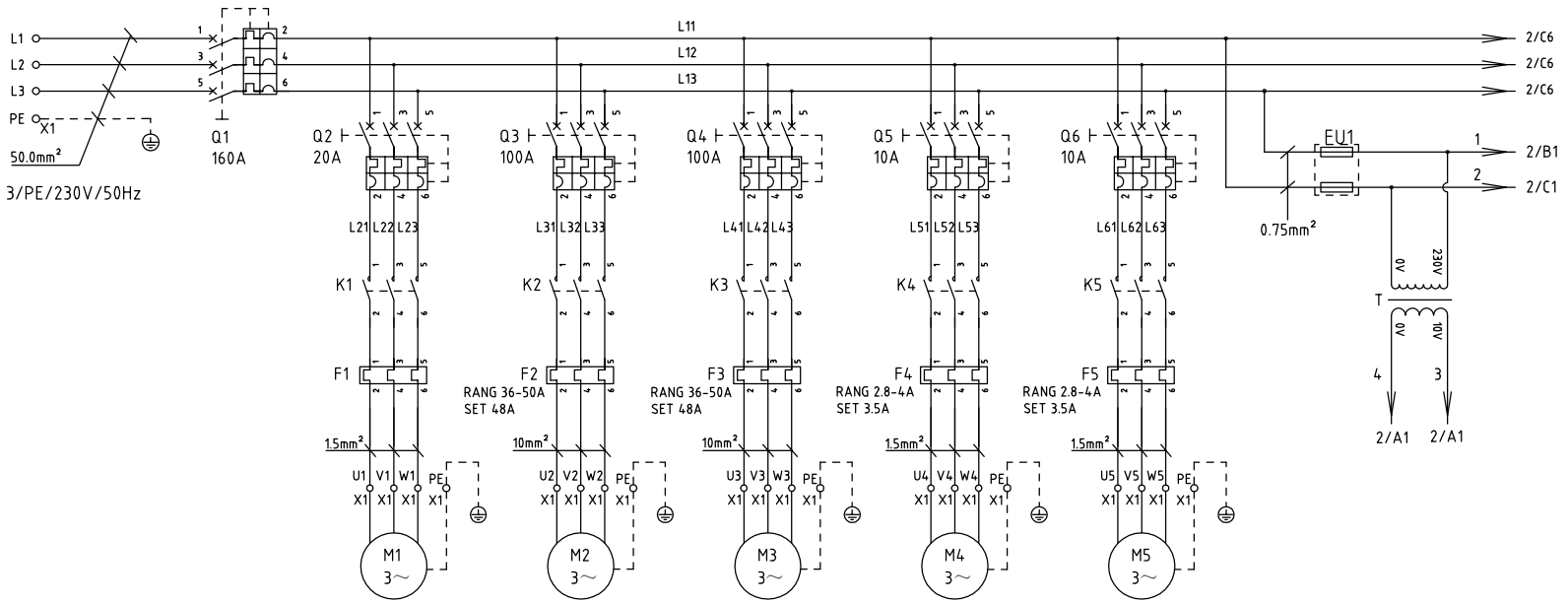
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161219

Title: SIC-48A-R2 Electrical Components List 2

Drawing NO.: SIC-48A-R2-CE-230V-B-5

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

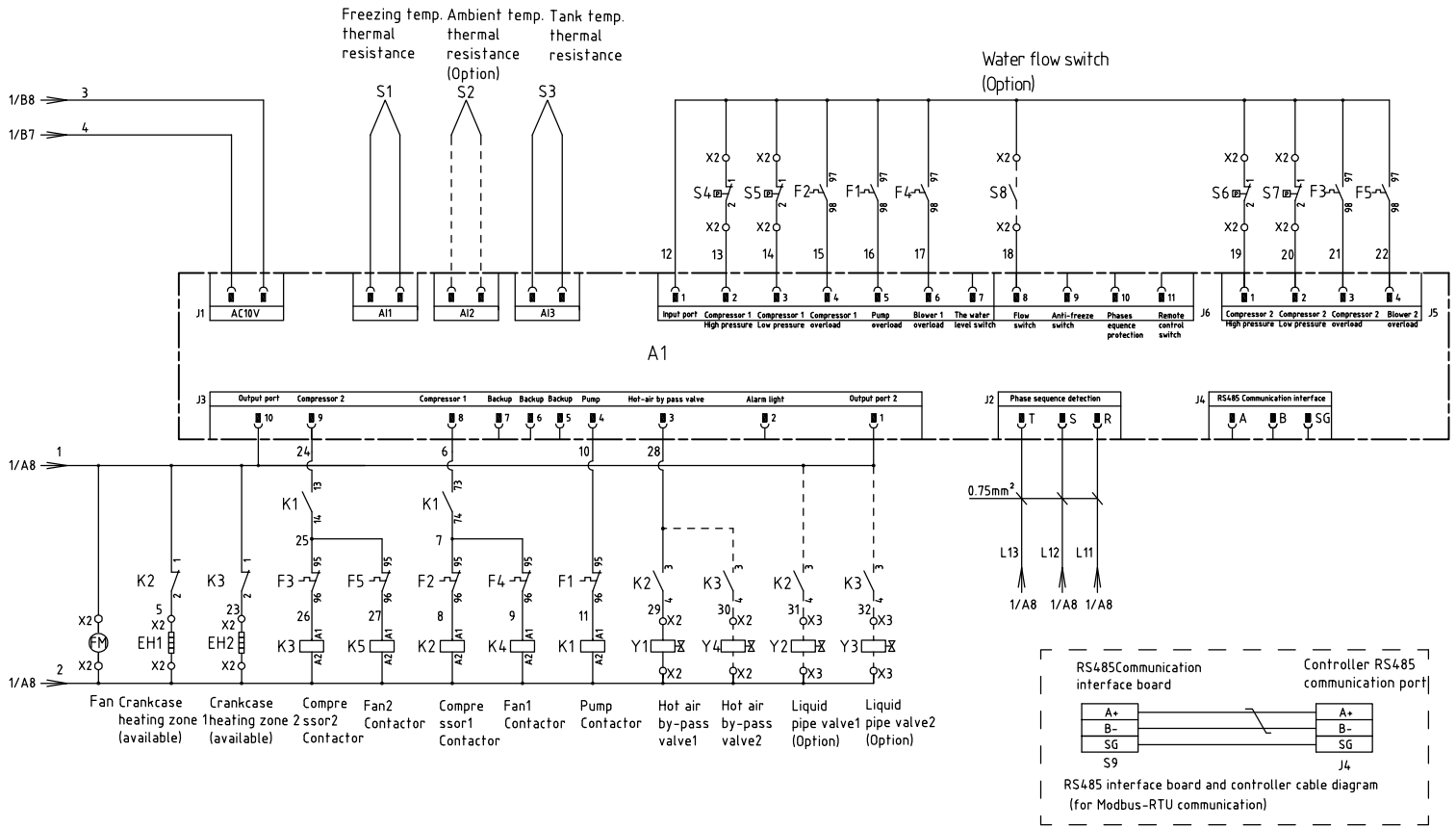
Scale		Page	5
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		



版本	Ver.B

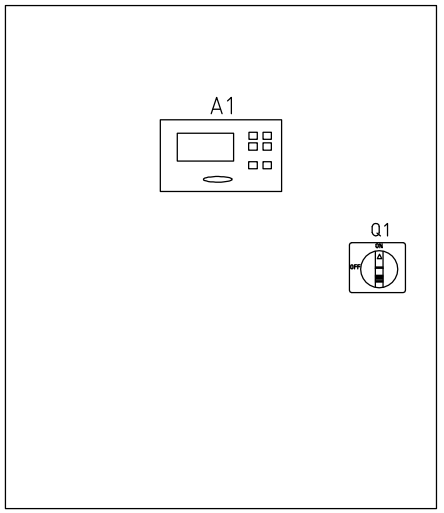
Mark	Before modification	After modification	Modified by	Modify date	Drawer	陆家权	Version	B
					Designer	陆家权	Approved by	
					Proofread by			
					Checked by		Date	20161221

