

Low pressure 230V 50HZ

Model	Power	Contactor type	Thermal relay model	Parts NO.
SIC-9W	0.75kW	3RT6015-1ANZ1	BRU6116-1EB0	YE00601521000/ YE01160280000
SIC-14W	0.75kW	3RT6015-1ANZ1	BRU6116-1EB0	YE00601521000/ YE01160280000
SIC-21W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-28W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-33W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-42W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-56W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000
SIC-66W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000
SIC-84W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000
SIC-112W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000
SIC-126W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000
SIC-132W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000

Middle pressure 230V 50HZ

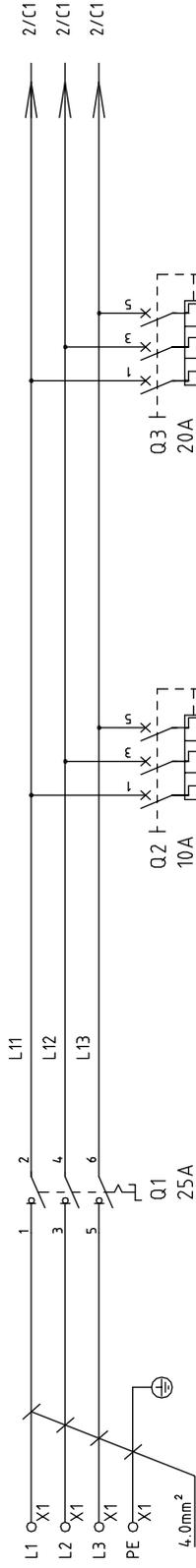
Model	Power	Contactor type	Thermal relay model	Parts NO.
SIC-9W	0.75kW	3RT6015-1ANZ1	BRU6116-1EB0	YE00601521000/ YE01160280000
SIC-14W	0.75kW	3RT6015-1ANZ1	BRU6116-1EB0	YE00601521000/ YE01160280000
SIC-21W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-28W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-33W	1.5kW	3RT6015-1ANZ1	BRU6116-1HB0	YE00601521000/ YE01160550000
SIC-42W	1.5kW	3RT6015-1ANZ1	BRU6116-1HB0	YE00601521000/ YE01160550000
SIC-56W	1.8kW	3RT6017-1ANZ1	BRU6116-1JB0	YE00601721000/ YE01167100000
SIC-66W	1.8kW	3RT6017-1ANZ1	BRU6116-1JB0	YE00601721000/ YE01167100000
SIC-84W	3.0kW	3RT6018-1ANZ1	BRU6116-4AB0	YE00601821000/ YE01161640000
SIC-112W	3.0kW	3RT6018-1ANZ1	BRU6116-4AB0	YE00601821000/ YE01161640000
SIC-126W	4.0kW	3RT6026-1ANZ0	BRU6126-4BB0	YE00602622000/ YE01260140000
SIC-132W	4.0kW	3RT6026-1ANZ0	BRU6126-4BB0	YE00602622000/ YE01260140000

Appendix

High pressure 230V 50HZ

Model	Power	Contactor type	Thermal relay model	Parts NO.
SIC-9W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-14W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-21W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-28W	1.1kW	3RT6015-1ANZ1	BRU6116-1GB0	YE00601521000/ YE01160450000
SIC-33W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000
SIC-42W	2.2kW	3RT6017-1ANZ1	BRU6116-1KB0	YE00601721000/ YE01169125000
SIC-56W	2.4kW	3RT6018-1ANZ1	BRU6126-1KB0	YE00601821000/ YE01169125000
SIC-66W	2.4kW	3RT6018-1ANZ1	BRU6126-1KB0	YE00601821000/ YE01169125000
SIC-84W	4.0kW	3RT6026-1ANZ0	BRU6126-4BB0	YE00602622000/ YE01260140000
SIC-112W	4.0kW	3RT6026-1ANZ0	BRU6126-4BB0	YE00602622000/ YE01260140000
SIC-126W	5.5kW	3RT6027-1ANZ0	BRU6126-4DB0	YE00602722000/ YE01260200000
SIC-132W	5.5kW	3RT6027-1ANZ0	BRU6126-4DB0	YE00602722000/ YE01260200000

Title		Drawing NO.		Scale	Page
SIC-9~132W-R2		SIC-9~132W-R2-CE-230V-B-1		CE	1
Selection of the pump contactor and thermal overload relay					
Version		Approved by		Voltage	
B				230V	
Date		Date		Frequency	
2014.07.30				50/60HZ	
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Mark	Before modification	Modified by	Modify date	After modification	Mark
1					8



3/PE/230V 50/60Hz

RANG 9-12.5A
SET 11A

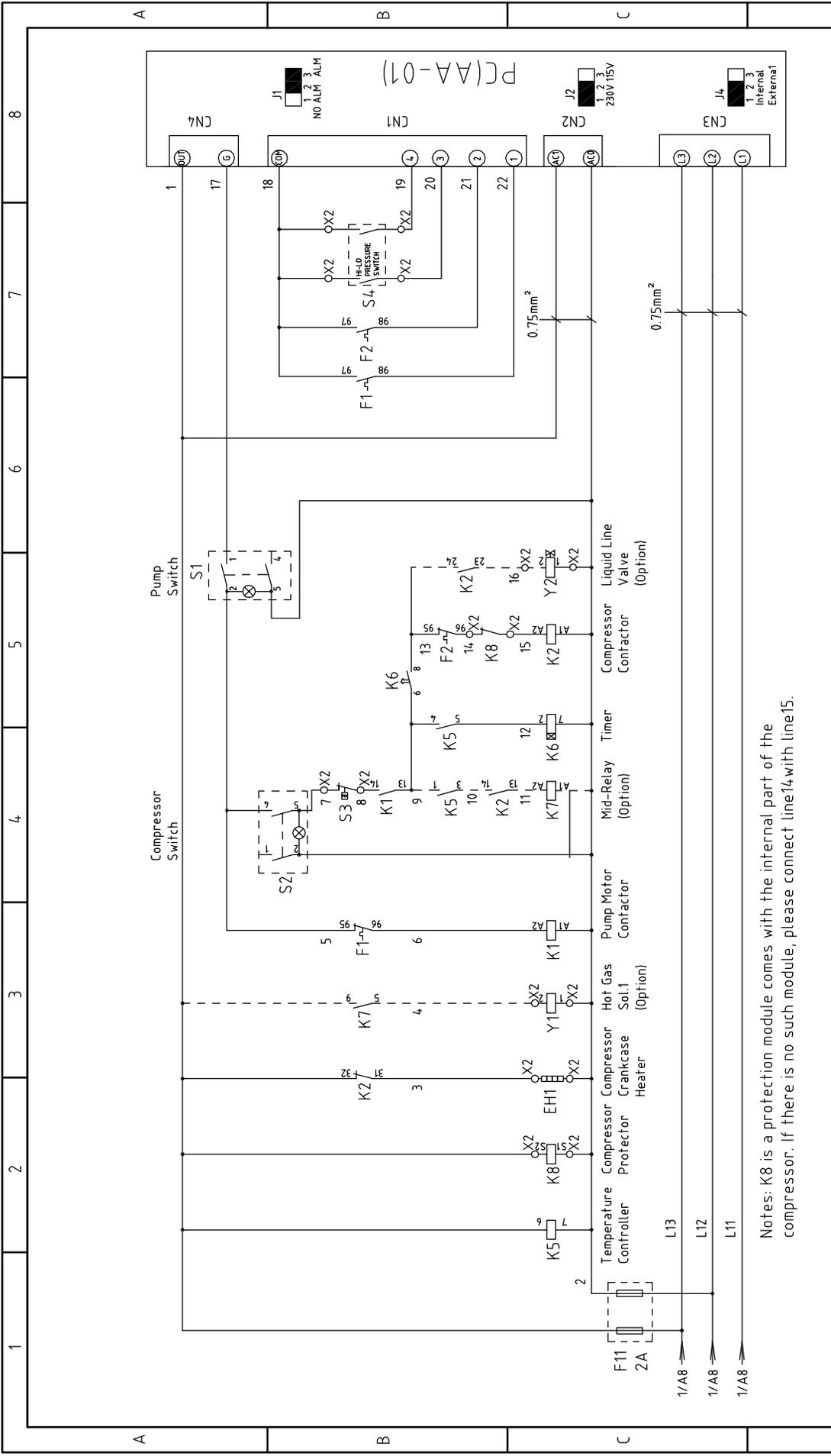
SIC-9W-0.75kW
SIC-9W-P-0.75kW
SIC-9W-HP-1.1kW
Pump Motor

P=2.57kW
IN=10.0A
Compressor

1	2	3	4	5	6	7	8
A	B	C	D				
Mark	Before modification	Modified by	Modify date	Checked by	Date	Approved by	Version
			20120905				0
Title			SIC-9W-R2				
Drawing NO.			SIC-9W-R2-CE-230V-0-1				
Standard			CE				
Voltage			230V				
Frequency			50/60Hz				
Page			1				
Totally			5				
Pages			8				



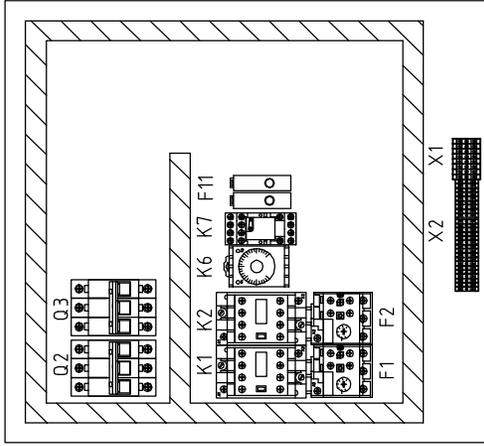
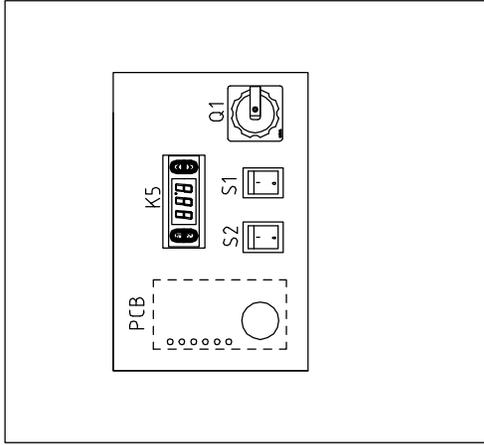
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Shini Plastics Technologies, Inc.



Notes: K8 is a protection module comes with the internal part of the compressor. If there is no such module, please connect line14 with line15.

1	2	3	4	5	6	7	8				
<p>Scale: Standard CE</p> <p>Page: 2</p> <p>Totally: 5 Pages</p> <p>Voltage: 230V</p> <p>Frequency: 50/60HZ</p>											
<p>Mark</p>				<p>Before modification</p>				<p>After modification</p>			
<p>Designer</p>				<p>Approved by</p>				<p>Date</p>			
<p>Proofread by</p>				<p>Checked by</p>				<p>Modify date</p>			
<p>Drawn</p>				<p>Version</p>				<p>Title</p>			
<p>SIC-9W-R2</p>				<p>B</p>				<p>SIC-9W-R2</p>			
<p>Control Circuit Diagram</p>				<p>CE</p>				<p>SIC-9W-R2-CE-230V-B-2</p>			
<p>SHINI</p>				<p>信易電熱機械股份有限公司</p>				<p>Shini Plastics Technologies, Inc.</p>			
<p>2014.0730</p>				<p>2014.0730</p>				<p>2014.0730</p>			
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<p>4</p>				<p>5</p>				<p>6</p>			
<p>7</p>				<p>8</p>				<p>9</p>			
<p>10</p>				<p>11</p>				<p>12</p>			
<p>13</p>				<p>14</p>				<p>15</p>			
<p>16</p>				<p>17</p>				<p>18</p>			
<p>19</p>				<p>20</p>				<p>21</p>			
<p>22</p>				<p>23</p>				<p>24</p>			

1 2 3 4 5 6 7 8



X2		
20	19	+
18	2	22
17	16	PE
15	14	2
13	12	1
11	10	2
9	8	14
7	6	15
5	4	2
3	2	4
1	18	PE
	20	18
	19	19
	18	18
	17	17
	16	16
	15	15
	14	14
	13	13
	12	12
	11	11
	10	10
	9	9
	8	8
	7	7
	6	6
	5	5
	4	4
	3	3
	2	2
	1	1

Connect to thermal resistance

Connect to liquid pipe valve (option)

Connect to crankcase heating band (available)

Connect to anti-freeze switch

Connect to protector of compressor

Connect to by-pass valve(option)

Connect to high pressure switch

Connect to low pressure switch

X1		
12	11	10
10	9	8
8	7	6
6	5	4
4	3	2
2	1	1
U1	V1	W1
U2	V2	W2
U3	V3	W3
U4	V4	W4
U5	V5	W5
U6	V6	W6
U7	V7	W7
U8	V8	W8
U9	V9	W9
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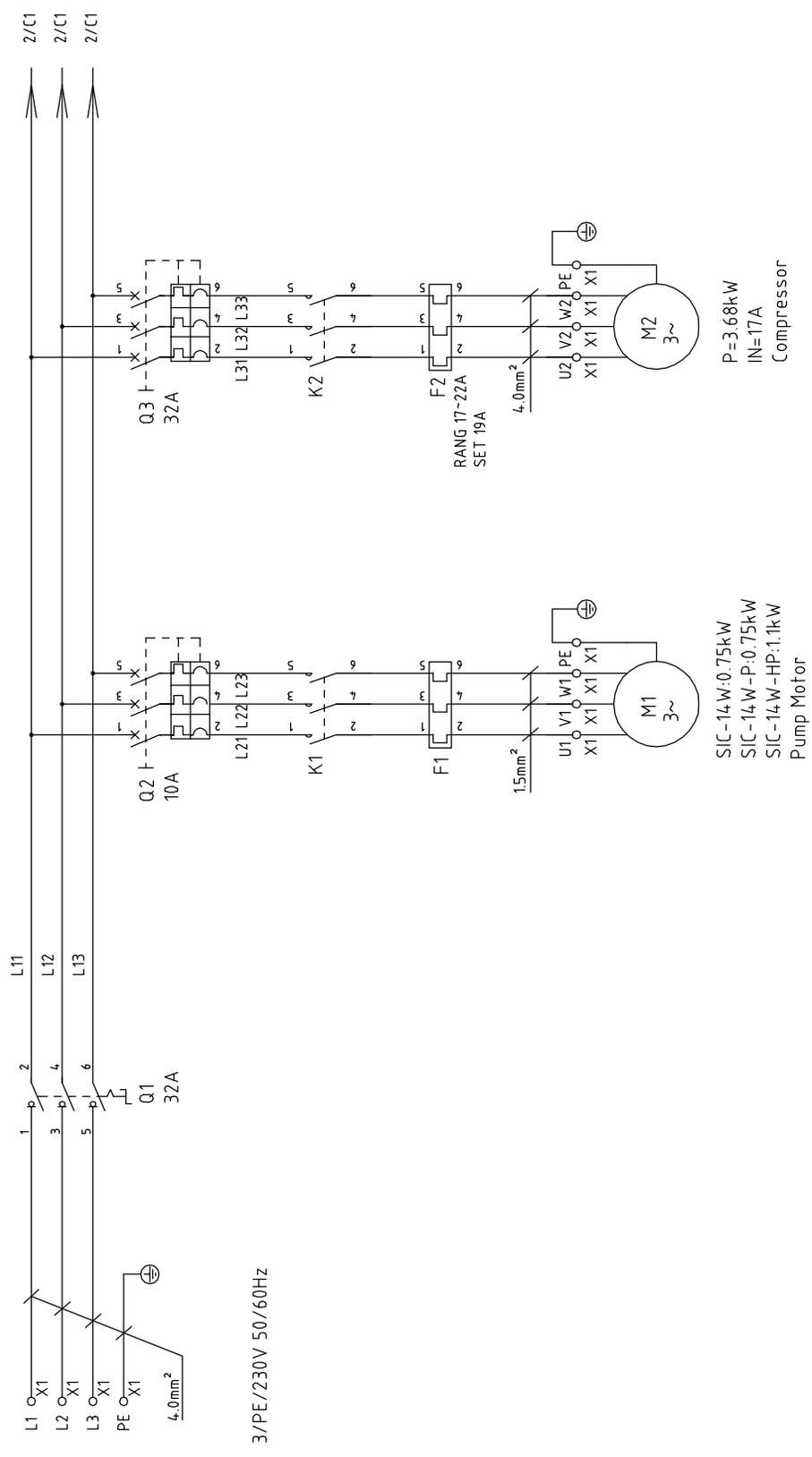
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NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
1	Q1	Main switch	MOELLER	TO-2-1/EA/SVB	25A	1	YE10125250000								
2	Q2	Circuit breaker*	CHINT	DZ47-63/3P	10A	1	YE40600300000								
3	Q3	Circuit breaker*	CHINT	DZ47-63/3P	20A	1	YE40602000000								
4	K1	Contact*	SIEMENS	----	230VAC 50/60Hz	1	----	As appendix							
5	K2	Contact*	SIEMENS	3RT6018-1AN22	230VAC 50/60Hz	1	YE00601800100								
6		Auxiliary block	SIEMENS	3RH6911-1AH22	2NO+2NC	1	YE00691100000	(2)							
7	K5	Temperature controller*	LAE	AC1-5TS2RW-A	115~230VAC	1	YE85120200000								
8	K6	Timer	YUYUN	TH3M-NAB	3S-60M AC220V	1	YE86300300000								
9	K7	Middle reley	WEIDEMILE	DRM270730LT	AC220V	1	YE03270700000	(2)							
10	F1	Overload relay*	SIEMENS	----	----	1	----	As appendix							
11	F2	Overload relay*	SIEMENS	3RU6116-1KB0	9-12.5A	1	YE01169125000								
12	F11	Fuse**	YINDA	FS-10	2A	2	YE41001000000								
13	S1 S2	Control switch*	MOLVETNO	T120/55	250V~10(5)A 4P WH	2	YE10210400000								
14	S3	Anti-frozen switch*	----	----	----	1	----	(1)							
15	S4	HI-LO pressure switch	----	----	----	1	----	(1)							
16	PCB	Control board*	YUYUN	AA-01	230V 50/60Hz	1	YE80000100000								
17	Y1 Y2	Solenoid valve**	----	----	230V 50/60Hz	2	----	(1)(2)							
18	X1	Terminal board	----	2.5mm ²	----	6	YE61250040000								
19		Terminal board	----	2.5mm ² PE	----	2	YE61253500000								
20		Terminal board	----	4.0mm ²	----	3	YE61040000000								
21		Terminal board	----	4.0mm ² PE	----	1	YE61043500000								
22	X2	Terminal board	----	2.5mm ²	----	14	YE61250040000								
23		Terminal board	----	2.5mm ²	----	4	YE61250040000	(2)							
24		Terminal board	----	2.5mm ² PE	----	2	YE61253500000	(2)							
25	M1	Pump motor	----	----	230V 50/60Hz	1	As appendix	(1)							

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.
/* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	0	Title	SIC-9W-R2	Electrical Components List 1	Drawing NO.	SIC-9W-R2-CE-230V-0-4	Scale	Standard	CE	Page	4	Totally	5	Pages	
				20120905					Approved by															

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Shini Plastics Technologies, Inc.

1		2		3		4		5		6		7		8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
26	M2	Compressor	----	----	230V 50/60Hz 2.57kW	1	----	(1)							
27	EH1	Compressor Crankcase Heater	----	----	230V 50/60HZ 45W	1	----	(1)							
A															
B															
C															
<p>Notes: (1)Means it's not the material inside the control box. (2)Means optional item.</p> <p>★Means possible broken parts. ★★ means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.</p>															
D		Title		Version		0		SIC-9W-R2		Drawing NO.		SIC-9W-R2-CE-230V-0-5		Scale	
		Electrical Components List 2		Approved by								Standard		CE	
		SHINI		Date		20120905		信易電熱機械股份有限公司		Voltage		230V		Page	
		SHINI		Checked by				Shini Plastics Technologies, Inc.		Frequency		50/60HZ		Totally	
Mark		Before modification		Modified by		Modify date								5	
1		2		3		4		5		6		7		8	



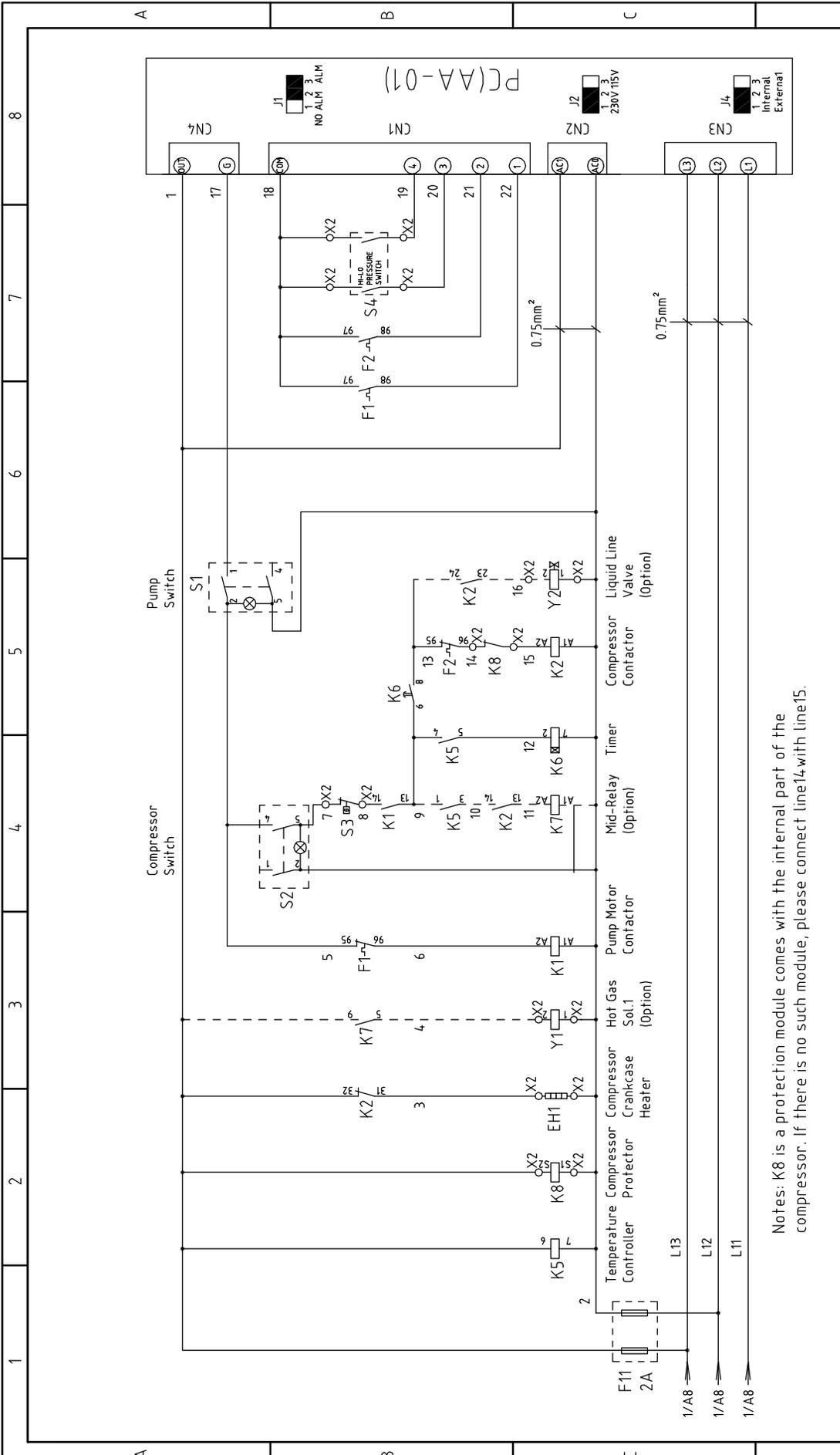
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	0	Title	SIC-14W-R2 Main Circuit Diagram		Drawing NO.	SIC-14W-R2-CE-230V-0-1		Scale	Standard	CE	Page	1		
									Approved by								Voltage	230V	Totally	5	Pages	5	
									Date	20120905							Frequency	50/60Hz					
												 <p>信易熱機械股份有限公司 Shini Plastics Technologies, Inc.</p>											

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A B C D

A B C D

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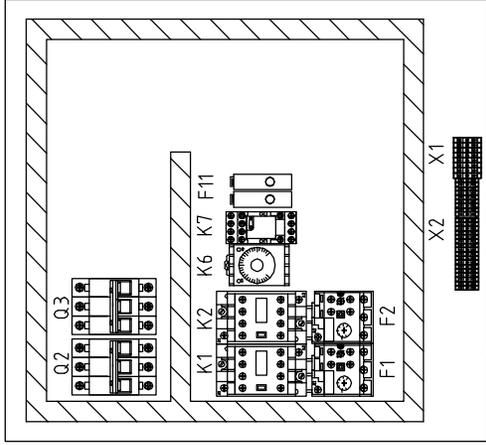
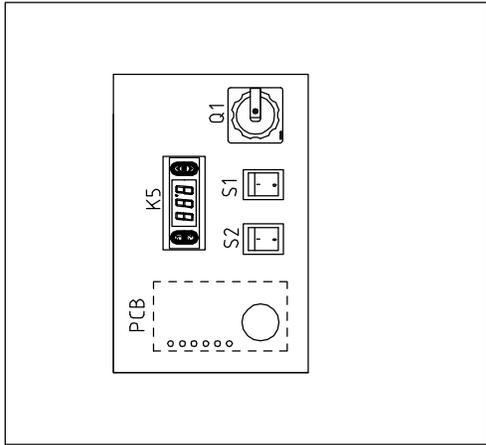


Notes: K8 is a protection module comes with the internal part of the compressor. If there is no such module, please connect line14 with line15.

Scale		Page 2	
Standard	CE	Totally	5 Pages
Voltage		230V	
Frequency		50/60Hz	
Drawing NO.		SIC-14W-R2-CE-230V-B-2	
Title		SIC-14W-R2 Control Circuit Diagram	
Version	B	Approved by	
Designer		Date	2014.07.30
Proofread by		Checked by	
Modified by		Modify date	
After modification			
Mark			



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X2		
20	19	Connect to thermal resistance
18	2	Connect to liquid pipe valve (option)
17	22	Connect to crankcase heating band (available)
16	PE	Connect to anti-freeze switch
15	2	Connect to protector of compressor
14	15	Connect to by-pass valve(option)
13	4	Connect to high pressure switch
12	PE	Connect to low pressure switch
11	20	
10	18	
9	19	
8	18	
7	19	
6	18	
5	19	
4	18	
3	19	
2	18	
1	19	

X1		
12	U1	Connect to pump motor
11	V1	
10	W1	
9	PE	
8	U2	
7	V2	
6	W2	Connect to compressor
5	PE	
4	L1	
3	L2	
2	L3	
1	PE	Connect to power lines

A		B		C		D	
A		B		C		D	
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer
Title		Version		Drawing NO.		Scale	
SIC-14 W-R2		B		SIC-14 W-R2-CE-230V-B-3		CE	
Electrical components layout and terminal connection diagram		Approved by		Voltage		Page 3	
SHINI		Date 2014.0730		230V		Totally 5	
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.				Frequency		Pages	
				50/60HZ		8	

1		2		3		4		5		6		7		8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
1	Q1	Main switch	MOELLER	P1-32/EA/SVB	32A	1	YE10323200000								
2	Q2	Circuit breaker*	CHINT	DZ47-63/3P	10A	1	YE40600300000								
3	Q3	Circuit breaker*	CHINT	DZ47-63/3P	32A	1	YE40603200000								
4	K1	Contact*	SIEMENS	----	230VAC 50/60Hz	1	----	As appendix							
5	K2	Contact*	SIEMENS	3RT6026-1AN20	230VAC 50/60Hz	1	YE00602622000								
6		Auxiliary block	SIEMENS	3RH6911-1AH22	2NO+2NC	1	YE00691100000	(2)							
7	K5	Temperature controller*	LAE	AC1-5TS2RW-A	115~230VAC	1	YE85120200000								
8	K6	Timer	YUYUN	TH3M-NAB	3S-60M AC220V	1	YE86300300000								
9	K7	Middle relay	WEIDEMILE	DRM270730LT	AC220V	1	YE03270700000	(2)							
10	F1	Overload relay*	SIEMENS	----	----	1	----	As appendix							
11	F2	Overload relay*	SIEMENS	3RU6126-4CB0	17-22A	1	YE01260170000								
12	F11	Fuse**	YINDA	FS-10	2A	2	YE41001000000								
13	S1 S2	Control switch*	MOLVETNO	T120/55	250V~10(5)A 4P WH	2	YE10210400000								
14	S3	Anti-frozen switch*	----	----	----	1	----	(1)							
15	S4	HI-LO pressure switch	----	----	----	1	----	(1)							
16	PCB	Control board*	YUYUN	AA-01	230V 50/60Hz	1	YE80000100000								
17	Y1 Y2	Solenoid valve**	----	----	230V 50/60Hz	2	----	(1)(2)							
18	X1	Terminal board	----	2.5mm ²	----	3	YE61250040000								
19		Terminal board	----	2.5mm ² PE	----	1	YE61253500000								
20		Terminal board	----	4.0mm ²	----	6	YE61040000000								
21		Terminal board	----	4.0mm ² PE	----	2	YE61043500000								
22	X2	Terminal board	----	2.5mm ²	----	14	YE61250040000								
23		Terminal board	----	2.5mm ²	----	4	YE61250040000	(2)							
24		Terminal board	----	2.5mm ² PE	----	2	YE61253500000	(2)							
25	M1	Pump motor	----	----	230V 50/60Hz	1	As appendix	(1)							

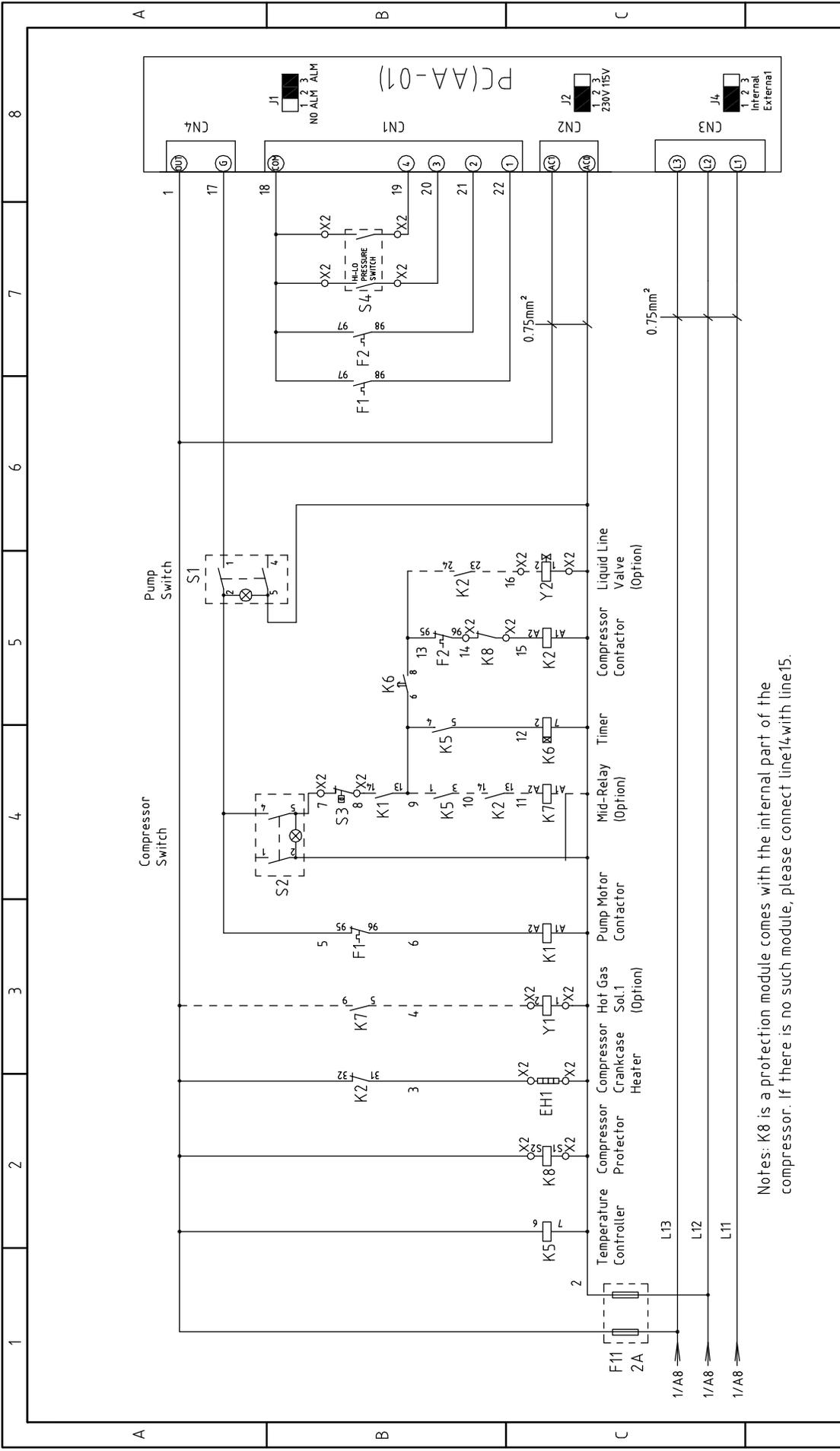
Notes: (1)Means it's not the material inside the control box. (2)Means optional item.
 /* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

D		Drawing NO.		SIC-14W-R2		SIC-14W-R2-CE-230V-0-4		Scale		Page 4	
		Electrical Components List 1		Standard		CE		Voltage		230V	
Mark		Before modification		Modified by		Modify date		Checked by		Date	
						20120905				20120905	
		After modification		Modified by		Date		Approved by		Version	
										0	
								Title		SIC-14W-R2	
								Electrical Components List 1		SIC-14W-R2	
								Standard		CE	
								Voltage		230V	
								Frequency		50/60Hz	
								Page		4	
								Totally		5	
								Pages		8	



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NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
26	M2	Compressor	-----	-----	230V 50/60Hz 3.68kW	1	-----	(1)							
27	EH1	Compressor Crankcase Heater	-----	-----	230V 50/60HZ 45W	1	-----	(1)							
A															
B															
C															
<p>Notes: (1)Means it's not the material inside the control box. (2)Means optional item.</p> <p>•Means possible broken parts. •• means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.</p>															
D		Title		Version		0		SIC-14W-R2		Drawing NO.		Scale		Page	
		Electrical Components List 2		Approved by				SIC-14W-R2-CE-230V-0-5		Standard		CE		Totally 5 Pages	
Mark		Before modification		Modified by		Modify date		20120905		Date		Voltage		230V	
		After modification		Checked by						Frequency		50/60HZ		8	



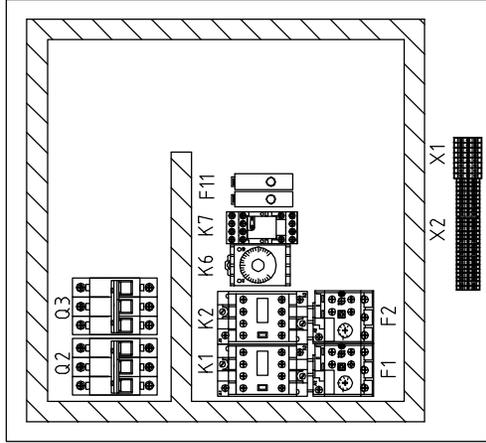
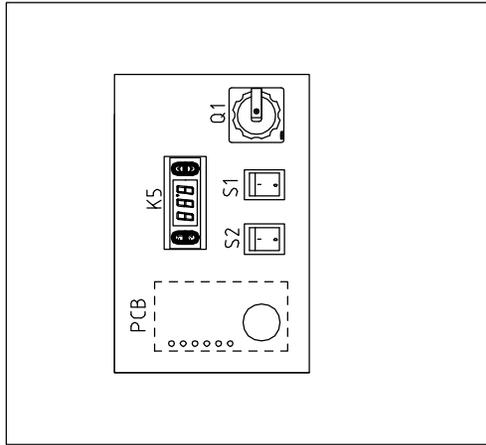


Notes: K8 is a protection module comes with the internal part of the compressor. If there is no such module, please connect line14with line15.