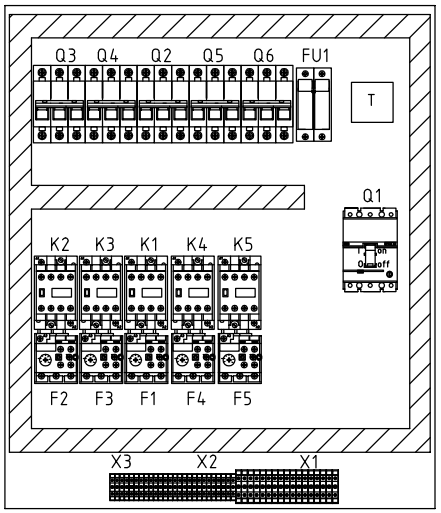
Title	Drawing NO.	Scale		Page	1
SIC-58A-R2 Main Circuit Diagram	SIC-58A-R2-CE-230V-B-1	Standard	CE	Totally	5 Pages
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		230V	
		Frequency		50Hz	

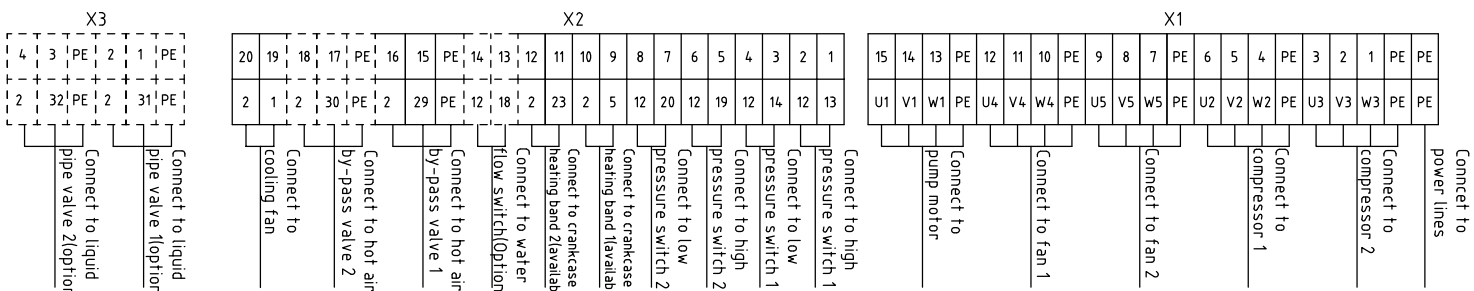


版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-58A-R2 Control Circuit Diagram	Drawing NO.: SIC-58A-R2-CE-230V-B-2	Scale: Page 2
					Designer	陆家权	Approved by				Standard: CE Totally 5 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161221			Frequency: 50Hz







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

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161221

Title: SIC-58A-R2 Electrical Components Layout

Drawing NO.: SIC-58A-R2-CE-230V-B-3

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

Scale		Page	3
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

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-100D/30100S	100A	2	YE40310003000	
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE40301003000	
5	K1	Contactor	SIEMENS	3RT6016-1AN21	220VAC 50/60Hz	1	YE00601621000	SIC-58A-R2-P
6	K1	Contactor	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	1	YE00601721000	SIC-58A-R2-HP
7		Auxiliary block	SIEMENS	3RH6911-1AA10	1NO	1	YE00691110000	
8	K2 K3	Contactor	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	Contactor	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	YE01167100000	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	10×38 500V	2A	2	YE46002000100	
24	S4 S6	HI pressure switch	----	----	----	2	----	(1)
25	S5 S7	LO 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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161221

Title: SIC-58A-R2 Electrical Components List 1

Drawing NO.: SIC-58A-R2-CE-230V-B-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		

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	YE90048501200	(1)
28		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(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-58A-R2-P	(1)
45	M1	Pump motor	----	----	230V 50/60Hz 2.4KW	1	---- SIC-58A-R2-HP	(1)
46	M2 M3	Compressor	----	----	230V 50/60Hz 13kW	2	----	(1)
47	M4 M5	Fan motor	----	----	230V 50/60Hz 0.55kW	2	----	(1)
48	EH1 EH2	Crankcase heating zone	----	----	230V 50/60HZ 45W	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.

Mark	Before modification	After modification	Modified by	Modify date

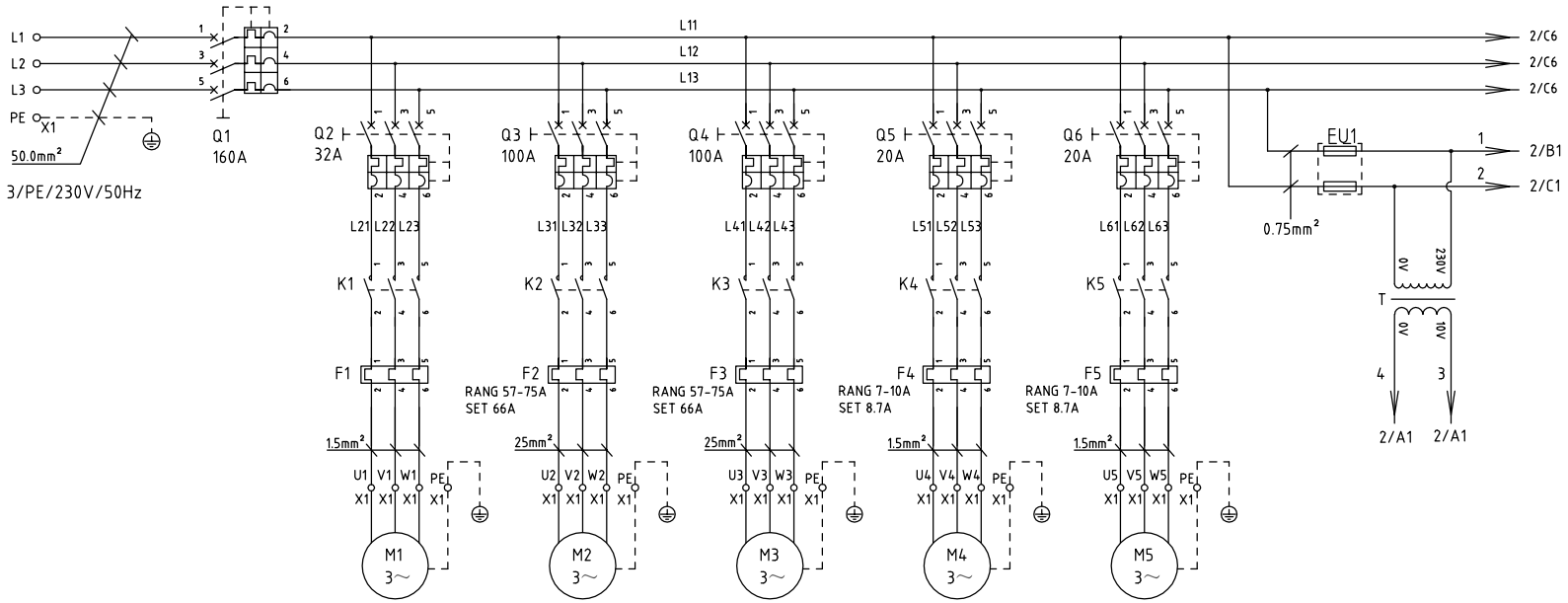
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161221