Title		SIC-21W-R2		Drawing NO.		SIC-21W-R2-CE-230V-B-2		Page 2	
Version		B		Standard		CE		Totally 5 Pages	
Designer		Approved by		Voltage		230V		Frequency	
Proofread by		Date		Frequency		50/60HZ			
Checked by		2014.07.30							
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After modification									
Before modification									
Mark									



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X2		
20	19	Connect to thermal resistance
18	2	Connect to liquid pipe valve (option)
17	22	Connect to crankcase heating band (available)
16	PE	Connect to anti-freeze switch
15	2	Connect to protector of compressor
14	3	Connect to by-pass valve(Optional)
13	7	Connect to high pressure switch
12	8	Connect to low pressure switch
11	1	
10	2	
9	14	
8	15	
7	2	
6	4	
5	PE	
4	20	
3	18	
2	19	
1	18	

X1		
12	U1	Connect to pump motor
11	V1	
10	W1	
9	PE	
8	U2	
7	V2	
6	W2	Connect to compressor
5	PE	
4	L1	
3	L2	
2	L3	Connect to power lines
1	PE	

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Mark	Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	B	Title		SIC-21W-R2		SIC-21W-R2-CE-230V-B-3		Scale	Standard	CE	Page	3	
				2014.0730								Electrical components layout and terminal connection diagram		SHINI		Voltage		230V	Pages		Totally	5
												SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Frequency		50/60HZ						

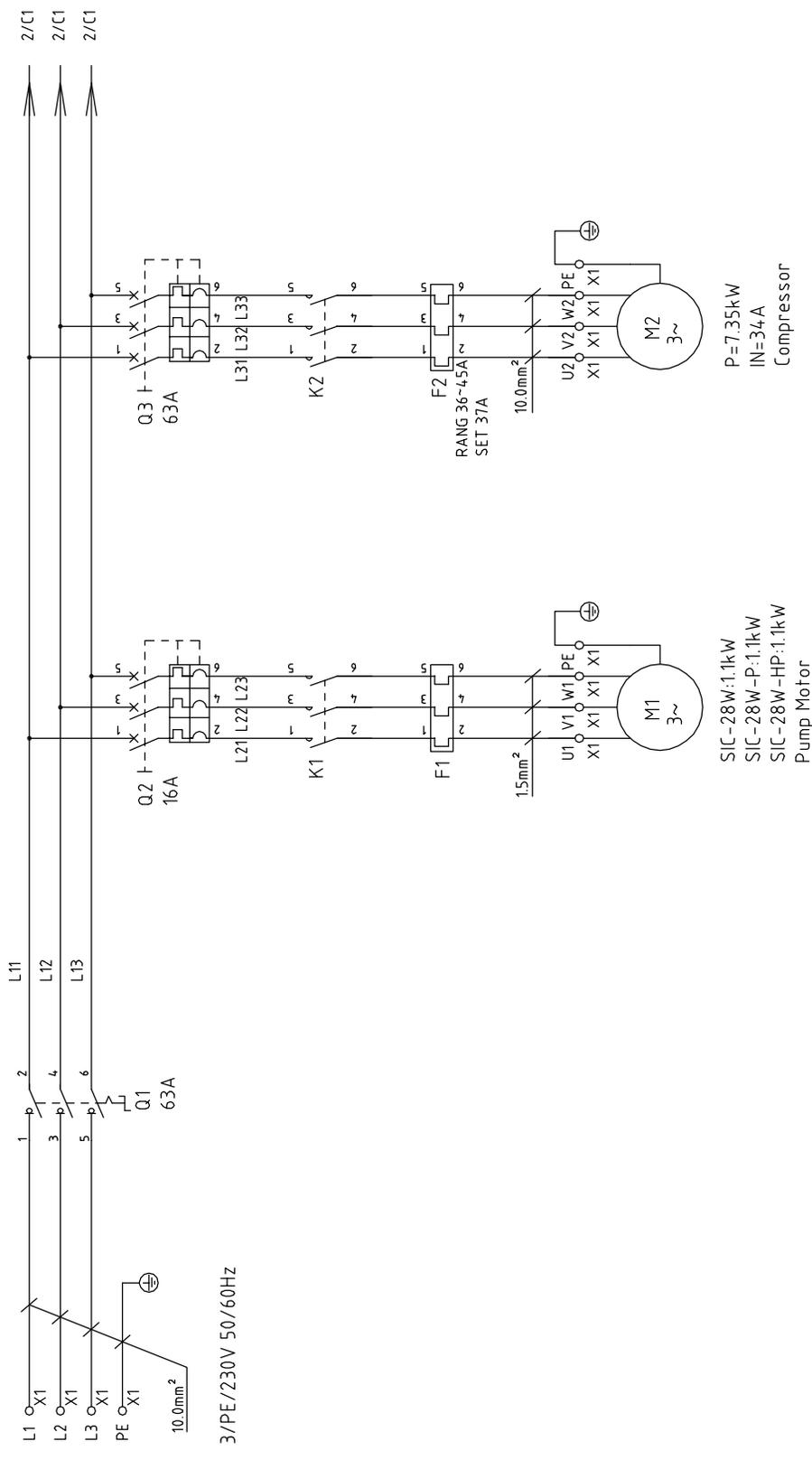
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1	2		3	4	5	6	7	8
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main switch	MOELLER	P1-63/EA/SVB	63A	1	YE10636300000	
2	Q2	Circuit breaker*	CHINT	DZ47-63/3P	10A	1	YE40600300000	
3	Q3	Circuit breaker*	CHINT	DZ47-63/3P	50A	1	YE40605000000	
4	K1	Contact*	SIEMENS	----	230VAC 50/60Hz	1	----	As appendix
5	K2	Contact*	SIEMENS	3RT6028-1AN20	230VAC 50/60Hz	1	YE00602822000	
6		Auxiliary block	SIEMENS	3RH6911-1AH22	2NO+2NC	1	YE00691100000	(2)
7	K5	Temperature controller*	LAE	AC1-5TS2RW-A	115-230VAC	1	YE85120200000	
8	K6	Timer	YUYUN	TH3M-NAB	3S-60M AC220V	1	YE86300300000	
9	K7	Middle realy	WEIDEMILE	DRM270730LT	AC220V	1	YE03270700000	(2)
10	F1	Overload relay*	SIEMENS	----	----	1	----	As appendix
11	F2	Overload relay*	SIEMENS	3RU6126-4EB0	27-32A	1	YE01612600600	
12	F11	Fuse**	YINDA	FS-10	2A	2	YE41001000000	
13	S1 S2	Control switch*	MOLVETNO	T120/55	250V~10(5)A 4P WH	2	YE10210400000	
14	S3	Anti-frozen switch*	----	----	----	1	----	(1)
15	S4	HI-LO pressure switch	----	----	----	1	----	(1)
16	PCB	Control board*	YUYUN	AA-01	230V 50/60Hz	1	YE80000100000	
17	Y1 Y2	Solenoid valve**	----	----	230V 50/60Hz	2	----	(1)(2)
18	X1	Terminal board	----	2.5mm ²	----	3	YE61250040000	
19		Terminal board	----	2.5mm ² PE	----	1	YE61253500000	
20		Terminal board	----	6.0mm ²	----	3	YE61060000000	
21		Terminal board	----	6.0mm ² PE	----	1	YE61063500000	
22		Terminal board	----	10.0mm ²	----	3	YE61100000000	
23		Terminal board	----	10.0mm ² PE	----	1	YE61103500000	
24	X2	Terminal board	----	2.5mm ²	----	14	YE61250040000	
25		Terminal board	----	2.5mm ²	----	4	YE61250040000	(2)

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.
/* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

D		Drawing NO.		SIC-21W-R2		SIC-21W-R2-CE-230V-0-4		Page 4	
		Electrical Components List 1		Standard		CE		Totally 5 Pages	
Mark		Before modification		After modification		Modify date		Voltage 230V	
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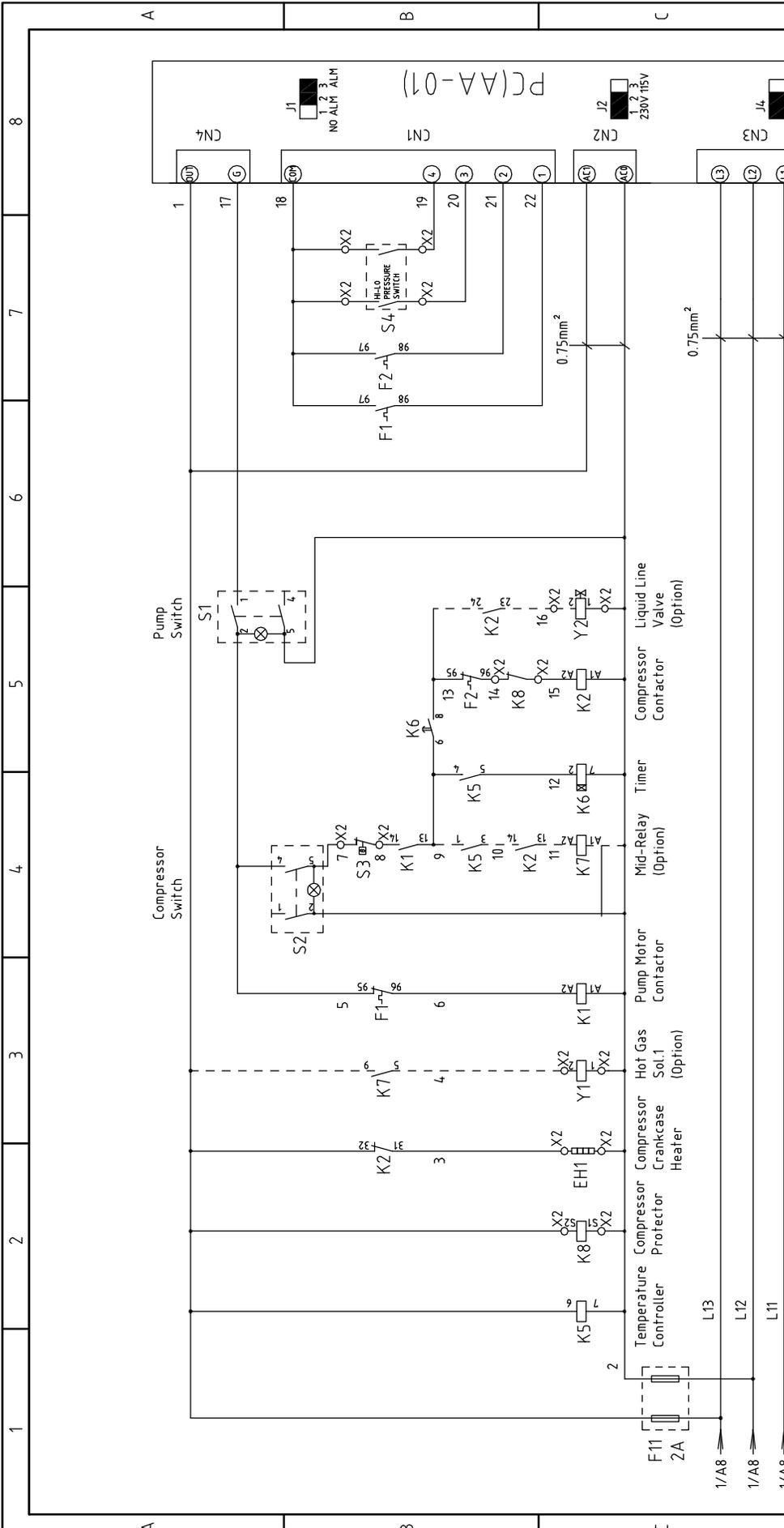
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	Frequency	230V	SIC-28W-R2-CE-230V-0-1		
Mark	Before modification	Modified by	Modify date	20120905	
	After modification	Checked by	Date	20120905	
Title		SIC-28W-R2		Version 0	
Main Circuit Diagram		Approved by		Designer	
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Shini Plastics Technologies, Inc.

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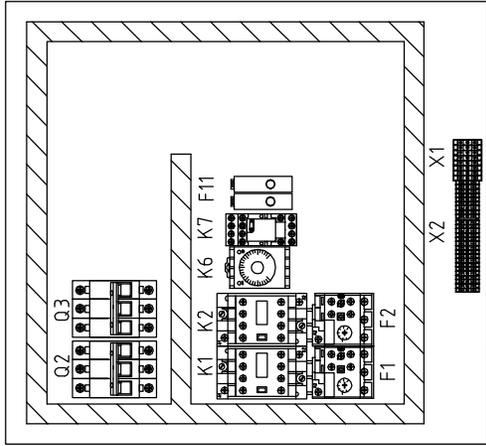
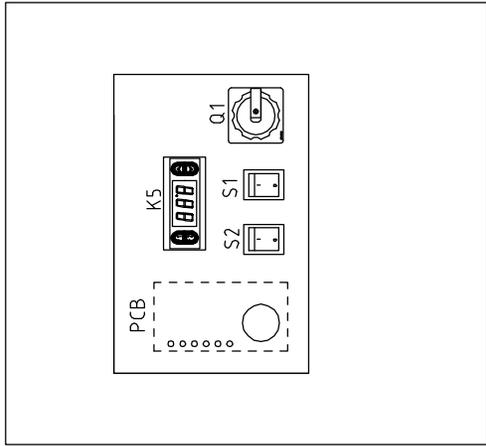
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Notes: K8 is a protection module comes with the internal part of the compressor. If there is no such module, please connect line14 with line15.

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Control Circuit Diagram				Approved by				SIC-28W-R2-CE-230V-B-2				Page 2			
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641				642				643				644			
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673				674				675				676			
677				678				679				680			
681				682				683				684			
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697				698				699				700			
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709				710				711				712			
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717				718				719				720			
721				722				723				724			
725				726				727				728			
729				730				731				732			
733				734				735				736			
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741				742				743				744			
745				746				747				748			
749				750				751				752			
753				754				755				756			
757				758				759				760			
761				762				763				764			
765				766				767				768			
769				770				771				772			
773				774				775				776			
777				778				779				780			
781				782				783				784			
785				786				787				788			
789				790				791				792			
793				794				795				796			
797				798				799				800			
801				802				803				804			
805				806				807				808			
809				810				811				812			
813				814				815				816			
817				818				819				820			
821				822				823				824			
825				826				827				828			
829				830				831				832			
833				834				835				836			
837				838				839				840			
841				842				843				844			
845															

1 2 3 4 5 6 7 8



X2		
20	19	Connect to thermal resistance
+	2	Connect to liquid pipe valve (option)
18	17	Connect to crankcase heating band (available)
17	16	Connect to anti-freeze switch
16	15	Connect to protector of compressor
15	14	Connect to by-pass valve (Option)
14	13	Connect to low pressure switch
13	12	Connect to high pressure switch
12	11	Connect to low pressure switch
11	10	
10	9	
9	8	
8	7	
7	6	
6	5	
5	4	
4	3	
3	2	
2	1	

X1		
12	11	Connect to power lines
11	10	
10	9	
9	8	
8	7	
7	6	
6	5	
5	4	
4	3	
3	2	
2	1	
U1	W1	Connect to pump motor
U2	W2	Connect to compressor
PE	L1	
L2	L3	
PE		

A

B

C

D

Mark	Before modification	1	2	3	4	5	6	7	8
	After modification								
Modified by									
Modify date									
Checked by									
Proofread by									
Designer									
Drawer									
Version	B								
Approved by									
Date	2014.07.30								
Title		SIC-28W-R2		SIC-28W-R2-CE-230V-B-3		SIC-28W-R2-CE-230V-B-3		SIC-28W-R2-CE-230V-B-3	
Drawing NO.		SIC-28W-R2		SIC-28W-R2-CE-230V-B-3		SIC-28W-R2-CE-230V-B-3		SIC-28W-R2-CE-230V-B-3	
Electrical components layout and terminal connection diagram		SHINI		信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.		SHINI	
Scale	Standard	CE							
Page	3								
Totally	5								
Pages									
Voltage	230V								
Frequency	50/60HZ								

1		2		3		4		5		6		7		8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
1	Q1	Main switch	MOELLER	P1-63/EA/SVB	63A	1	YE10636300000								
2	Q2	Circuit breaker*	CHINT	DZ47-63/3P	16A	1	YE40601500000								
3	Q3	Circuit breaker*	CHINT	DZ47-63/3P	63A	1	YE40606000000								
4	K1	Contact*	SIEMENS	----	230VAC 50/60Hz	1	----	As appendix							
5	K2	Contact*	SIEMENS	3RT5035-1AN20	230VAC 50/60Hz	1	YE00503500000								
6		Auxiliary block	SIEMENS	3RH5921-1FA22	2NC+2NO	1	YE00592110100								
7	K5	Temperature controller*	LAE	AC1-5TS2RW-A	115~230VAC	1	YE85120200000								
8	K6	Timer	YUYUN	TH3M-NAB	3S-60M AC220V	1	YE86300300000								
9	K7	Middle reley	WEIDEMILE	DRM270730LT	AC220V	1	YE03270700000	(2)							
10	F1	Overload relay*	SIEMENS	----	----	1	----	As appendix							
11	F2	Overload relay*	SIEMENS	3RU5136-4GB0	36-45A	1	YE01612660000								
12	F11	Fuse**	YINDA	FS-10	2A	2	YE41001000000								
13	S1 S2	Control switch*	MOLVETNO	T120/55	250V~10(5)A 4P WH	2	YE10210400000								
14	S3	Anti-frozen switch*	----	----	----	1	----	(1)							
15	S4	HI-LO pressure switch	----	----	----	1	----	(1)							
16	PCB	Control board*	YUYUN	AA-01	230V 50/60Hz	1	YE80000100000								
17	Y1 Y2	Solenoid valve**	----	----	230V 50/60Hz	2	----	(1)(2)							
18	X1	Terminal board	----	2.5mm ²	----	3	YE61250040000								
19		Terminal board	----	2.5mm ² PE	----	1	YE61253500000								
20		Terminal board	----	10.0mm ²	----	6	YE61100000000								
21		Terminal board	----	10.0mm ² PE	----	2	YE61103500000								
22	X2	Terminal board	----	2.5mm ²	----	14	YE61250040000								
23		Terminal board	----	2.5mm ²	----	4	YE61250040000	(2)							
24		Terminal board	----	2.5mm ² PE	----	2	YE61253500000	(2)							
25	M1	Pump motor	----	----	230V 50/60Hz	1	As appendix	(1)							

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.
/* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

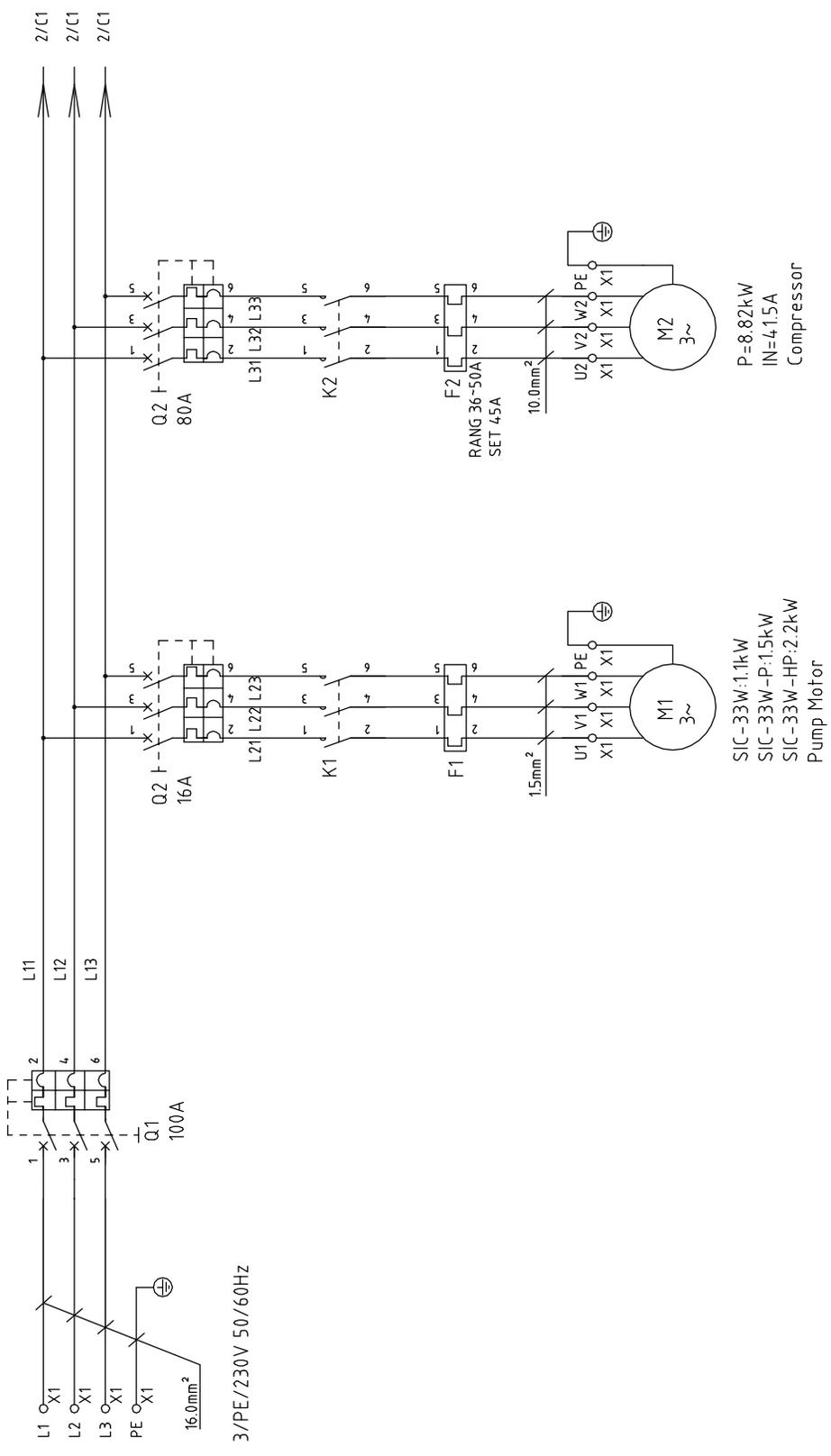
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				20120905					Approved by		 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.												

1		2		3		4		5		6		7		8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
26	M2	Compressor	----	----	230V 50/60Hz 7.35kW	1	----	(1)							
27	EH1	Compressor Crankcase Heater	----	----	230V 50/60HZ 45W	1	----	(1)							
A									B						
C									D						
Notes: (1)Means it's not the material inside the control box. (2)Means optional item.															
*Means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.															
D		Title		Version		0		SIC-28W-R2		Drawing NO.		SIC-28W-R2-CE-230V-0-5		Scale	
		Electrical Components List 2		Approved by						CE		Page 5		Totally 5 Pages	
Mark		Before modification		Modified by		Modify date		Date		20120905		Voltage		230V	
		After modification		Checked by								Frequency		50/60HZ	
1		2		3		4		5		6		7		8	



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Shini Plastics Technologies, Inc.

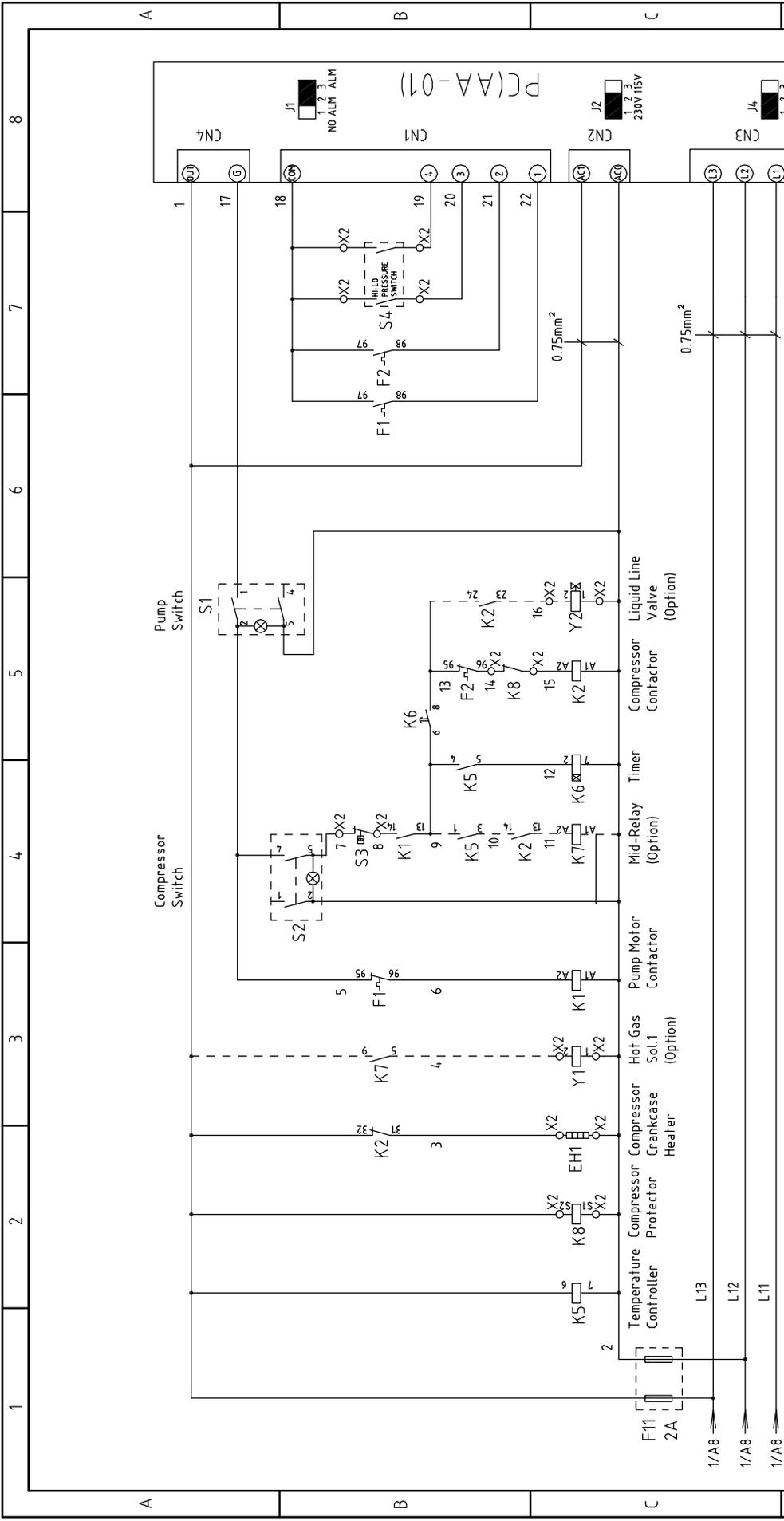
1 2 3 4 5 6 7 8



Scale	Page 1	Voltage 230V
	Standard CE	
Drawing NO.		Frequency 50/60Hz
SIC-33W-R2		
SIC-33W-R2-CE-230V-0-1		
Title		
SIC-33W-R2		
Main Circuit Diagram		
Version	0	
Approved by		
Date	20120905	
Modified by		
Modify date		
After modification		
Before modification		
Mark		



1 2 3 4 5 6 7 8



Notes: K8 is a protection module comes with the internal part of the compressor. If there is no such module, please connect line14 with line15.

1		2		3		4		5		6		7		8	
A															
B															
C															
D															
Title				Version				Drawing NO.				Page			
SIC-33W-R2				B				SIC-33W-R2				2			
Control Circuit Diagram				Approved by				Standard				CE			
SHINI				Date				Voltage				Pages			
2014.07.30				2014.07.30				230V				5			
Mark				Modified by				Frequency				Totally			
Before modification				After modification				50/60HZ				8			

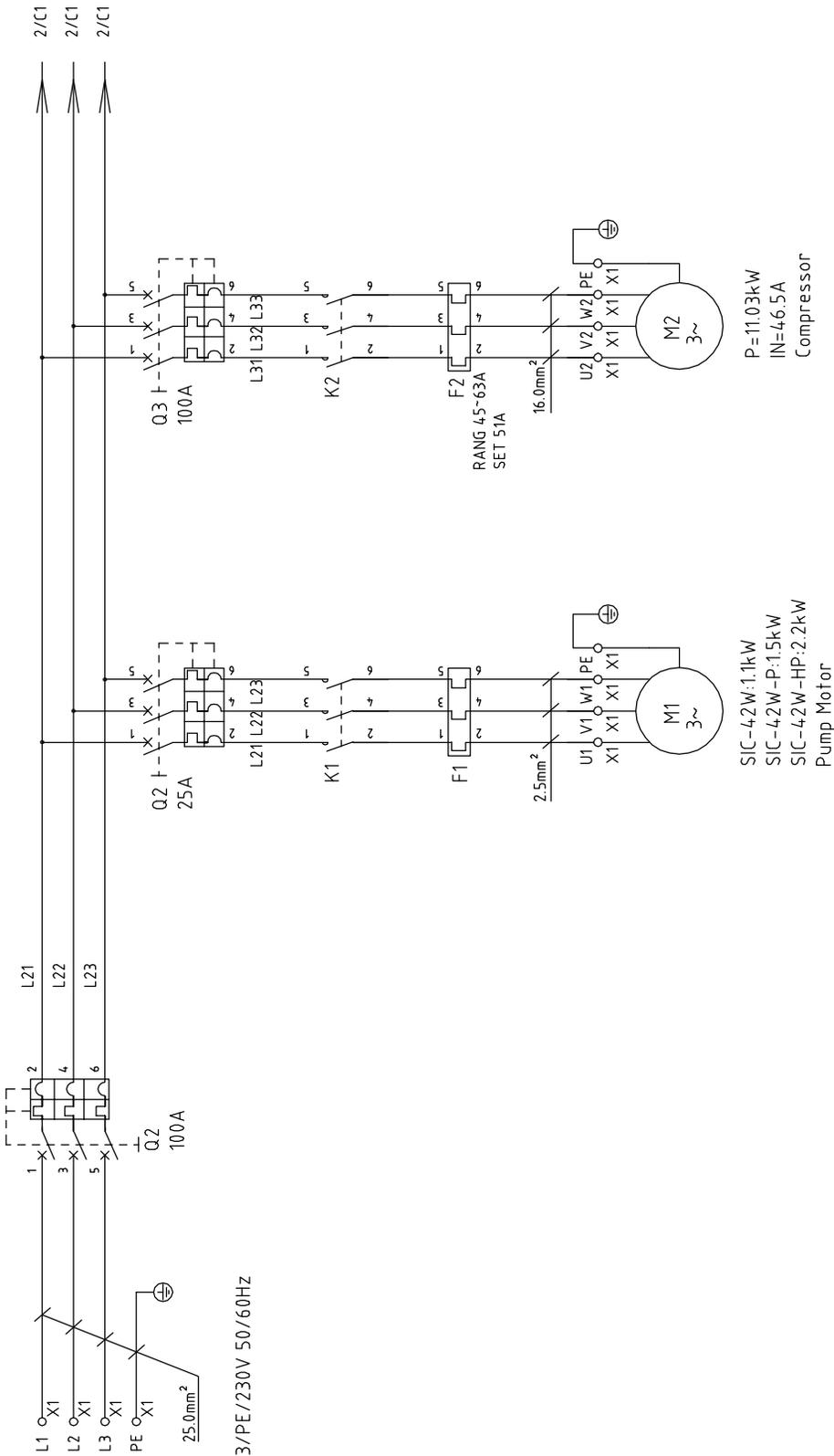


1		2		3		4		5		6		7		8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
26	M1	Pump motor	----	----	230V 50/60Hz	1	As appendix	(1)							
27	M2	Compressor	----	----	230V 50/60Hz 8.82kW	1	----	(1)							
28	EH1	Compressor Crankcase Heater	----	----	230V 50/60Hz 4.5W	1	----	(1)							
A															
B															
C															
D															

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

*Means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

Title		Version		Drawing NO.		Scale		Page	
SIC-33W-R2		0		SIC-33W-R2-CE-230V-0-5		CE		5	
Electrical Components List 2		Approved by				Voltage		230V	
		Date		20120905		Frequency		50/60HZ	
SHINI		信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.		Totally		5	
Mark		Before modification		Modified by		Modified date		Checked by	
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6		7		8		9		10	

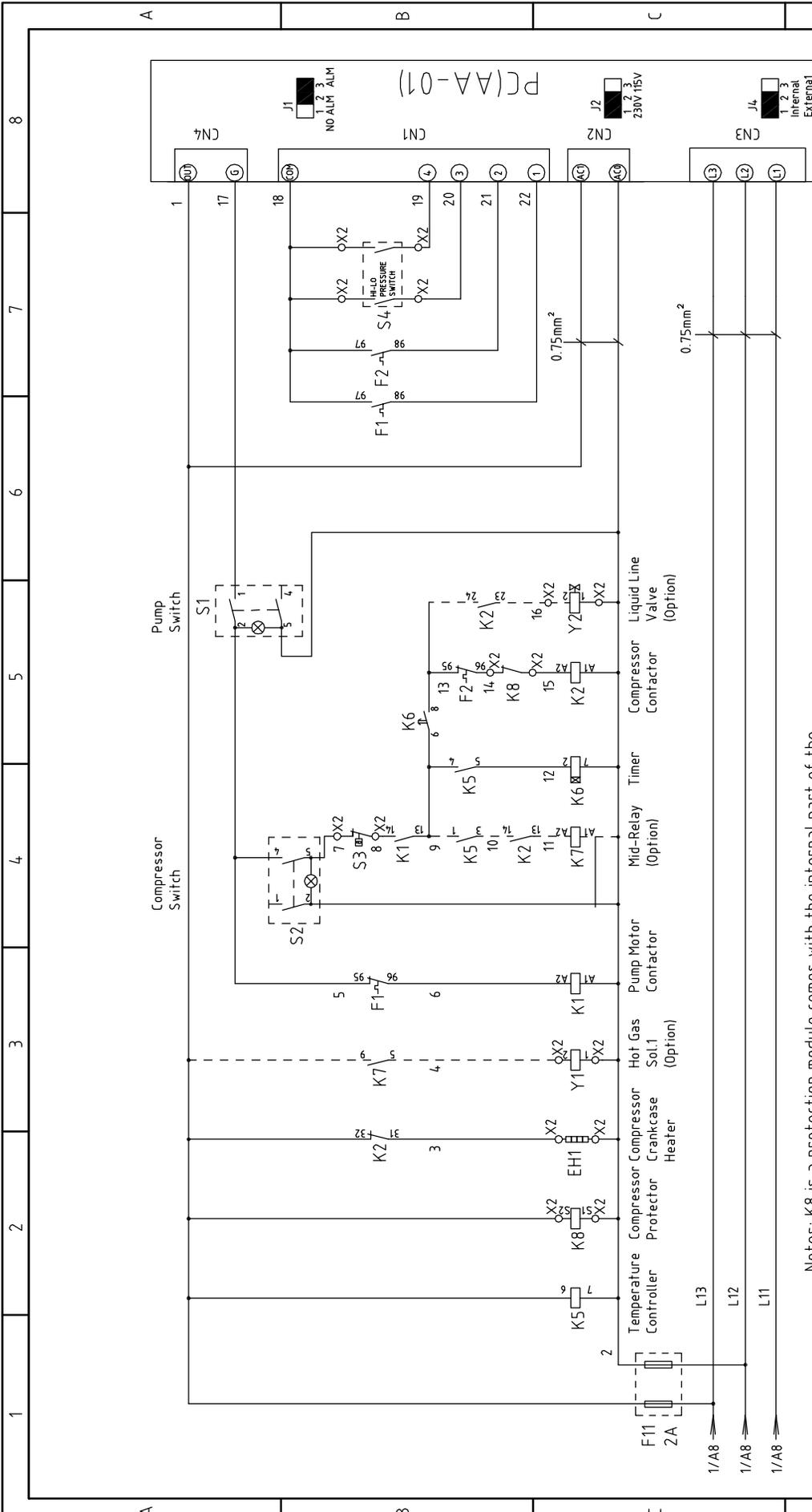


Version	0	Title	SIC-42W-R2	Drawing NO.	SIC-42W-R2-CE-230V-0-1	Scale	CE	Page	1
Approved by		Main Circuit Diagram				Standard		Totally	5
Proofread by								Voltage	230V
Checked by								Frequency	50/60HZ
Modify date		Date	20120905						
Modified by									
After modification									
Before modification									
Mark									



1 2 3 4 5 6 7 8

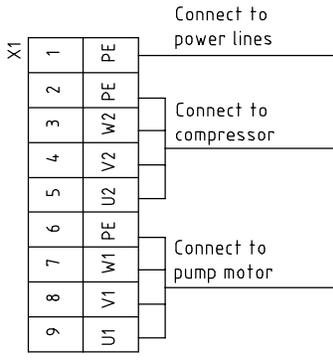
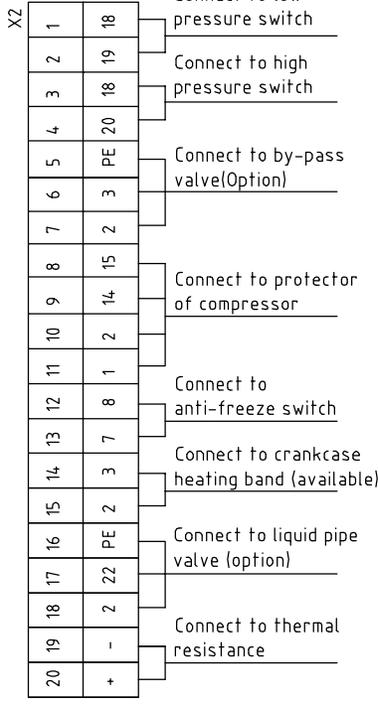
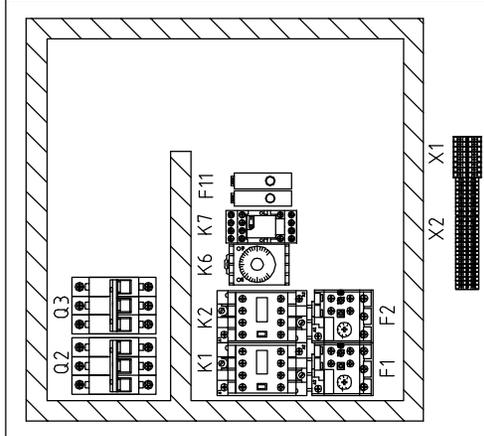
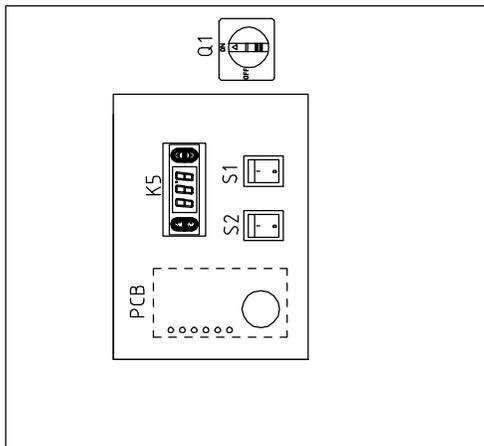
A B C D



Notes: K8 is a protection module comes with the internal part of the compressor. If there is no such module, please connect line14 with line15.

Mark		Before modification	After modification	Modified by	Modify date	Checked by	Date	Approved by	Version	B	Title		SIC-42W-R2		Drawing NO.		SIC-42W-R2-CE-230V-B-2		Scale	Standard	CE	Page	2	
F11 2A												Control Circuit Diagram						Voltage		230V		Totally		5
1/A8												SHINI		信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.		Frequency		50/60HZ		Pages		8

1 2 3 4 5 6 7 8



Note: Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock which not pass by the terminal board.