Title: SIC-58A-R2 Electrical Components List 2

Drawing NO.: SIC-58A-R2-CE-230V-B-5

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

Scale		Page	5
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	



版本 Ver.B

Mark	Before modification	After modification	Modified by	Modify date

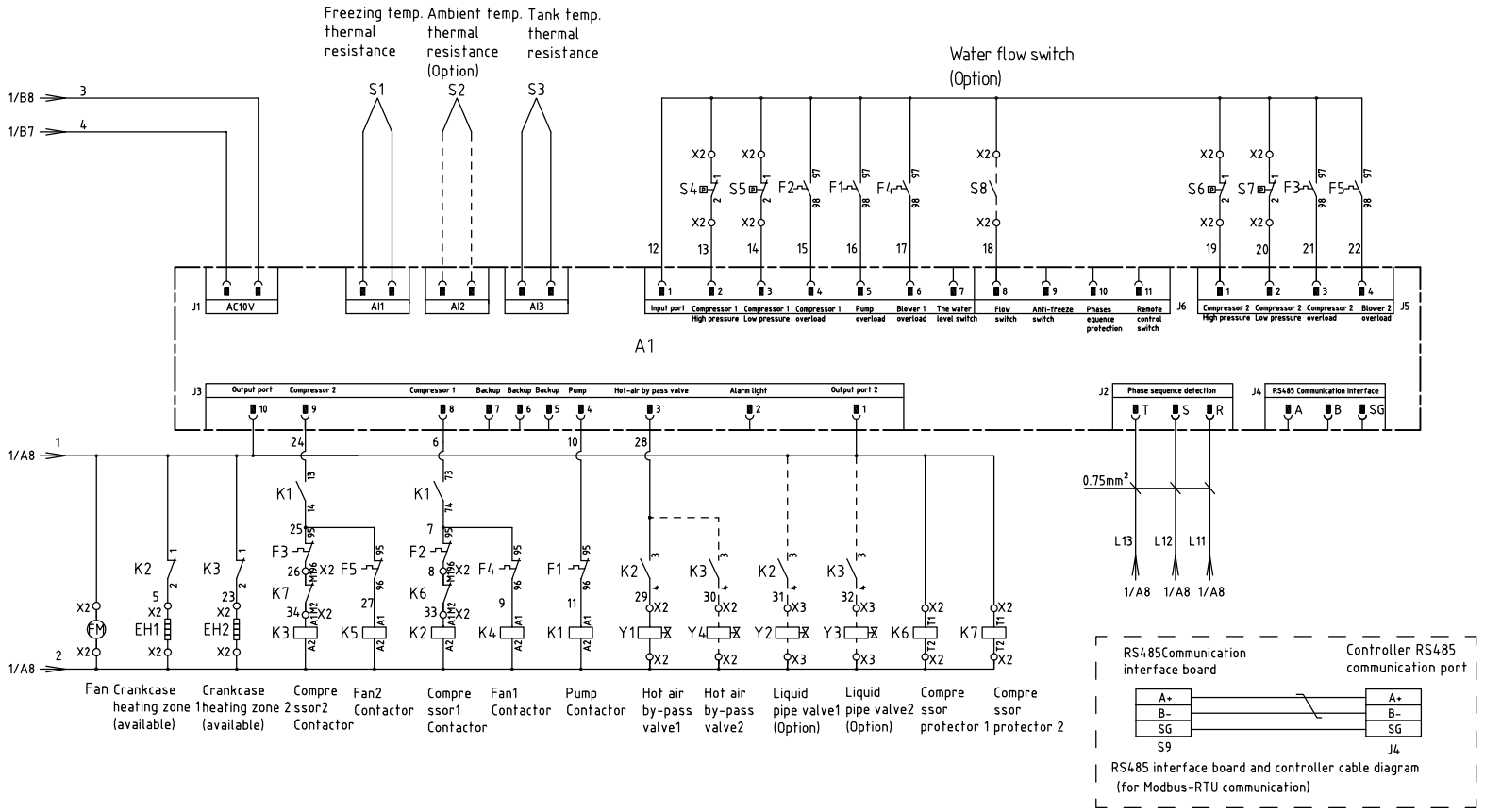
Drawer	陆家权	Version	A	
Designer	陆家权	Approved by		
Proofread by				
Checked by		Date	20161223	

Title: SIC-75A-R2 Main Circuit Diagram

Drawing NO.: SIC-75A-R2-CE-230V-A-1

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

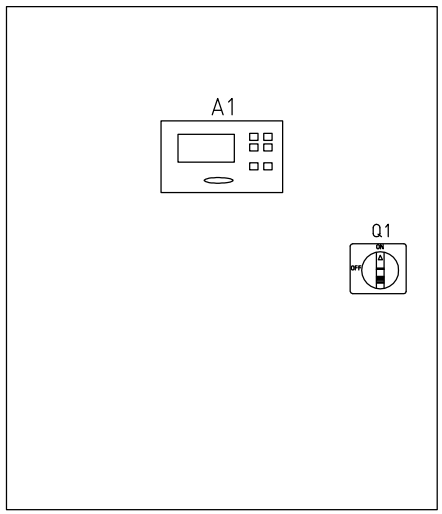
Scale		Page	1
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

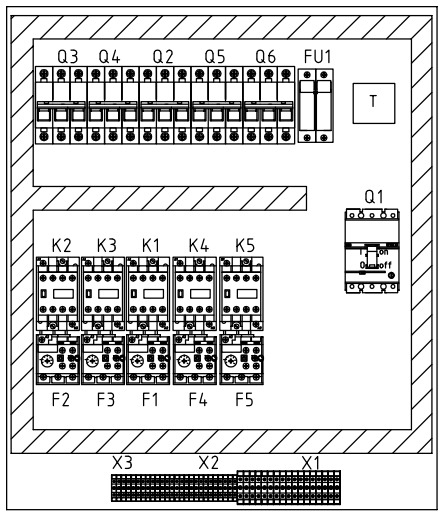


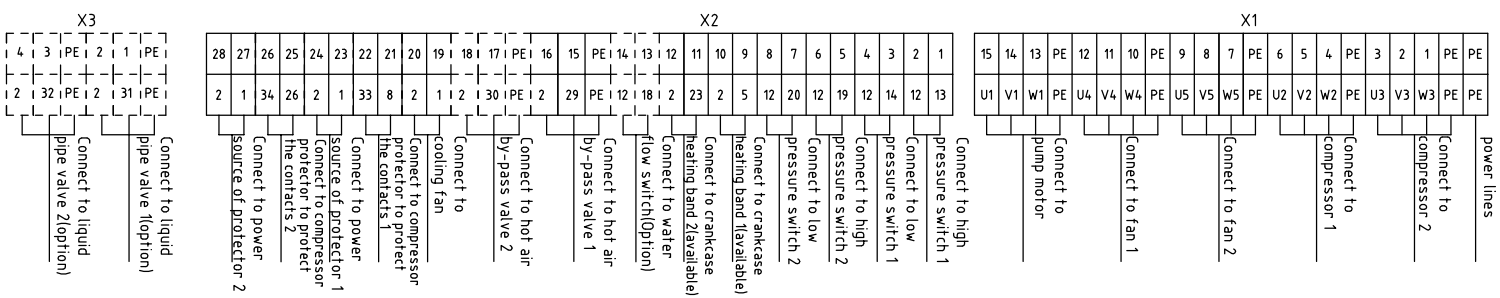
版本	Ver.B

Mark	Before modification	After modification	Modified by	Modify date	Drawer	陆家权	Version	A
					Designer	陆家权	Approved by	
					Proofread by			
					Checked by		Date	20161223

Title	Drawing NO.	Scale		Page	2
SIC-75A-R2 Control Circuit Diagram	SIC-75A-R2-CE-230V-A-2	Standard	CE	Totally	5 Pages
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		230V	
		Frequency		50Hz	







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	20161223
					Proofread by		Approved by	
					Designer	陆家权		
					Drawer	陆家权	Version	A

Title: SIC-75A-R2 Electrical Components Layout

Drawing NO.: SIC-75A-R2-CE-230V-A-3

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

Scale		Page	3
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50Hz	

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	
4	Q4 Q5	Circuit breaker	TECO	BM-63C/3020S	20A	2	YE40302003000	
5	K1	Contactor	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	1	YE00601721000	SIC-75A-R2-P
6	K1	Contactor	SIEMENS	3RT6018-1AN21	220VAC 50/60Hz	1	YE00601800000	SIC-75A-R2-HP
7		Auxiliary block	SIEMENS	3RH6911-1AA10	1NO	1	YE00691110000	
8	K2 K3	Contactor	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	Contactor	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	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	10×38 500V	2A	2	YE46002000100	
24	S4 S6	HI pressure switch	----	----	----	2	----	(1)
25	S5 S7	LO 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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	A
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161223

Title: SIC-75A-R2 Electrical Components List 1

Drawing NO.: SIC-75A-R2-CE-230V-A-4

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

Scale		Page	4
Standard	CE	Totally	5 Pages
Voltage	230V		
Frequency	50Hz		

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	YE90048501200	(1)
28		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(1)
29	X1	Terminal board	----	GK35	----	6	YE60003503200	
30		Terminal board	----	GK35PE	----	3	YE60003503500	
31		Terminal board	----	SK2.5	----	9	YE60002503200	
32		Terminal board	----	GK2.5PE	----	3	YE60002503400	
33	X2	Terminal board	----	SK2.5	----	24	YE60002503200	
34		Terminal board	----	GK2.5PE	----	1	YE60002503400	
35		Terminal board	----	SK2.5	----	2	YE60002503200	(2)
36		Terminal board	----	GK2.5PE	----	1	YE60002503400	(2)
37		Terminal board	----	SK2.5	----	2	YE60002503200	(3)
38	X3	Terminal board	----	SK2.5	----	4	YE60002503200	(4)
39		Terminal board	----	GK2.5PE	----	2	YE60002503400	(4)
40	Y1	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)
41	Y2 Y3	Solenoid valve	----	----	230V 50/60Hz	2	----	(1)(4)
42	Y4	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)(2)
43	M1	Pump motor	----	----	230V 50/60Hz 3KW	1	---- SIC-75A-R2-P	(1)
44	M1	Pump motor	----	----	230V 50/60Hz 4KW	1	---- SIC-75A-R2-HP	(1)
45	M2 M3	Compressor	----	----	230V 50/60Hz 16.95kW	2	----	(1)
46	M4 M5	Fan motor	----	----	230V 50/60Hz 2.65kW	2	----	(1)
47	EH1 EH2	Crankcase heating zone	----	----	230V 50/60HZ 45W	2	----	(1)
48	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.