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-42W-R2-CE-230V-B-3	Scale	Page
									Standard	CE
									Voltage	230V
									Frequency	50/60Hz
1	2	3	4	5	6	7	8			

A A

B B

C C

D D

1	2		3	4	5	6	7	8
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main switch	MOELLER	P1-63/EA/SVB	100A	1	YE10010000000	
2	Q2	Circuit breaker*	CHINT	DZ47-63/3P	25A	1	YE40602500000	
3	Q3	Circuit breaker*	CHINT	DZ158-63/3P	100A	1	YE40100300000	
4	K1	Contact*	SIEMENS	----	230VAC 50/60Hz	1	----	As appendix
5	K2	Contact*	SIEMENS	3RT5044-1AN20	230VAC 50/60Hz	1	YE00504400000	
6		Auxiliary block	SIEMENS	3RH5921-1FA22	2NC+2NO	1	YE00592110100	
7	K5	Temperature controller*	LAE	AC1-5TS2RW-A	115-230VAC	1	YE85120200000	
8	K6	Timer	YUYUN	TH3M-NAB	3S-60M AC220V	1	YE86300300000	
9	K7	Middle realy	WEIDEMILE	DRM270730LT	AC220V	1	YE03270700000	(2)
10	F1	Overload relay*	SIEMENS	----	----	1	----	As appendix
11	F2	Overload relay*	SIEMENS	3RU5146-4JB0	45-63A	1	YE01514640000	
12	F11	Fuse**	YINDA	FS-10	2A	1	YE41001000000	
13	S1 S2	Control switch*	MOLVETNO	T120/55	250V~10(5)A 4P WH	2	YE10210400000	
14	S3	Anti-frozen switch*	----	----	----	1	----	(1)
15	S4	HI-LO pressure switch	----	----	----	1	----	(1)
16	PCB	Control board*	YUYUN	AA-01	230V 50/60Hz	1	YE80000100000	
17	Y1 Y2	Solenoid valve**	----	----	230V 50/60Hz	2	----	(1)(2)
18	X1	Terminal board	----	2.5mm ²	----	3	YE61250040000	
19		Terminal board	----	2.5mm ² PE	----	1	YE61253500000	
20		Terminal board	----	16.0mm ²	----	3	YE61160000000	
21		Terminal board	----	16.0mm ² PE	----	1	YE61163500000	
22		Terminal board	----	35.0mm ² PE	----	1	YE61353500000	
23	X2	Terminal board	----	2.5mm ²	----	14	YE61250040000	
24		Terminal board	----	2.5mm ²	----	4	YE61250040000	(2)
25		Terminal board	----	2.5mm ² PE	----	2	YE61253500000	(2)

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

/* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

D	Drawing NO.	Scale	Page	4
D	Title	Standard	CE	Page
	SIC-42W-R2			4
	Electrical Components List 1			5
	SIC-42W-R2-CE-230V-0-4			5
		Voltage		230V
		Frequency		50/60HZ



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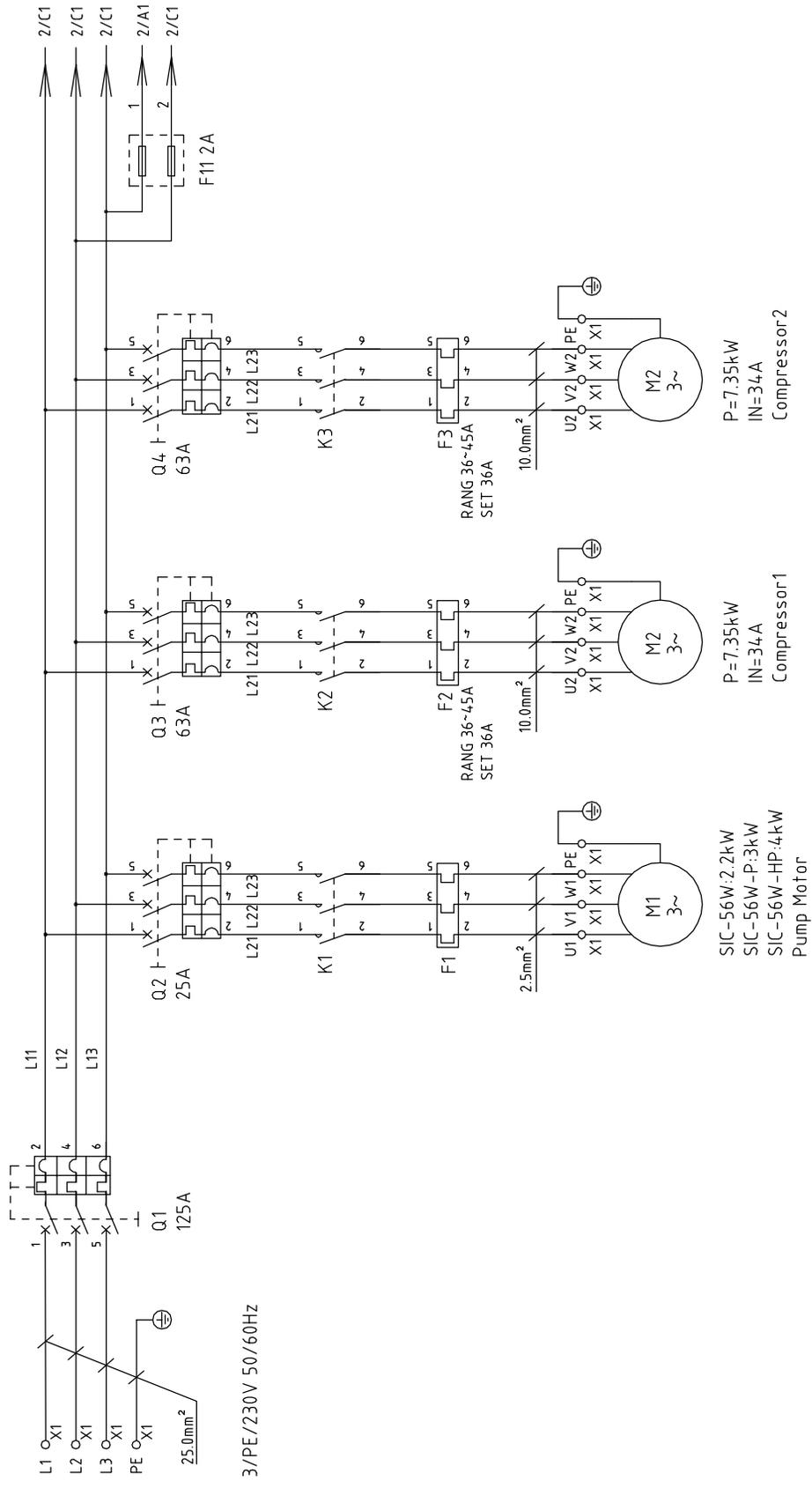
1	2		3	4	5	6	7	8
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
	M1	Pump motor	----	----	230V 50/60Hz	1	As appendix	(1)
	M2	Compressor	----	----	230V 50/60Hz 11.03kW	1	----	(1)
	EH1	Compressor Crankcase Heater	----	----	230V 50/60HZ 4.5W	1	----	(1)
A								
B								
C								
D								

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

*Means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

Title		Version		Drawing NO.		Scale		Page	
SIC-42W-R2		0		SIC-42W-R2-CE-230V-0-5		CE		5	
Electrical Components List 2		Approved by				Standard		Totally 5	
		Date		20120905		Voltage		230V	
Mark		Modified by		Modified date		Frequency		50/60HZ	
1		2		3		4		5	
6		7		8		9		10	





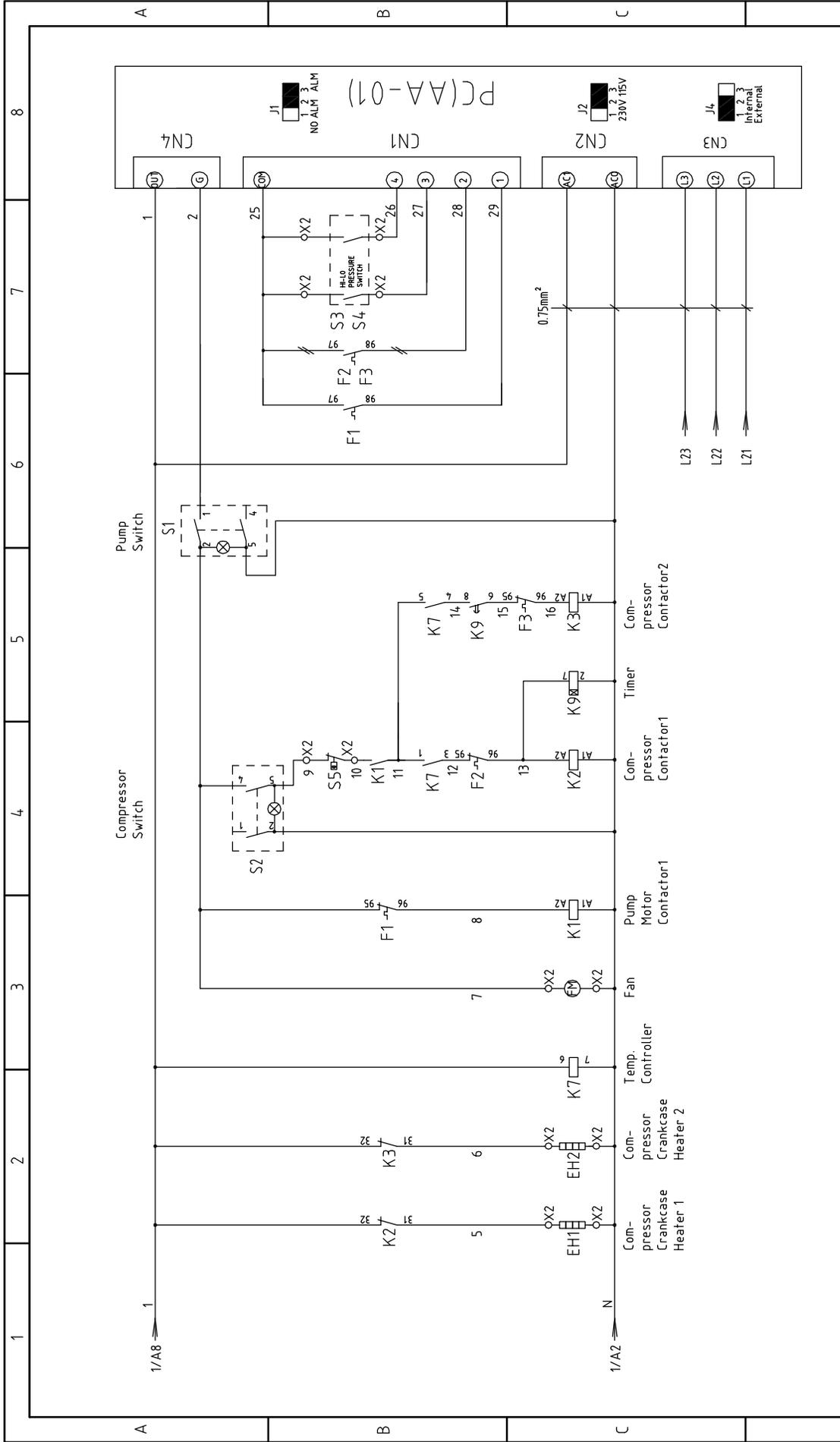
1 2 3 4 5 6 7 8

A B C D

Mark	Before modification	After modification	Modified by	Modify date	Date	2014.0730	Approved by	Version	B	Title	Drawing NO.		Page 1
	Modified by	Modify date	SIC-56W-R2-CE-230V-B-1								Standard	CE	
											Voltage	230V	
											Frequency	50/60Hz	



1 2 3 4 5 6 7 8



Mark		Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	C	Title SIC-56W/66W/84W-R2 Control Circuit Diagram(No Option)		Drawing NO. SIC-56W/66W/84W-R2-CE-230V-C-2		Scale	Standard	CE	Page	3	Totally	6	Pages
Voltage		230V										SHINI		信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		Frequency		230V		50Hz.	

1		2		3		4		5		6		7		8	
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
1	Q1	Circuit breaker	ABB	A1A125TMF125	125A	1	YE411614-00000								
2	Q2	Circuit breaker*	TECO	BM-63C/3025S	25A	1	YE40302503000								
3	Q3 Q4	Circuit breaker*	TECO	BM-63C/3063S	63A	2	YE40306303000								
4	K1	Contactor*	SIEMENS	----	230VAC 50/60Hz	1	----	As appendix							
5	K2 K3	Contactor*	SIEMENS	3RT5035-1AN20	230VAC 50/60Hz	2	YE00503500000								
6		Auxiliary block	SIEMENS	3RH5921-1FA22	2NC+2NO	2	YE00592110100								
7	K7	Temperature controller*	LAE	AC1-5TS2RW-A	115~230VAC	1	YE85120200000								
8	K9 K10	Timer	YUYUN	TH3M-NAB	3S--60M AC220V	1	YE86300300000								
9	K8 K11	Middle realy	WEIDEMILE	DRM270730LT	AC220V	2	YE03270700000	(2)							
10	F1	Overload relay*	SIEMENS	----	----	1	----	As appendix							
11	F2 F3	Overload relay*	SIEMENS	3RU5136-4GB0	36-45A	2	YE01612660000								
12	F11	Fuse**	YINDA	FS-10	2A	2	YE41001000000								
13	S1 S2	Control switch*	MOLVETNO	T120/55	250V~10(5)A 4P WH	2	YE10210400000								
14	S5	Anti-frozen switch*	----	----	----	1	----	(1)							
15	S3 S4	HI-LO pressure switch	----	----	----	1	----	(1)							
16	PCB	Control board*	YUYUN	AA-01	230V 50/60Hz	1	YE80000100000								
17	Y1 Y2 Y3 Y4	Solenoid valve**	----	----	230V 50/60Hz	4	----	(1)(2)							
18	X1	Terminal board	----	2.5mm ²	----	3	YE61250040000								
19		Terminal board	----	2.5mm ² PE	----	1	YE61253500000								
20		Terminal board	----	10.0mm ²	----	6	YE61100000000								
21		Terminal board	----	10.0mm ² PE	----	2	YE61103500000								
22		Terminal board	----	35mm ² PE	----	1	YE61353500000								
23	X2	Terminal board	----	2.5mm ²	----	18	YE61250040000								
24		Terminal Board	----	2.5mm ²	----	8	YE61250040000	(2)							
25		Terminal Board	----	2.5mm ² PE	----	4	YE61253500000	(2)							
Notes: (1)Means it's not the material inside the control box. (2)Means optional item. /* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.															
				Title		SIC-56W-R2		Scale		Page		5		8	
				Version		B		Standard		CE		Totally		6 Pages	
				Designer		Approved by		SIC-56W-R2-CE-230V-B-4		Voltage		230V			
				Proofread by		Date		Electrical Components List 1		Frequency		50/60HZ			
Mark				Before modification		Modify date		2014.0730							
1				2		3		4		5		6		7	



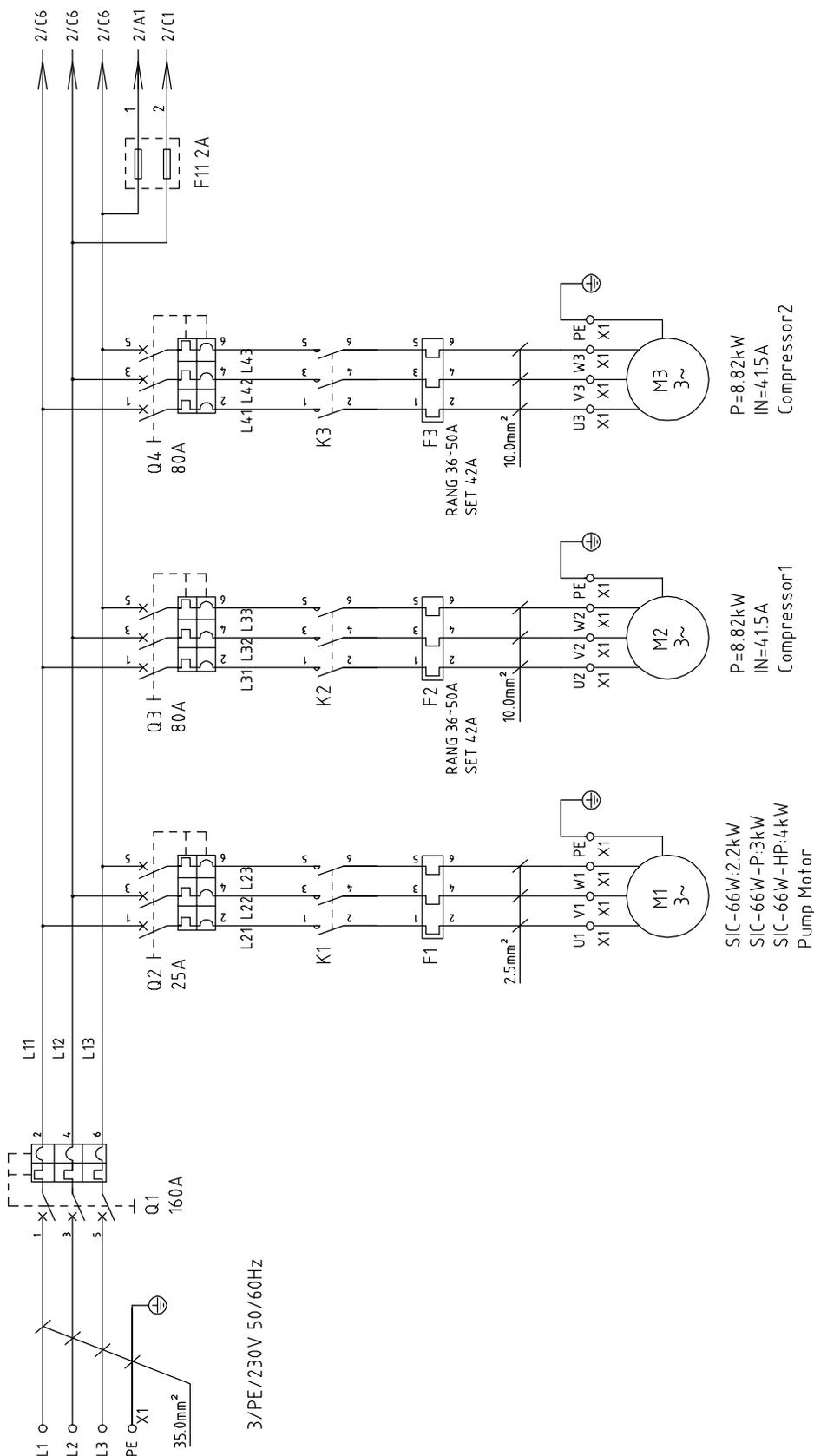
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Shini Plastics Technologies, Inc.

1	2		3	4	5	6	7	8
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26	M1	Pump motor	----	----	230V 50/60Hz	1	As appendix	(1)
27	M2	Compressor	----	----	230V 50/60Hz 7.35kW	2	----	(1)
28	EH1	Compressor Crankcase Heater	----	----	230V 50/60HZ 4.5W	1	----	(1)
29	FM	Fan	----	----	230V 50/60Hz	1	----	(2)
A								
B								
C								
D								

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

★Means possible broken parts. ★★ means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

Title		SIC-56W-R2		Drawing NO.		SIC-56W-R2-CE-230V-B-5		Scale		Page 6	
Electrical Components List 2		Version B		Approved by		Standard CE		Voltage		Totally 6 Pages	
SHINI		Date 2014.07.30		Checked by		Frequency		230V		50/60HZ	
信易電熱機械股份有限公司		2014.07.30		Modified by		5		6		7	
Shini Plastics Technologies, Inc.		2014.07.30		Modify date		3		4		8	



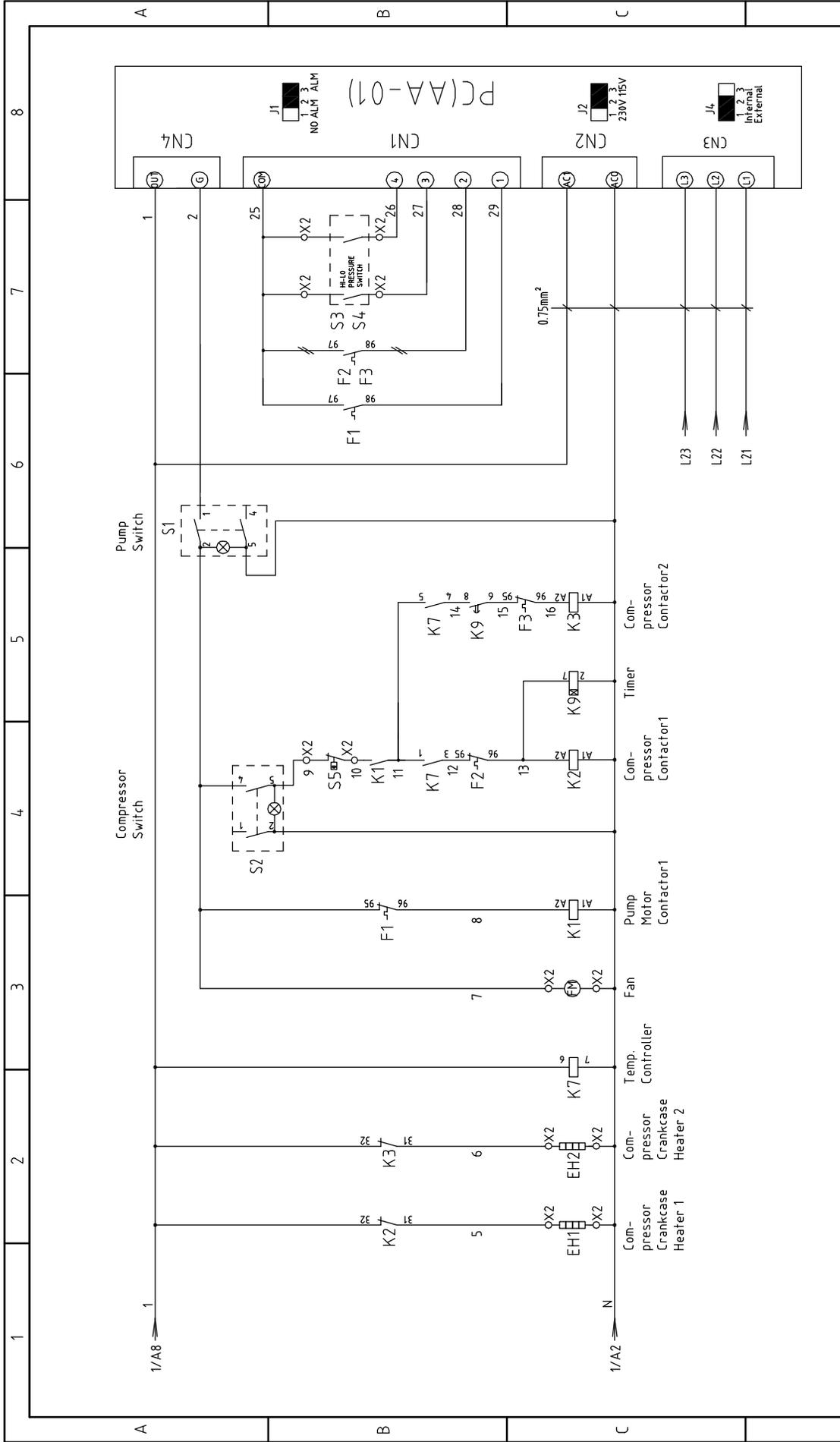
SIC-66W:2.2kW
 SIC-66W-P:3kW
 SIC-66W-HP:4kW
 Pump Motor
 P=8.82kW
 IN=4.15A
 Compressor1
 P=8.82kW
 IN=4.15A
 Compressor2

Mark	Before modification	After modification	Modified by	Modify date	Date	2014.0730	Approved by	Version	B	Title	SIC-66W-R2		Drawing NO.	SIC-66W-R2-CE-230V-B-1		Standard	CE	Page	1
	Totally	6	Pages	6															
													Voltage		230V				
													Frequency		50/60Hz				



1 2 3 4 5 6 7 8

A B C D



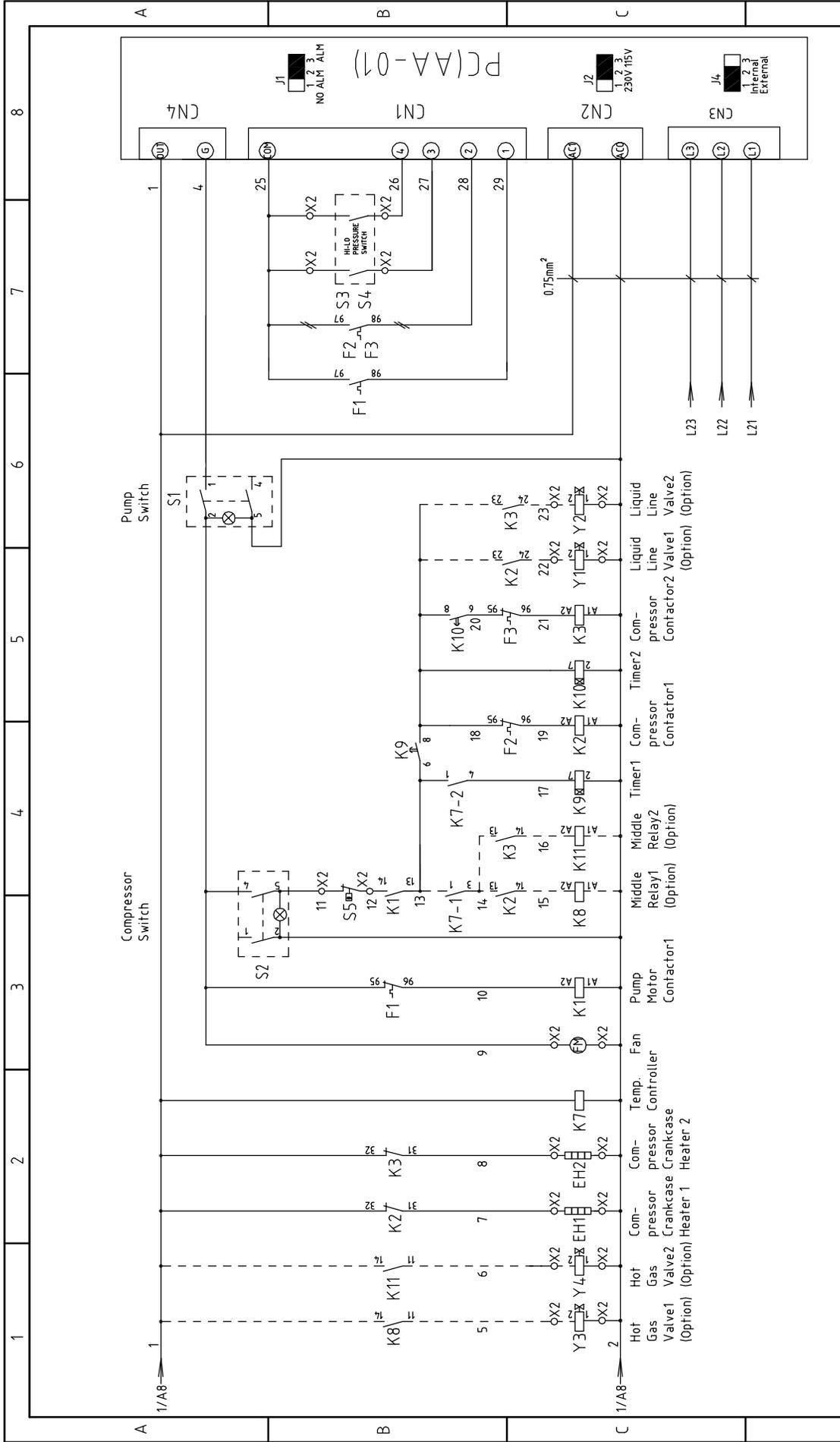
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Mark		Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	C	Title		SIC-56W/66W/84W-R2-CE-230V-C-2		Drawing NO.		SIC-56W/66W/84W-R2-CE-230V-C-2		Scale		Standard		CE		Page		3			
Voltage		230V		Frequency		50Hz		SHINI		信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.		SHINI		信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.		Voltage		Frequency		230V		50Hz		Totally		6	

1	2	3	4	5	6	7	8	
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26	M1	Pump	----	----	230V 50/60Hz	1	As appendix	(1)
27	M2 M3	Compressor	----	----	230V 50/60Hz 8.82kW	2	----	(1)
28	EH1 EH2	Crankcase heater	----	----	230V 50/60Hz	2	----	(1)
29	FM	Fan	----	----	230V 50/60Hz	1	----	(2)
A								
B								
C								
D								

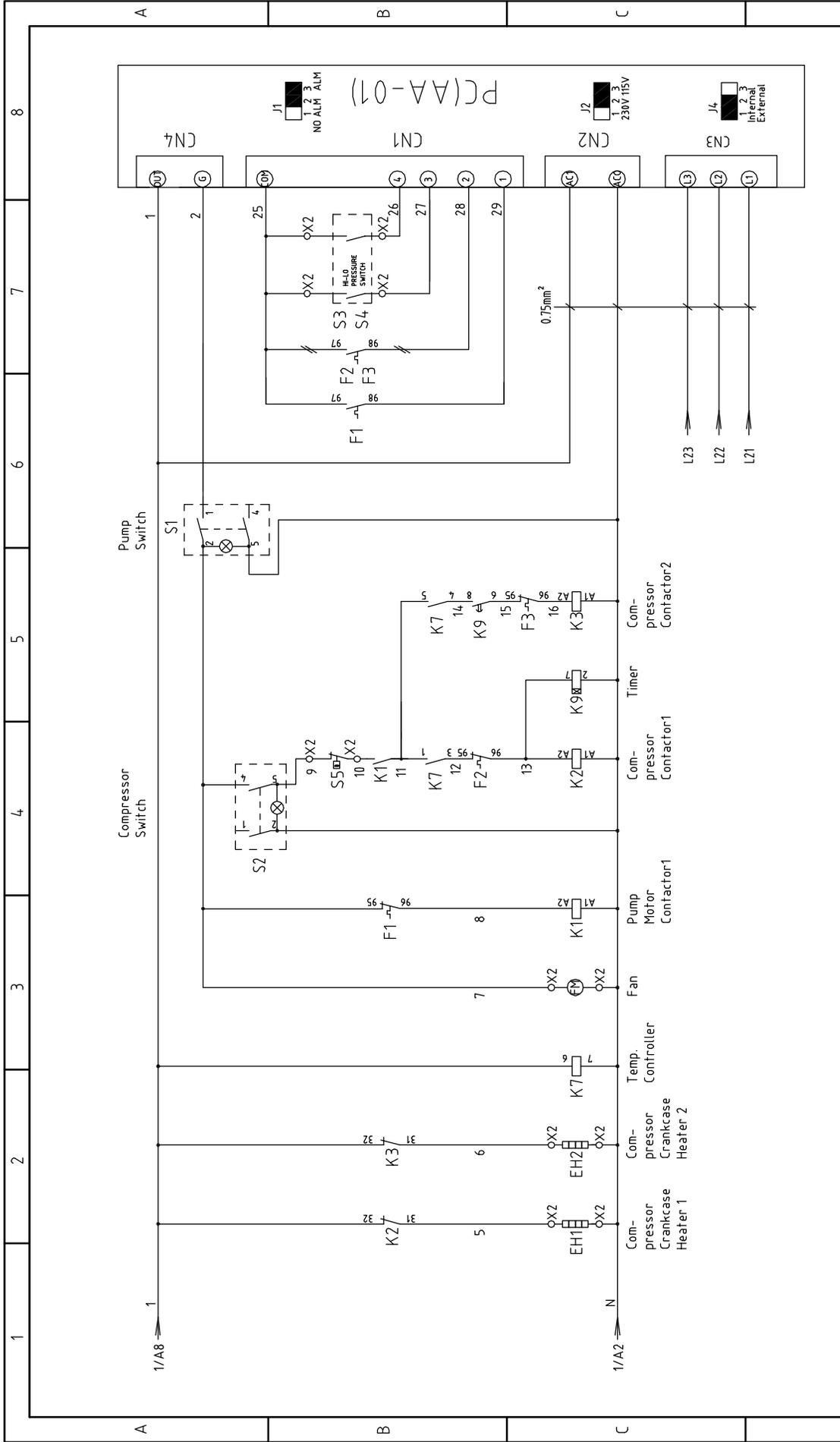
Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

★Means possible broken parts. ★★ means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

Title		SIC-66W-R2		Drawing NO.		SIC-66W-R2-CE-230V-B-5		Scale		Page 6	
Electrical Components List 2		B		Approved by		CE		Standard		Totally 6 Pages	
SHINI		SHINI		SHINI		SHINI		SHINI		SHINI	
信易電熱機械股份有限公司		信易電熱機械股份有限公司		信易電熱機械股份有限公司		信易電熱機械股份有限公司		信易電熱機械股份有限公司		信易電熱機械股份有限公司	
Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.	
Mark		Before modification		After modification		Modified by		Modify date		Date	
										2014.07.30	
										Voltage 230V	
										Frequency 50/60HZ	
1	2	3	4	5	6	7	8	9	10	11	12



1		2		3		4		5		6		7		8	
<p>Scale: Standard CE</p> <p>Page 2</p> <p>Totally 6 Pages</p> <p>Voltage: 230V</p> <p>Frequency: 50/60HZ</p>															
<p>Mark</p> <p>Before modification</p> <p>After modification</p> <p>Modified by</p> <p>Modify date</p> <p>Checked by</p> <p>Date: 2014.07.30</p> <p>Proofread by</p> <p>Designer</p> <p>Drawer</p>															
<p>Version: B</p> <p>Approved by</p>															
<p>Title: SIC-84W-R2</p> <p>Control Circuit Diagram</p>															
<p>Drawing NO: SIC-84W-R2-CE-230V-B-2</p>															
<p>SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.</p>															



Scale		Page 3	
Standard		Totally 6 Pages	
Voltage		230V	
Frequency		50Hz	
Drawing NO. SIC-56W/66W/84W-R2-CE-230V-C-2			
Control Circuit Diagram (No Option)			
Title		SIC-56W/66W/84W-R2	
Version		C	
Approved by		Date 2014.07.30	
Designer		Checked by	
Proofread by		Modify date	
Mark		After modification	
Before modification		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	M1	Pump	----	----	230V 50/60Hz	1	As appendix	(1)
27	M2 M3	Compressor	----	----	230V 50/60Hz 11.3kW	2	----	(1)
28	EH1 EH2	Crankcase heater	----	----	230V 50/60Hz	2	----	(1)
29	FM	Fan	----	----	230V 50/60Hz	1	----	(2)
A								
B								
C								

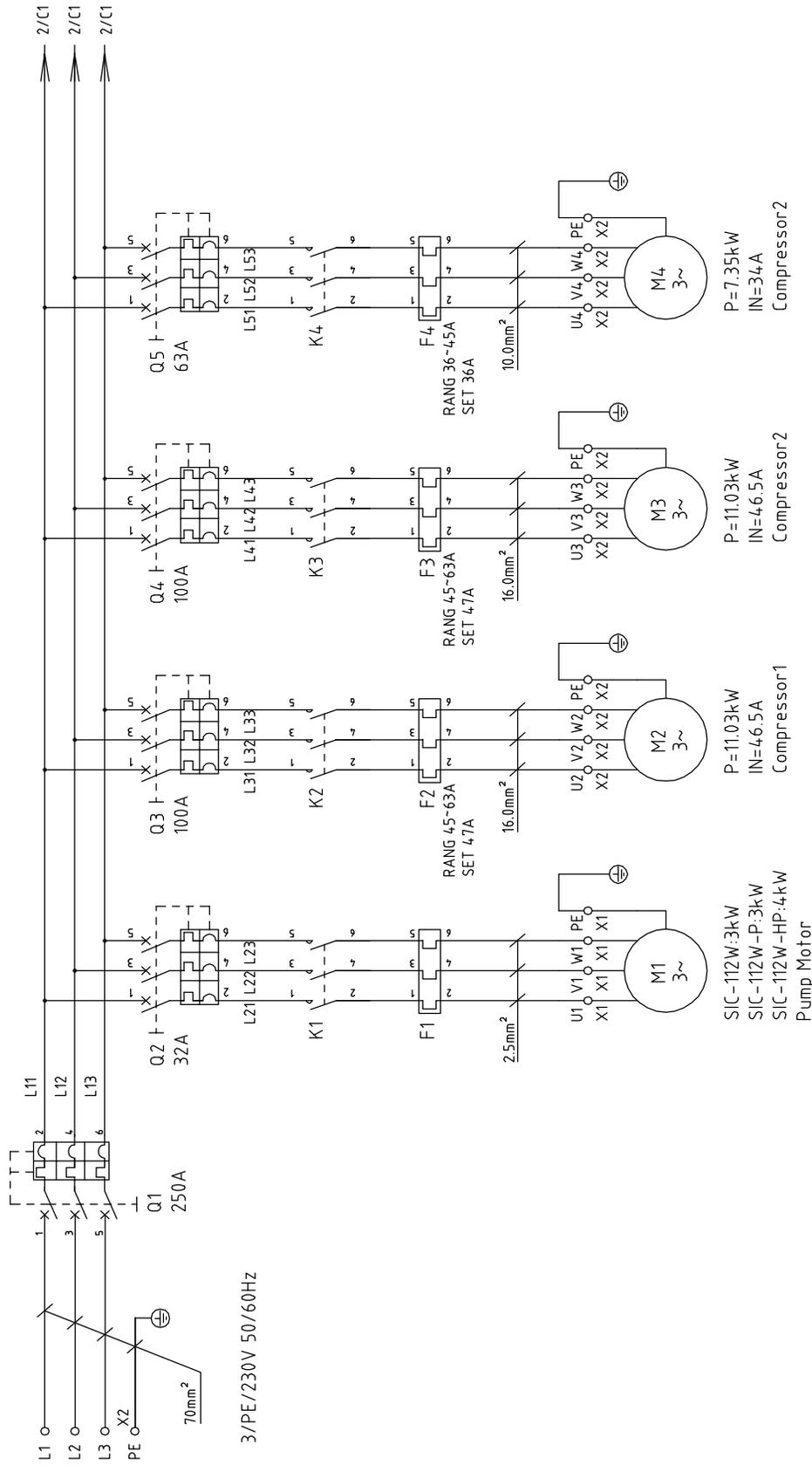
Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

★Means possible broken parts. ★★ means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

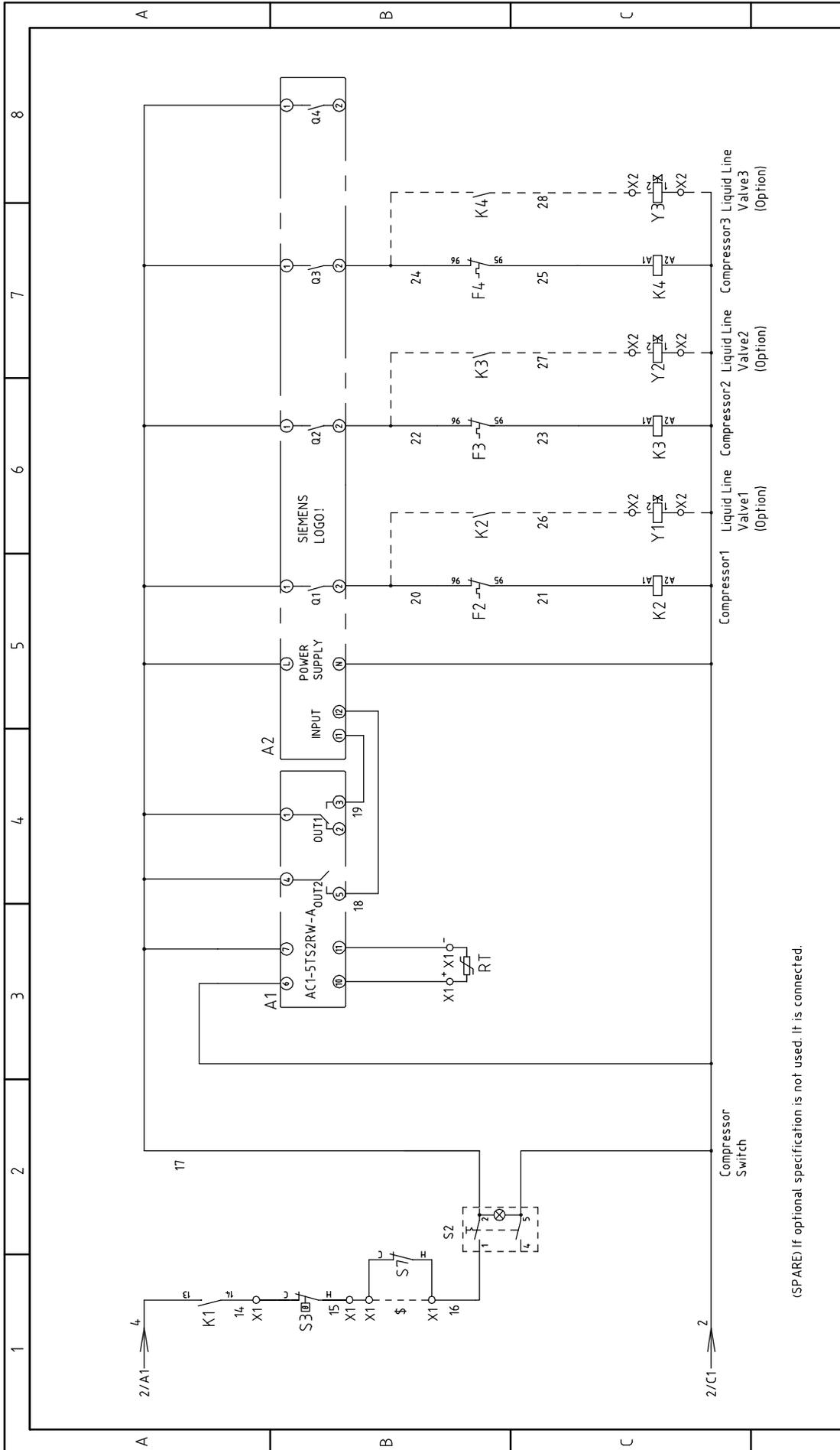
D		Drawing NO.		SIC-84W-R2		Scale		Page 6	
		Version 0		Electrical Components List 2		Standard CE		Totally 6 Pages	
		Designer		Approved by		Voltage		230V	
		Proofread by		Date 20120912		Frequency		50/60HZ	
Mark		Before modification		Modified by		Modified date		Checked by	
1	2	3	4	5	6	7	8		



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Shini Plastics Technologies, Inc.