Mark	Before modification	After modification	Modified by	Modify date

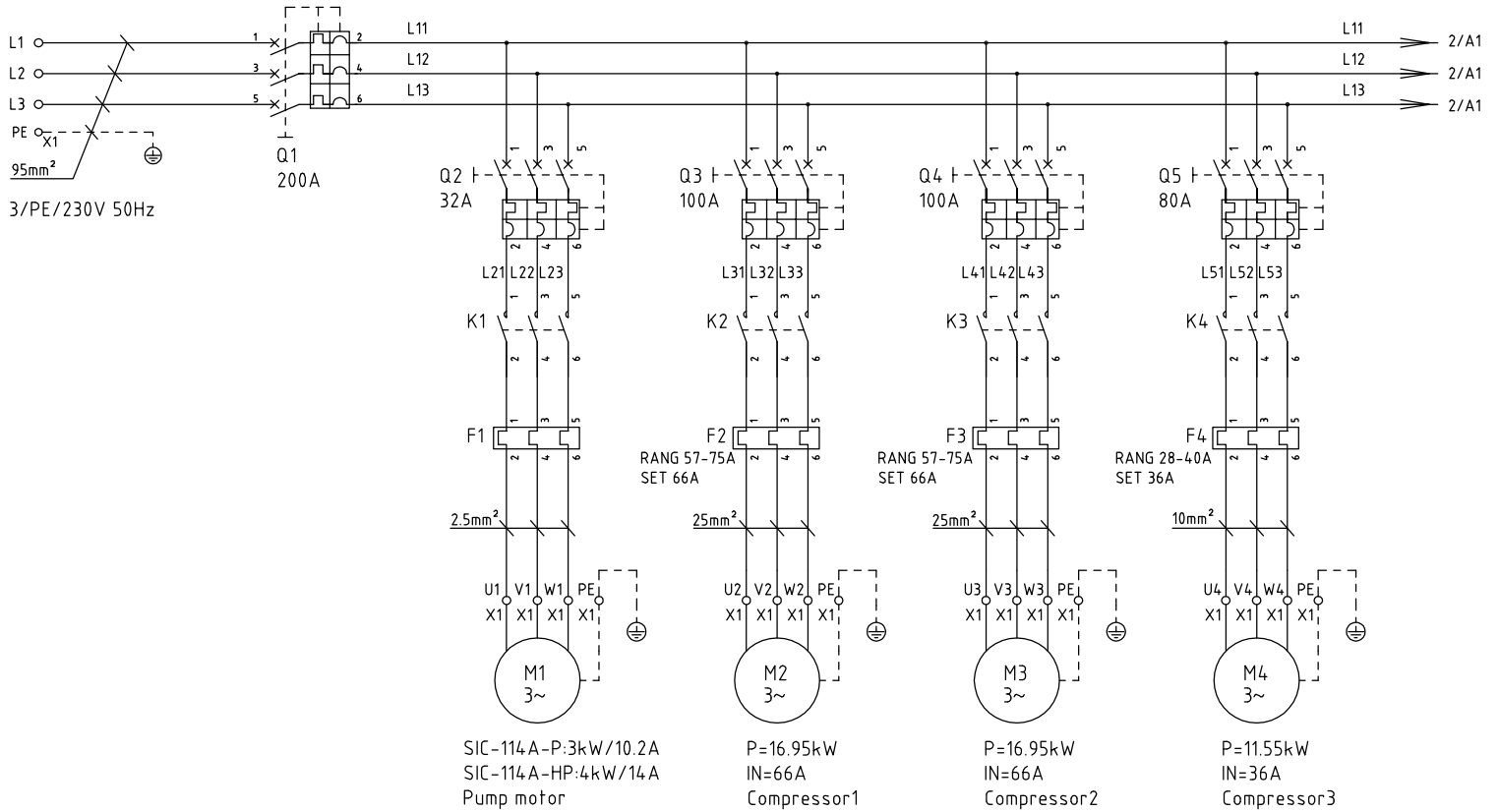
Drawer	陆家权	Version	A
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161223

Title: SIC-75A-R2 Electrical Components List 2

Drawing NO.: SIC-75A-R2-CE-230V-A-5

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

Scale	
Page	5
Standard	CE
Totally	5 Pages
Voltage	230V
Frequency	50Hz



版本 Ver.B

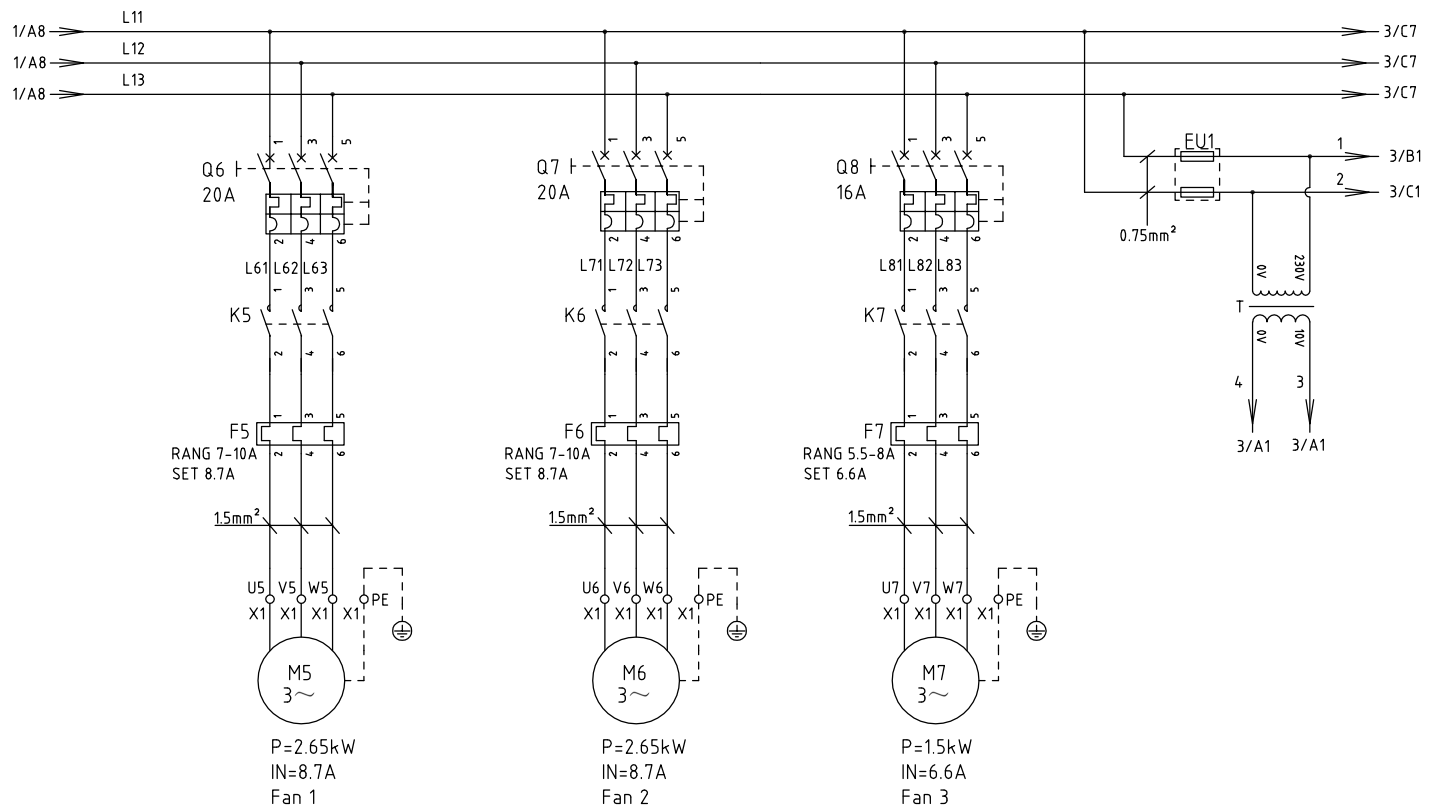
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161230
					Proofread by		Approved by	
					Designer	陆家权		
					Drawer	陆家权	Version	B

Title: SIC-100A-R2
Main Circuit Diagram 1

Drawing NO.: SIC-100A-R2-CE-230V-B-1

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

Scale		Page	1
Standard	CE	Totally	7 Pages
Voltage	230V		
Frequency	50Hz		



版本 Ver.B

Mark	Before modification	After modification	Modified by	Modify date

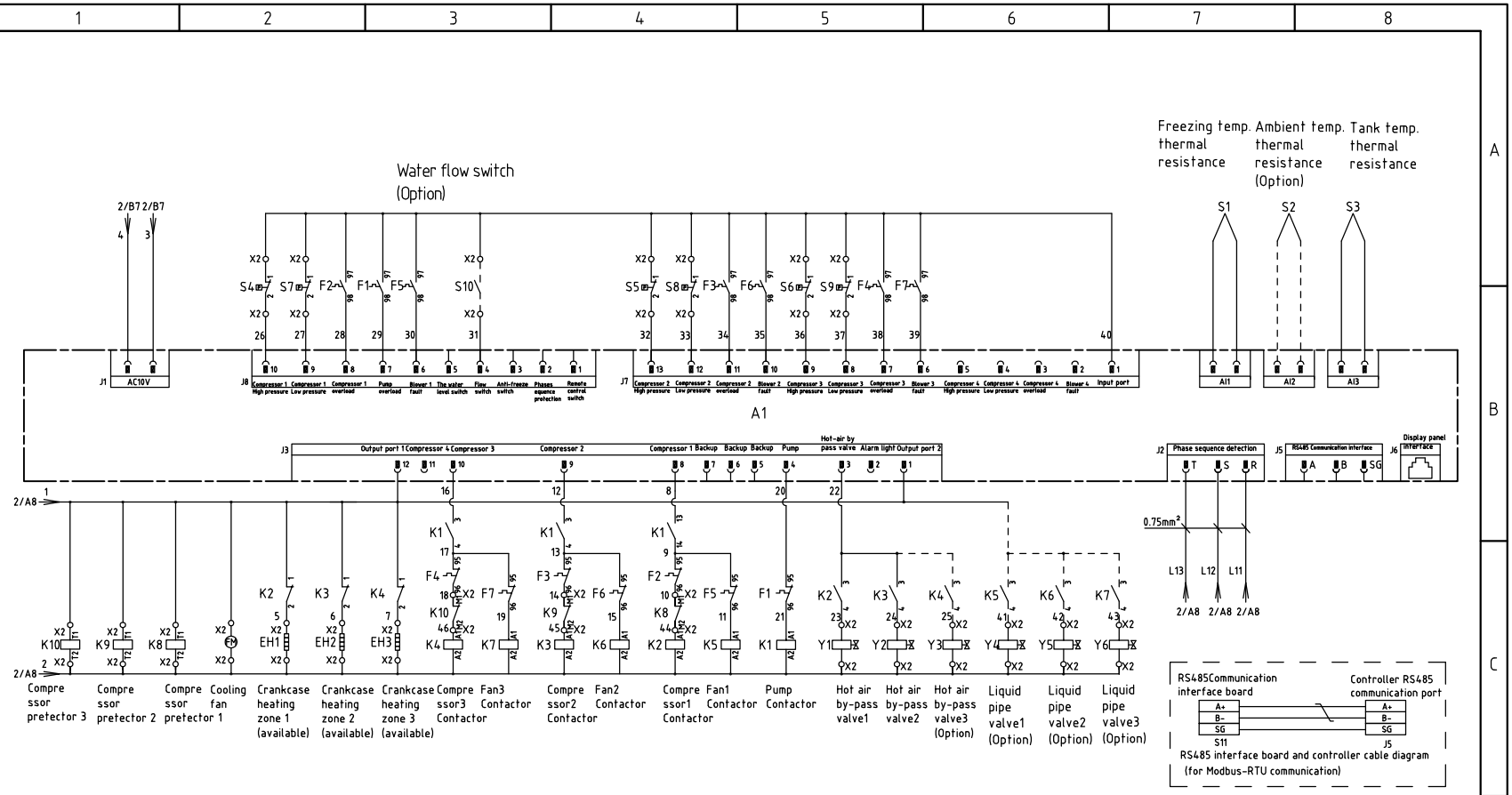
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161230

Title: SIC-100A-R2 Main Circuit Diagram 2

Drawing NO.: SIC-100A-R2-CE-230V-B-2

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

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



版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-100A-R2 Control Circuit Diagram	Drawing NO.: SIC-100A-R2-CE-230V-B-3	Scale: Page 3
					Designer	陆家权	Approved by				Standard: CE Totally 7 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161230			Frequency: 50Hz

X1

21	20	19	PE	18	17	16	PE	15	14	13	PE	12	11	10	PE	9	8	7	PE	6	5	4	PE	3	2	1	PE	PE
U5	V5	W5	PE	U6	V6	W6	PE	U7	V7	W7	PE	U1	V1	W1	PE	U2	V2	W2	PE	U3	V3	W3	PE	U4	V4	W4	PE	PE

Connect to fan 1
Connect to fan 2
Connect to fan 3
Connect to pump motor
Connect to compressor 1
Connect to compressor 2
Connect to compressor 3
Concet to the ground wire of the power supply

X2

44	43	42	41	40	39	38	37	36	35	34	33	32	31	PE	30	29	PE	28	27	PE	26	25	24	23	22	21	PE	22	21	PE	20	19	PE	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
2	1	46	18	2	1	45	14	2	1	44	10	2	43	PE	2	42	PE	2	41	PE	31	40	2	1	2	25	PE	2	24	PE	2	23	PE	2	7	2	6	2	5	27	40	26	40	33	40	32	40	37	40	36	40

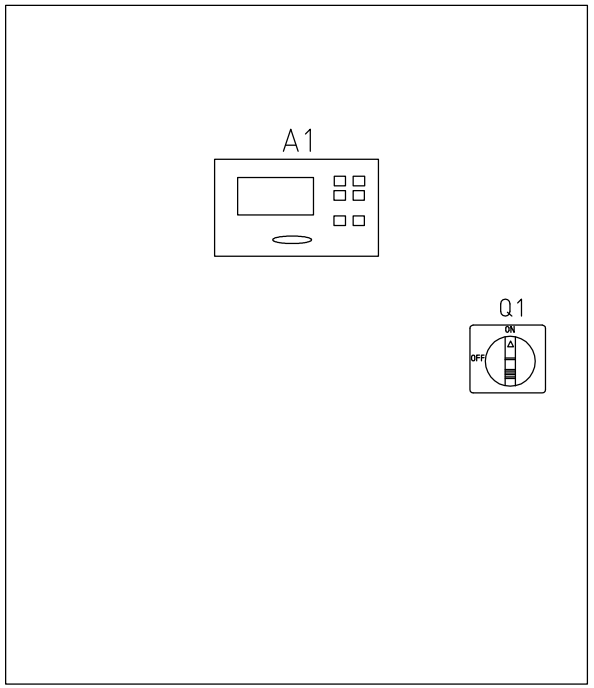
Connect to source of protector 3
Connect to power
Connect to compressor protector to protect the contacts 3
Connect to source of protector 2
Connect to power
Connect to compressor protector to protect the contacts 2
Connect to source of protector 1
Connect to power
Connect to compressor protector to protect the contacts 1
Connect to liquid pipe valve 3(option)
Connect to liquid pipe valve 2(option)
Connect to liquid pipe valve 1(option)
Connect to water flow switch(Option)
Connect to cooling fan
Connect to hot air by-pass valve 3(Option)
Connect to hot air by-pass valve 2
Connect to hot air by-pass valve 1
Connect to crankcase heating band 3(available)
Connect to crankcase heating band 2(available)
Connect to crankcase heating band 1(available)
Connect to crankcase Low pressure switch S7
Connect to compressor 1 High pressure switch S4
Connect to compressor 1 Low pressure switch S8
Connect to compressor 2 High pressure switch S5
Connect to compressor 2 Low pressure switch S9
Connect to compressor 3 High pressure switch S6
Connect to compressor 3