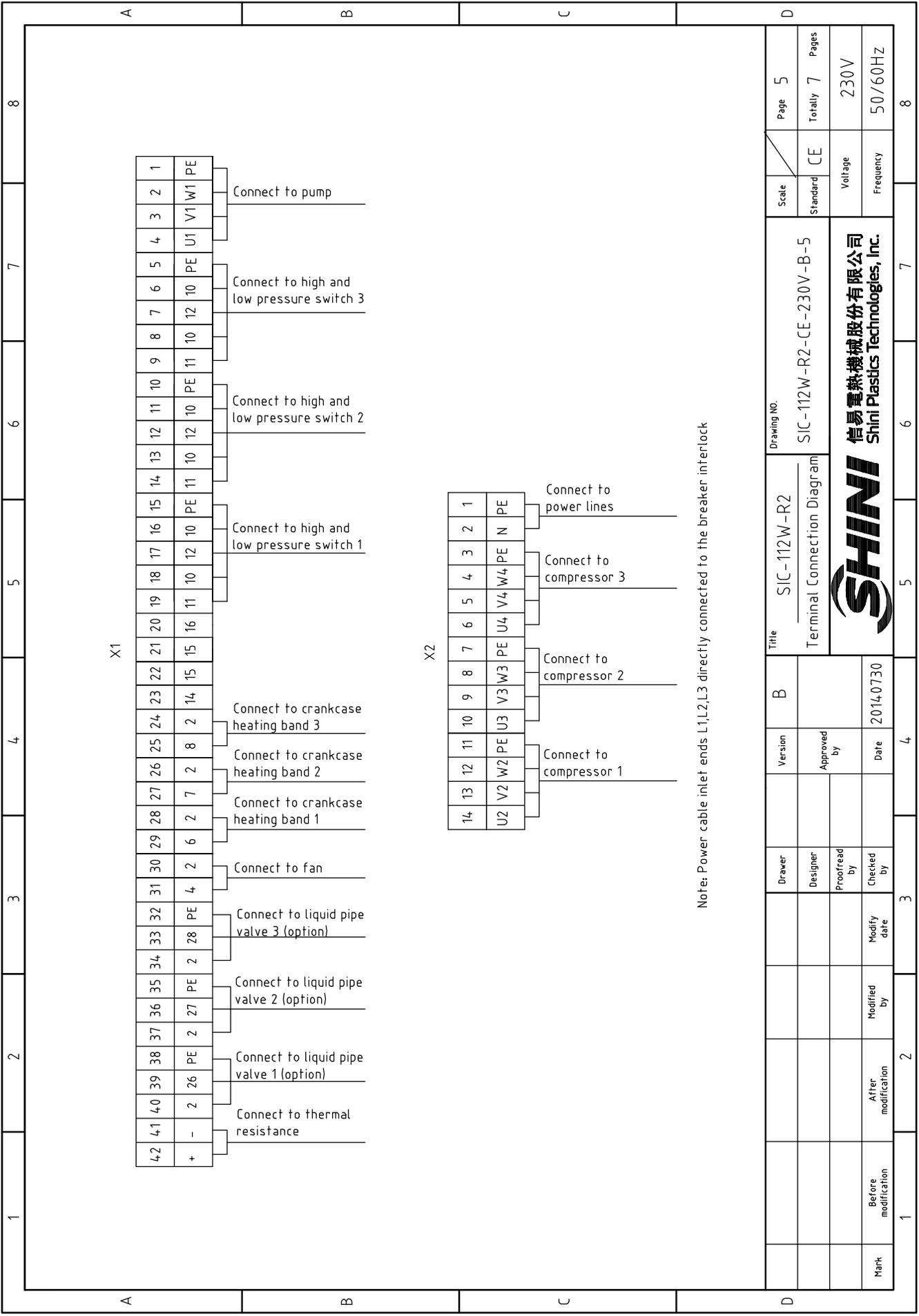
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	2014.0730	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Drawing NO. SIC-112W-R2-GB-230V-B-1	Standard CE	Voltage 230V	Frequency 50/60Hz	Page	1
	Modified by	Checked by	Date	Approved by	Version	Title	SIC-112W-R2 Main Circuit Diagram						Standard	CE
													Scale	
													Standard	CE
													Voltage	230V
													Frequency	50/60Hz
													Page	1
													Totally	7
													Pages	7



(SPARE) If optional specification is not used. It is connected.

Drawing NO.		SIC-112W-R2		Page 3	
Title		Control Circuit Diagram 2		Standard CE	
Version		B		Totally 7 Pages	
Designer		Approved by		Voltage 230V	
Proofread by		Date 2014.0730		Frequency 50/60Hz	
Checked by		Modified by		Mark	
Modify date		After modification		Before modification	
1		2		3	
4		5		6	
7		8		9	





X1

42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
+	-	2	26	PE	2	27	PE	2	28	PE	4	2	6	2	7	2	8	2	14	15	15	16	11	10	12	10	12	10	11	10	12	10	11	10	12	10	PE	U1	V1	W1	PE
		Connect to thermal resistance		Connect to liquid pipe valve 1 (option)		Connect to liquid pipe valve 2 (option)		Connect to liquid pipe valve 3 (option)		Connect to fan		Connect to crankcase heating band 1		Connect to crankcase heating band 2		Connect to crankcase heating band 3				Connect to high and low pressure switch 1				Connect to high and low pressure switch 2				Connect to high and low pressure switch 3				Connect to pump									

X2

14	13	12	11	10	9	8	7	6	5	4	3	2	1
U2	V2	W2	PE	U3	V3	W3	PE	U4	V4	W4	PE	N	PE
		Connect to compressor 1		Connect to compressor 2		Connect to compressor 3		Connect to power lines					

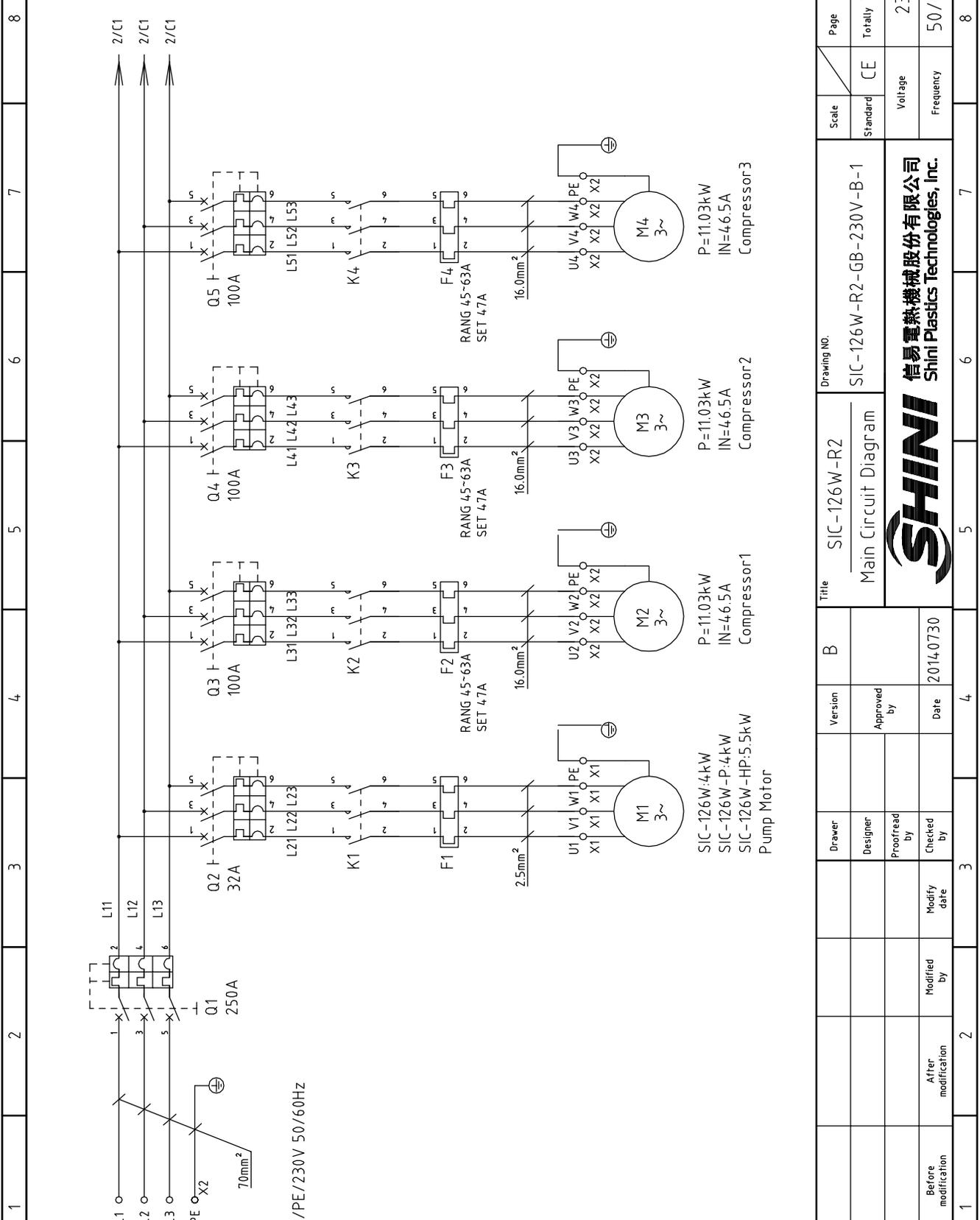
Note: Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	B	Title	SIC-112W-R2	Terminal Connection Diagram	Drawing NO.	SIC-112W-R2-CE-230V-B-5	Scale	Page
							Standard	CE								Totally	7
																Voltage	230V
																Frequency	50/60HZ
1	2	3	4	5	6	7	8										



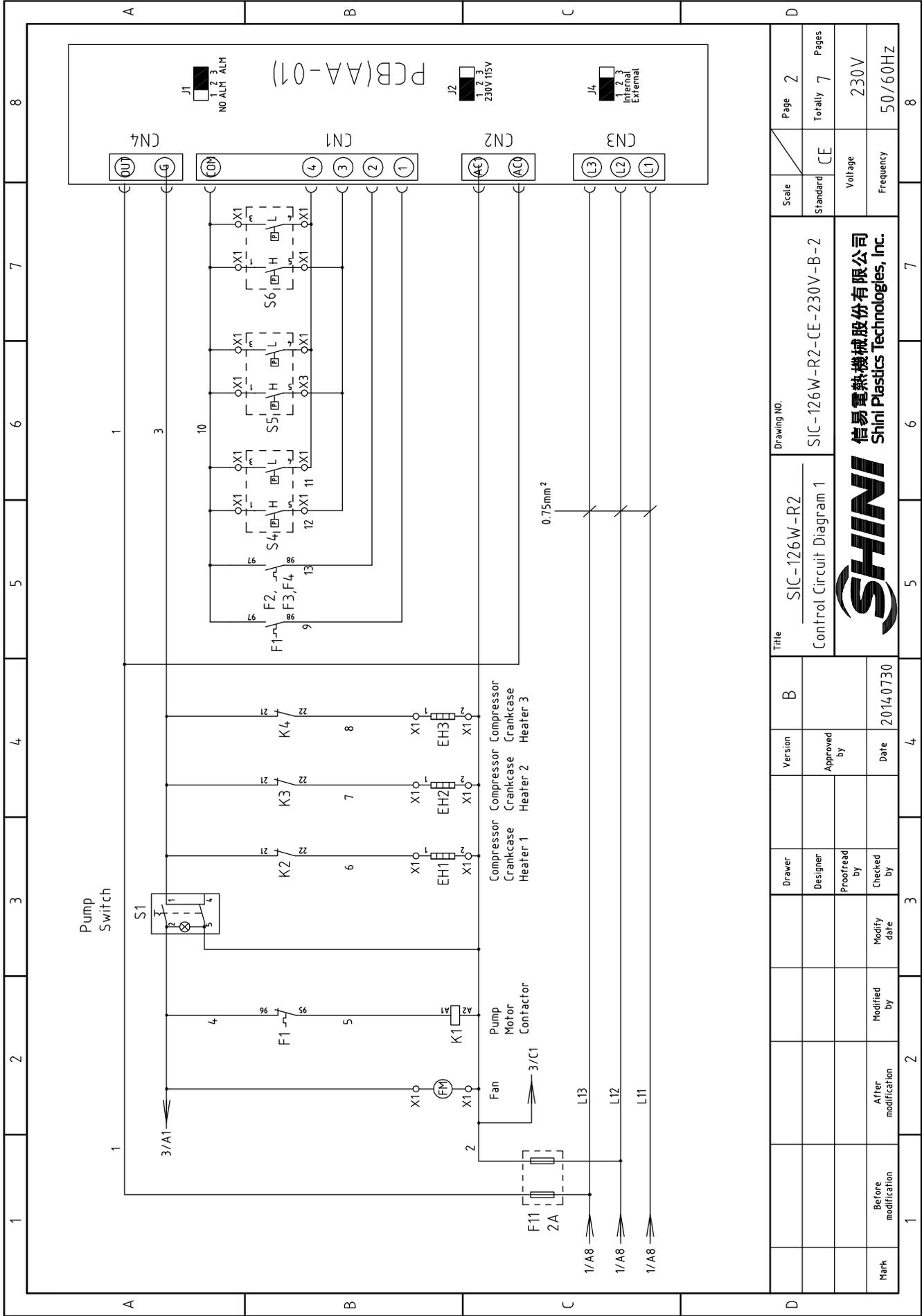
1	2		3	4	5	6	7	8
No.	Symbol	Name	制造商/Manufacturer	型号/Type	规格/Specification	数量/Number	物料编号/Material number	备注/Remark
1	Q1	Main switch	ABB	A2B250TMF250	250A	1	YE41252800000	
2	Q2	Circuit breaker*	TECO	BM-63C/3032S	32A	1	YE40303203000	
3	Q3 Q4	Circuit breaker*	CHINT	DZ158-100/3P	100A	2	YE40100300000	
4	Q5	Circuit breaker*	TECO	BM-63C/3063S	63A	1	YE40306303000	
5	K1	Contactor*	SIEMENS	-----	230VAC 50/60Hz	1	-----	As appendix
6	K2 K3	Contactor*	SIEMENS	3RT5044-1AN20	230VAC 50/60Hz	2	YE00504400000	
7	K4	Contactor*	SIEMENS	3RT5035-1AN20	230VAC 50/60Hz	1	YE00503500000	
8		Auxiliary block	SIEMENS	3RH5921-1FA22	2NC+2NO	3	YE00592110100	
9	A1	Temperature controller*	LAE	AC1-5T52RW-A	115-230VAC	1	YE85120200000	
10	A2	LOGO! controller	SIEMENS	LOGO! 230RCO	AC115-230V No display	1	YE81023000000	
11	RT	Temperature sensor*	LAE	---	---	1	----	
12	F1	Overload relay*	SIEMENS	-----	-----	1	----	As appendix
13	F2 F3	Overload relay*	SIEMENS	3RU5146-4JB0	45-63A	2	YE01514640000	
14	F4	Overload relay*	SIEMENS	3RU5136-4GB0	36-45A	1	YE01612660000	
15	F11	Fuse**	YINDA	FS-10	2A	1	YE41001000000	
16	S1 S2	Control switch*	MOLVETNO	T120/55	250V~10(5)A 4P WH	2	YE10210400000	
17	S3	Anti-frozen switch*	----	----	----	1	----	(1)
18	S4 S5 S6	HI-LO pressure switch	FENSHEN	P830HLM	Hi-5-30bar L:-0.7-6bar	1	YE90083000100	
19	PCB	Control board*	YUYUN	AA-01	230V 50/60Hz	1	YE80000100000	
20	Y1 Y2 Y3	Solenoid Valve**	----	----	230VAC 50/60Hz	3	----	(1) (2)
21	X1	Terminal board	----	2.5mm ²	----	39	YE61250040000	
22		Terminal board	----	2.5mm ² PE	----	4	YE61253500000	
23		Terminal board	----	2.5mm ²	----	6	YE61250040000	(2)
24		Terminal board	----	2.5mm ² PE	----	3	YE61253500000	(2)
25	X2	Terminal board	----	10.0mm ²	----	3	YE61100000000	

Notes: (1)Means it's not the material inside the control box. (2)Means optional item. /* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.										
Title			SIC-112W-R2			Drawing NO.			Scale	Page 6
Electrical Components List 1			SIC-112W-R2-GB-230V-B-6			Standard			CE	Totally 7 Pages
 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.			Voltage			Frequency			230V	50/60HZ
			Voltage			Frequency			230V	50/60HZ