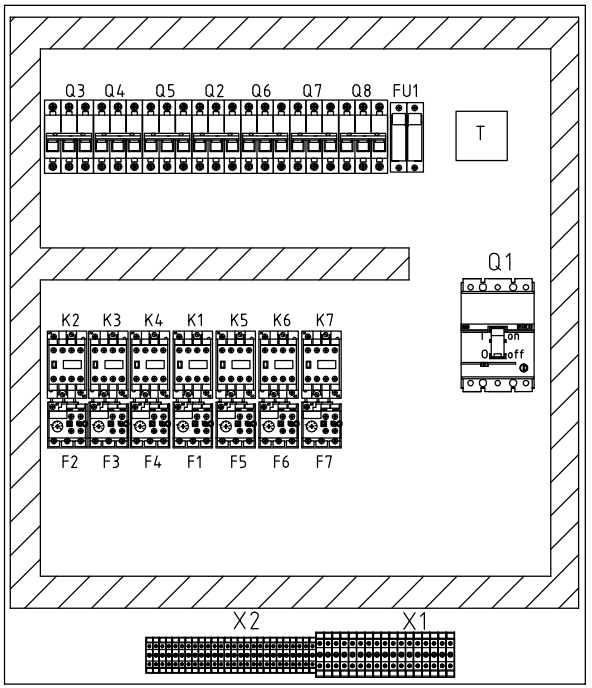
Note: (1)Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.
(2)Compressor, pump, solenoid valve, circuit board must be connected to the ground.

版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-100A-R2 Terminal Connection Diagram	Drawing NO.: SIC-100A-R2-CE-230V-B-4
					Designer	陆家权	Approved by			
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161230		

Scale		Page	4	
Standard	CE	Totally	7	Pages
Voltage		230V		
Frequency		50Hz		





版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-100A-R2 Electrical Components Layout	Drawing NO.: SIC-100A-R2-CE-230V-B-5	Scale: / Page: 5
					Designer	陆家权	Approved by				Standard: CE Totally: 7 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20161230			Frequency: 50Hz

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	
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	
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	
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	

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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B	
Designer	陆家权	Approved by		
Proofread by				
Checked by		Date	20161230	

Title: SIC-100A-R2 Electrical Components List 1

Drawing NO.: SIC-100A-R2-CE-230V-B-6

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

Scale		Page	6
Standard	CE	Totally	7 Pages
Voltage	230V		
Frequency	50Hz		

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	
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		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(1)
34	X1	Terminal board	----	SK2.5	----	12	YE60002503200	
35		Terminal board	----	GK2.5PE	----	4	YE60002503400	
36		Terminal board	----	GK35	----	6	YE60003503200	
37		Terminal board	----	GK35PE	----	3	YE60003503500	
38		Terminal board	----	GK10	----	3	YE60001003200	
39		Terminal board	----	GK10PE	----	1	YE60001003500	
40	X2	Terminal board	----	SK2.5	----	34	YE60002503200	
41		Terminal board	----	GK2.5PE	----	2	YE60002503400	
42		Terminal board	----	SK2.5	----	2	YE60002503200	(1)(2)
43		Terminal board	----	GK2.5PE	----	1	YE60002503400	(1)(2)
44		Terminal board	----	SK2.5	----	2	YE60002503200	(1)(3)
45		Terminal board	----	SK2.5	----	6	YE60002503200	(1)(4)
46		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.

Mark	Before modification	After modification	Modified by	Modify date

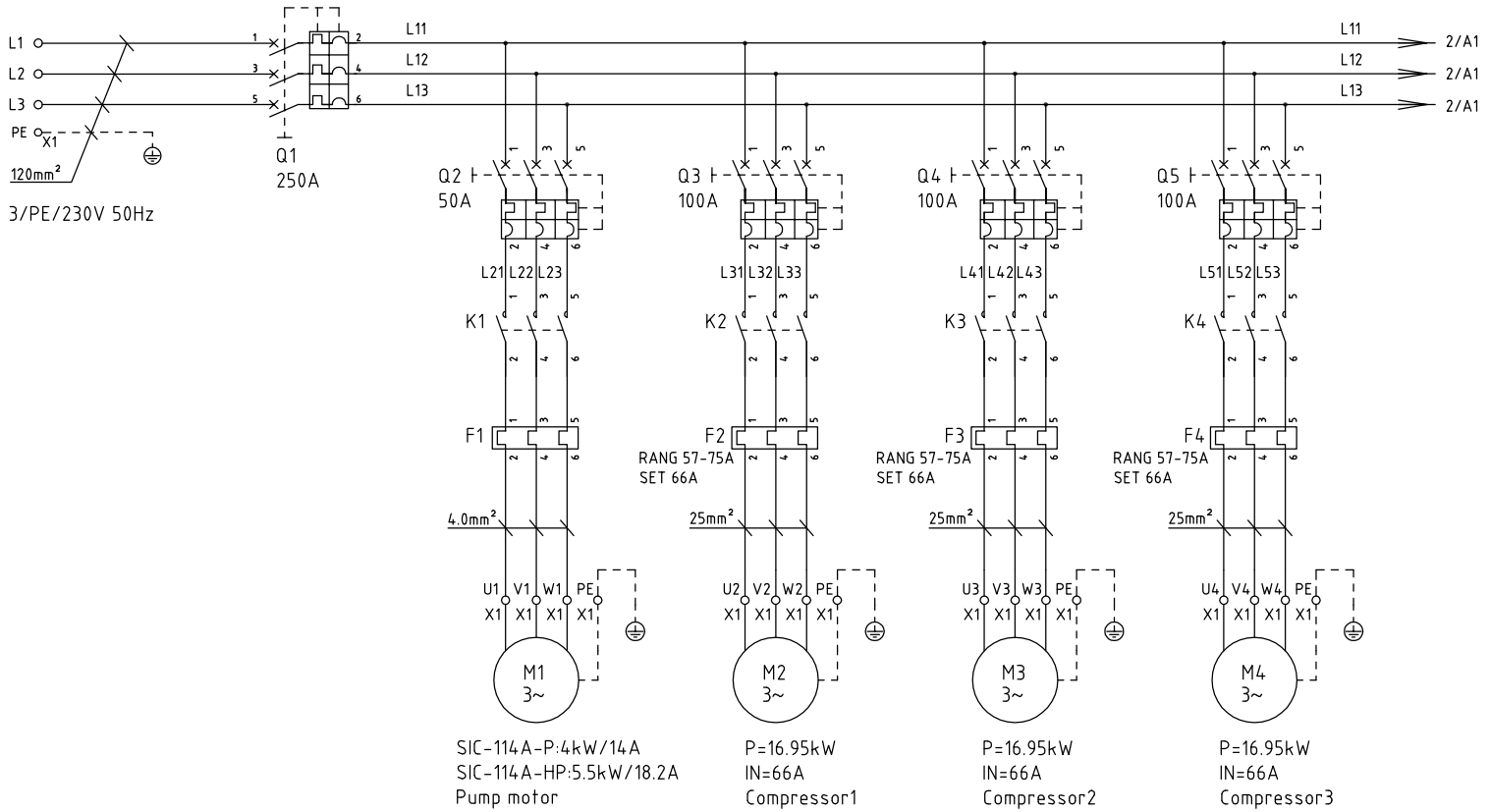
Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20161230

Title: SIC-100A-R2 Electrical Components List 2

Drawing NO.: SIC-100A-R2-CE-230V-B-7

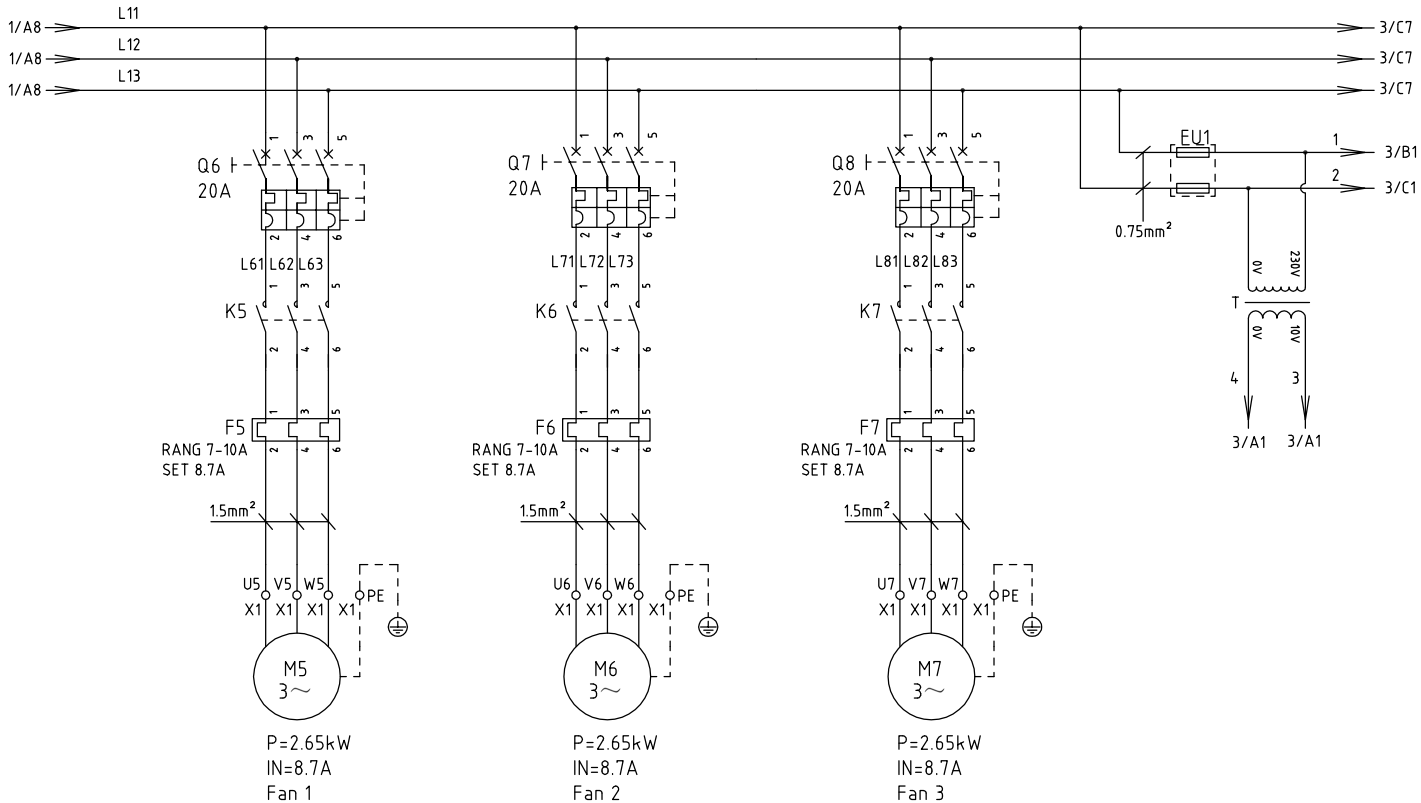
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.

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



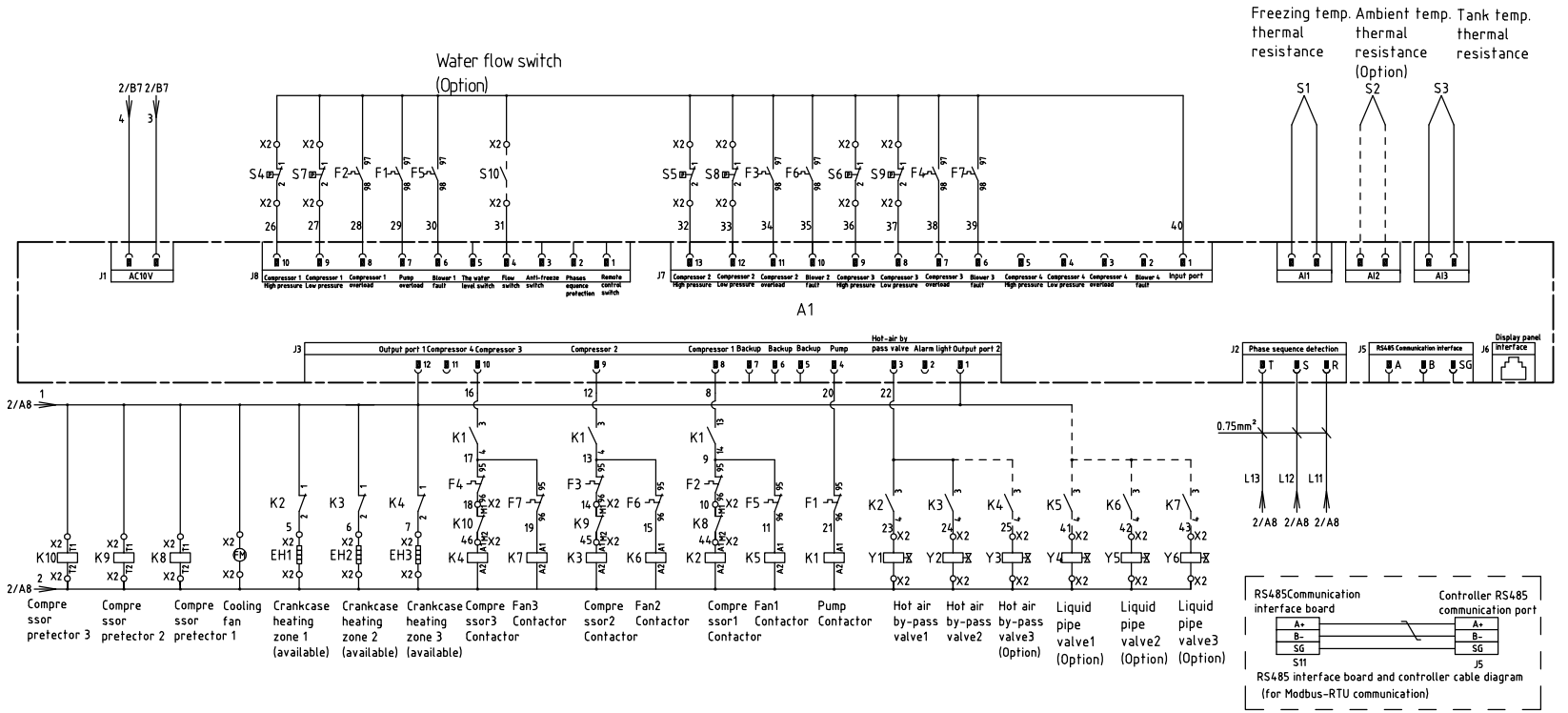
版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-114A-R2 / Main Circuit Diagram 1	Drawing NO.: SIC-114A-R2-CE-230V-B-1	Scale: / Page: 1
					Designer	陆家权	Approved by				Standard: CE / Totally: 7 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20170104			Frequency: 50Hz



版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-114A-R2 / Main Circuit Diagram 2	Drawing NO.: SIC-114A-R2-CE-230V-B-2	Scale: / Page: 2
					Designer	陆家权	Approved by				Standard: CE / Totally: 7 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20170104			Frequency: 50Hz



版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-114A-R2 Control Circuit Diagram	Drawing NO.: SIC-114A-R2-CE-230V-B-3	Scale: / Page: 3
					Designer	陆家权	Approved by				Standard: CE Totally: 7 Pages
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20170104			Frequency: 50Hz

X1

21	20	19	PE	18	17	16	PE	15	14	13	PE	12	11	10	PE	9	8	7	PE	6	5	4	PE	3	2	1	PE	PE
U5	V5	W5	PE	U6	V6	W6	PE	U7	V7	W7	PE	U1	V1	W1	PE	U2	V2	W2	PE	U3	V3	W3	PE	U4	V4	W4	PE	PE

Connect to fan 1
Connect to fan 2
Connect to fan 3
Connect to pump motor
Connect to compressor 1
Connect to compressor 2
Connect to compressor 3
Concet to the ground wire of the power supply

X2

44	43	42	41	40	39	38	37	36	35	34	33	32	31	PE	30	29	PE	28	27	PE	26	25	24	23	22	21	PE	22	21	PE	20	19	PE	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
2	1	46	18	2	1	45	14	2	1	44	10	2	43	PE	2	42	PE	2	41	PE	31	40	2	1	2	25	PE	2	24	PE	2	23	PE	2	7	2	6	2	5	27	40	26	40	33	40	32	40	37	40	36	40

Connect to power source of protector 3
Connect to compressor protector to protect the contacts 3
Connect to power source of protector 2
Connect to compressor protector to protect the contacts 2
Connect to power source of protector 1
Connect to compressor protector to protect the contacts 1
Connect to liquid pipe valve 3(option)
Connect to liquid pipe valve 2(option)
Connect to liquid pipe valve 1(option)
Connect to water flow switch(Option)
Connect to cooling fan
Connect to hot air by-pass valve 3(Option)
Connect to hot air by-pass valve 2
Connect to hot air by-pass valve 1
Connect to crankcase heating band 3(available)
Connect to crankcase heating band 2(available)
Connect to crankcase heating band 1(available)
Connect to crankcase Low pressure switch S7
Connect to compressor 1 High pressure switch S4
Connect to compressor 1 Low pressure switch S8
Connect to compressor 2 High pressure switch S5
Connect to compressor 2 Low pressure switch S9
Connect to compressor 3 High pressure switch S6
Connect to compressor 3

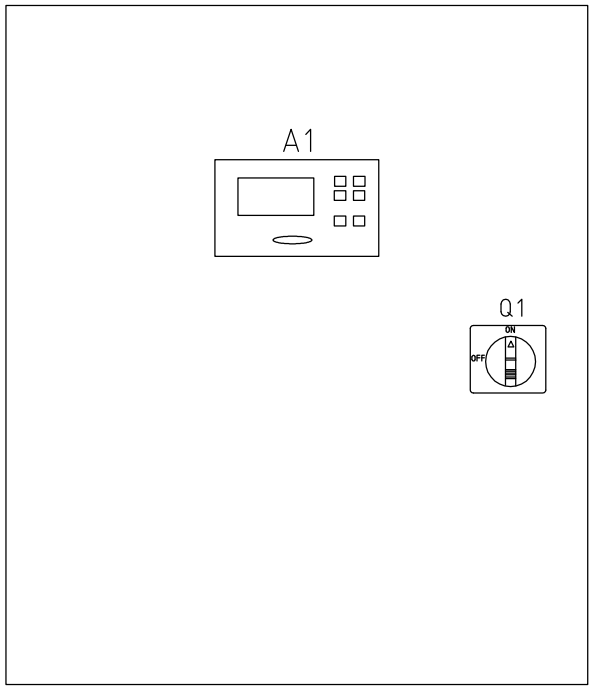
Note: (1)Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.
(2)Compressor, pump, solenoid valve, circuit board must be connected to the ground.

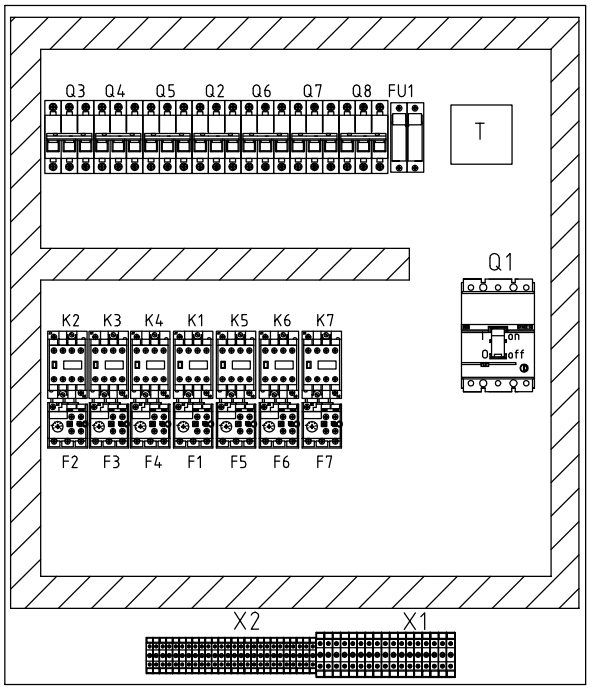
版本 Ver.B

Mark	Before modification	After modification	Modified by	Modify date					
					Drawer	陆家权	Version	B	
					Designer	陆家权	Approved by		
					Proofread by				
					Checked by		Date	20170104	

Title: SIC-114A-R2 Terminal Connection Diagram
Drawing NO.: SIC-114A-R2-CE-230V-B-4
Scale:
Standard: CE
Page 4
Totally 7 Pages
Voltage: 230V
Frequency: 50Hz

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





版本 Ver.B

					Drawer	陆家权	Version	B	Title: SIC-114A-R2 Electrical Components Layout	Drawing NO.: SIC-114A-R2-CE-230V-B-5
					Designer	陆家权	Approved by			
					Proofread by				SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20170104		

Scale		Page	5
Standard	CE	Totally	7 Pages
Voltage		230V	
Frequency		50Hz	

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-100D/3100S	100A	3	YE40310003000	
4	Q6 Q7 Q8	Circuit breaker	TECO	BM-63C/3020S	20A	3	YE40302003000	
5	K1	Contactor	SIEMENS	3RT6026-1AN20	220VAC 50/60Hz	1	YE00602622000	
6		Auxiliary block	SIEMENS	3RH6911-1HA22	2NO+2NC	1	YE00691100000	
7	K2 K3 K4	Contactor	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		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	1	YE00592110000	(2)
11		Auxiliary block	SIEMENS	3RH5921-1CA10	1NO	3	YE00592110000	(4)
12	K5 K6 K7	Contactor	SIEMENS	3RT6017-1AN21	220VAC 50/60Hz	3	YE00601721000	
13	FU1	Fuse base	CHNT	RT18-32	32A 2P	1	YE41032200000	
14		Fuse core	MRO	10×38	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	LO pressure switch	----	----	----	3	----	(1)
25	S10	Water flow switch	----	----	----	1	----	(1) (3)

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.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20170104

Title: SIC-114A-R2 Electrical Components List 1

Drawing NO.: SIC-114A-R2-CE-230V-B-6

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

Scale		Page	6
Standard	CE	Totally	7 Pages
Voltage	230V		
Frequency	50Hz		

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26	S11	Communication interface board RS-485 (double Dsub-9pin connector)	----	----	----	1	YE90048501200	(1)
27		Shell RS485(SAL-700G-A-19)0	----	----	----	1	YR40048500000	(1)
28	X1	Terminal board	----	SK2.5	----	9	YE60002503200	
29		Terminal board	----	GK2.5PE	----	3	YE60002503400	
30		Terminal board	----	GK4	----	3	YE60000403200	
31		Terminal board	----	GK5PE	----	1	YE60000403500	
32		Terminal board	----	GK35	----	9	YE60003503200	
33		Terminal board	----	GK35PE	----	4	YE60003503500	
34	X2	Terminal board	----	SK2.5	----	34	YE60002503200	
35		Terminal board	----	GK2.5PE	----	2	YE60002503400	
36		Terminal board	----	SK2.5	----	2	YE60002503200	(1)(2)
37		Terminal board	----	GK2.5PE	----	1	YE60002503400	(1)(2)
38		Terminal board	----	SK2.5	----	2	YE60002503200	(1)(3)
39		Terminal board	----	SK2.5	----	6	YE60002503200	(1)(4)
40		Terminal board	----	GK2.5PE	----	3	YE60002503400	(1)(4)
41	Y1 Y2	Solenoid valve	----	----	230V 50/60Hz	2	----	(1)
42	Y3	Solenoid valve	----	----	230V 50/60Hz	1	----	(1)(2)
43	Y4 Y5 Y6	Solenoid valve	----	----	230V 50/60Hz	3	----	(1)(4)
44	M1	Pump motor	----	----	230V 50/60Hz 4KW	1	SIC-114A-R2-P	(1)
45	M1	Pump motor	----	----	230V 50/60Hz 5.5KW	1	SIC-114A-R2-HP	(1)
46	M2 M3 M4	Compressor	----	----	230V 50/60Hz 16.9kW	3	----	(1)
47	M5 M6 M7	Fan motor	----	----	230V 50/60Hz 2.65kW	3	----	(1)
48	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 third by-pass valve. (3)Stands for optional water flow switch.(4)Stands for optional liquid pipe valve.

Mark	Before modification	After modification	Modified by	Modify date

Drawer	陆家权	Version	B
Designer	陆家权	Approved by	
Proofread by			
Checked by		Date	20170104

Title: SIC-114A-R2 Electrical Components List 2

Drawing NO.: SIC-114A-R2-CE-230V-B-7

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

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