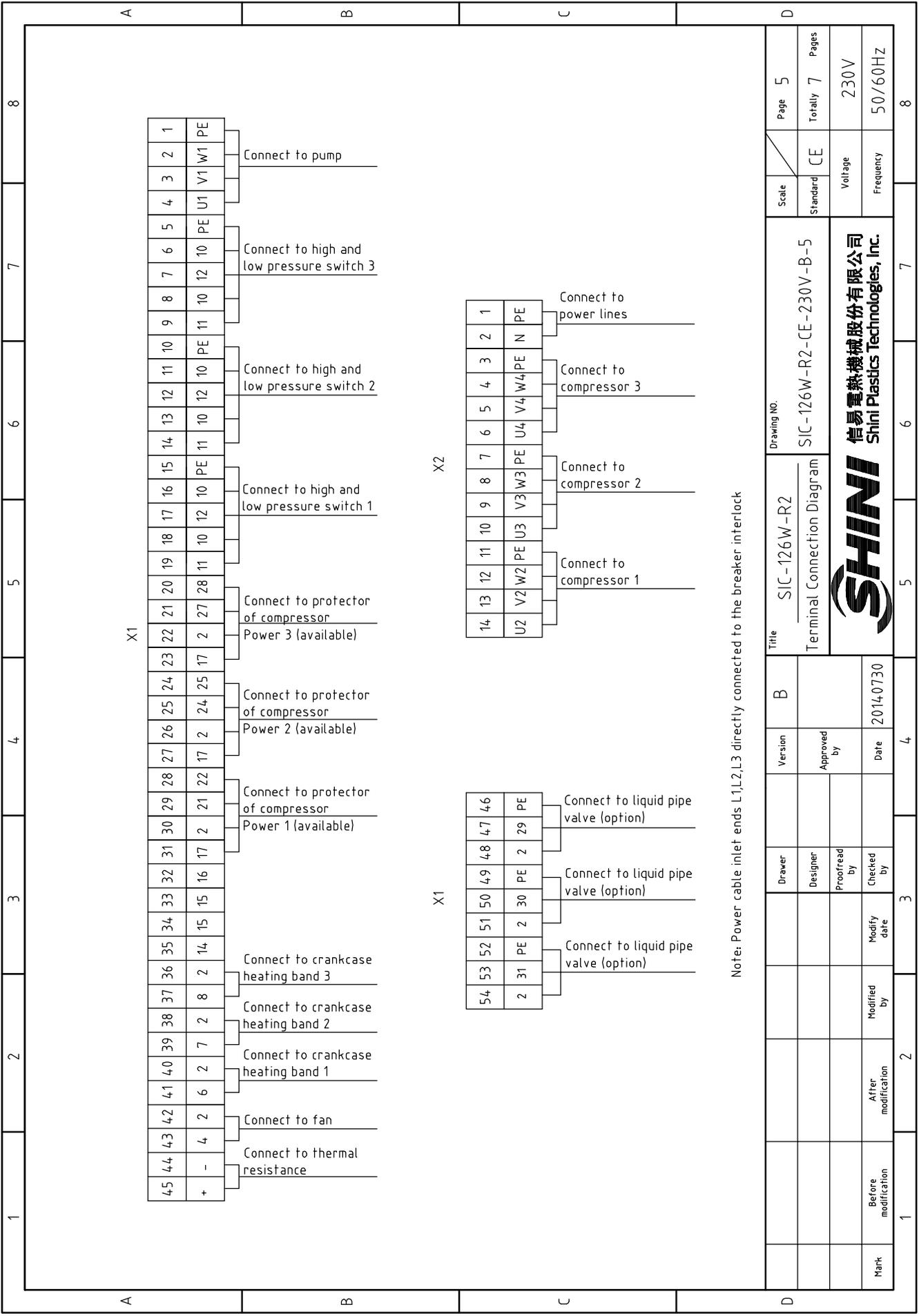
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Proofread by							
Designer							
Drawer							
Version		B					
Title		SIC-126W-R2					
Drawing NO.		SIC-126W-R2-GB-230V-B-1					
Standard		CE					
Scale		Voltage					
Page 1		230V					
Totally 7		Frequency					
Pages		50/60HZ					





Drawing NO.		SIC-126W-R2		Page 2	
Title		Control Circuit Diagram 1		Standard CE	
Version		B		Voltage 230V	
Approved by				Frequency 50/60HZ	
Proofread by				Totally 7 Pages	
Checked by		2014.0730		Date	
Modified by				Date	
After modification				Date	
Before modification				Date	
Mark				Date	





Note: Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock

Mark		Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	B	Title		SIC-126W-R2		Drawing NO.		SIC-126W-R2-CE-230V-B-5		Scale	Page	5	
					2014.07.30								Terminal Connection Diagram						Standard	CE	Totally	7	Pages
													Voltage		230V								
													Frequency		50/60HZ								

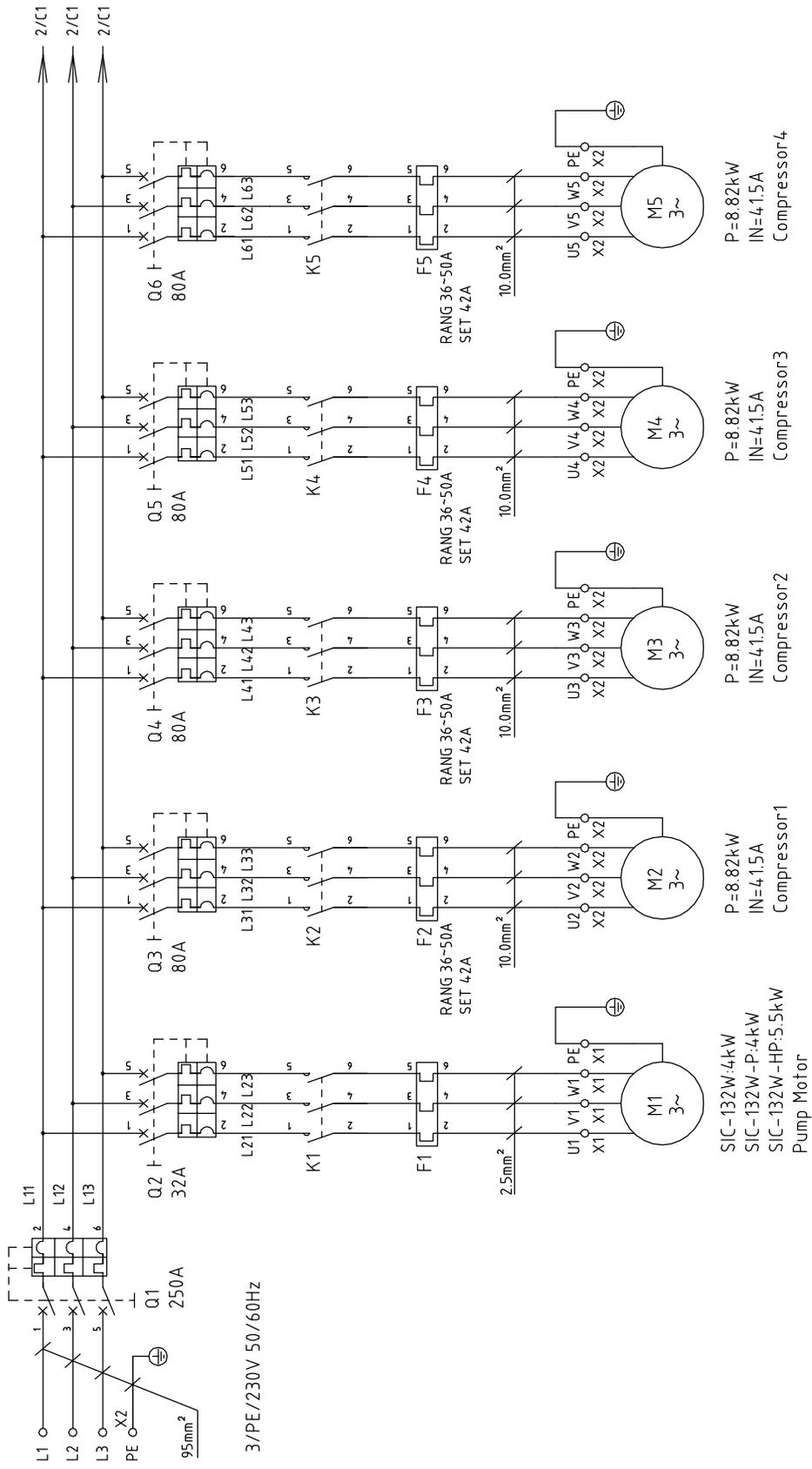


1	2		3	4	5	6	7	8
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
26	M2 M3 M4	Compressor	----	----	230V 50/60Hz 11.3kW	3	----	(1)
27	EH1 EH2 EH3	Crankcase heater	----	----	230V 50/60Hz 45W	3	----	(1)
28	FM	Fan	----	----	230V 50/60Hz	1	----	(1)
A								
B								
C								
D								

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

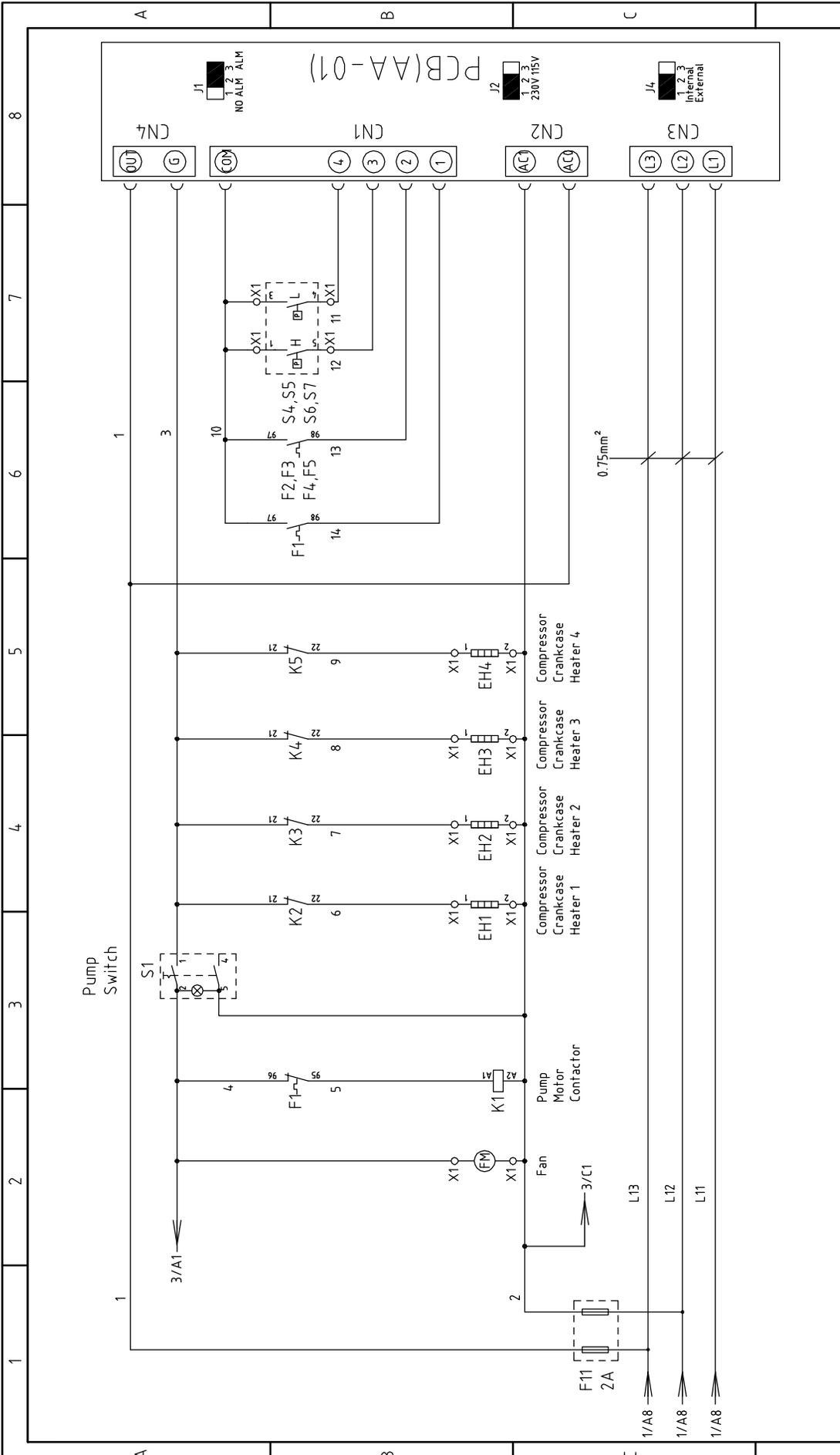
*Means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

Title		SIC-126W-R2		Drawing NO.		SIC-126W-R2-GB-230V-B-7		Scale		Page 7	
Electrical Components List 2		Version B		Approved by		CE		Standard		Totally 7 Pages	
SHINI		SHINI		SHINI		SHINI		Voltage		230V	
信易電熱機械股份有限公司		信易電熱機械股份有限公司		信易電熱機械股份有限公司		信易電熱機械股份有限公司		Frequency		50/60HZ	
Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.		Shini Plastics Technologies, Inc.		Frequency		50/60HZ	
Mark		Before modification		Modified by		Modify date		Date		2014.07.30	
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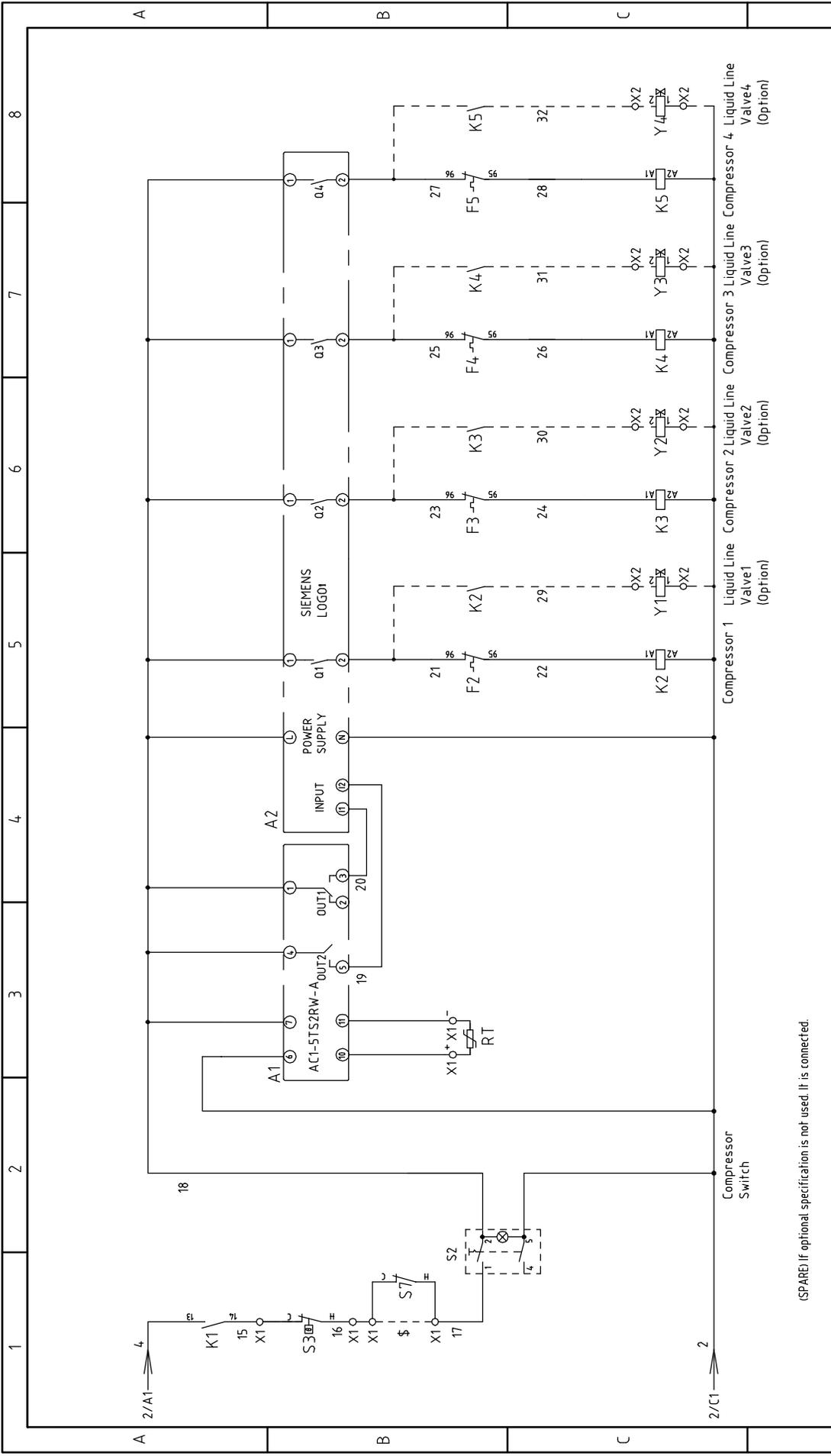


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	2014.07.30	Date	Approved by						SIC-132W-R2		Main Circuit Diagram		Scale	CE	Standard	Page	1	
Modified by	2	3	4	5	6	7	8	Frequency	50/60HZ	Voltage	230V	Totally	7	Pages				



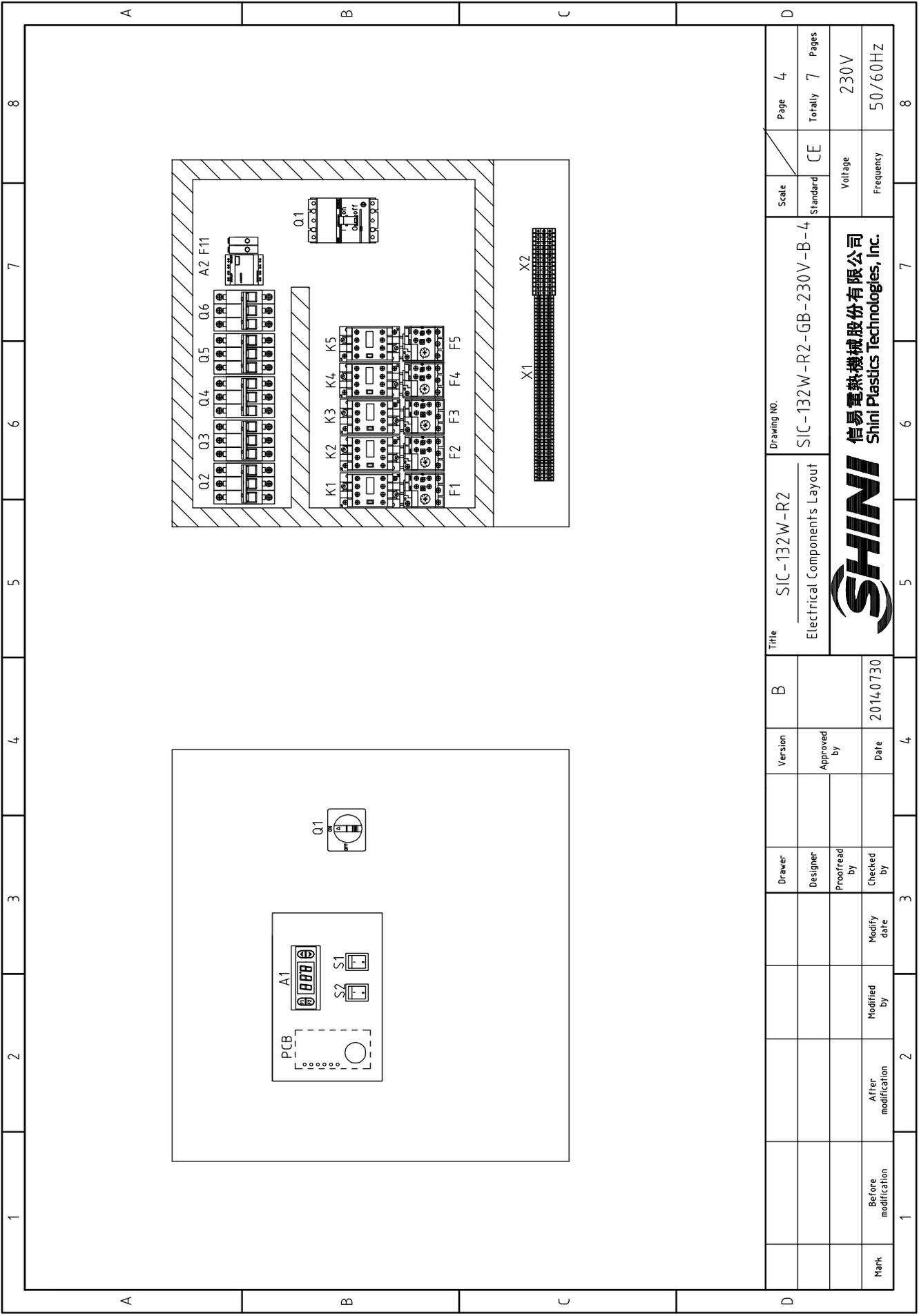


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A		B		C		D		A		B		C		D	
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A		B		C		D		A		B		C		D	
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A		B		C		D		A		B		C		D	
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A		B		C		D		A		B		C		D	
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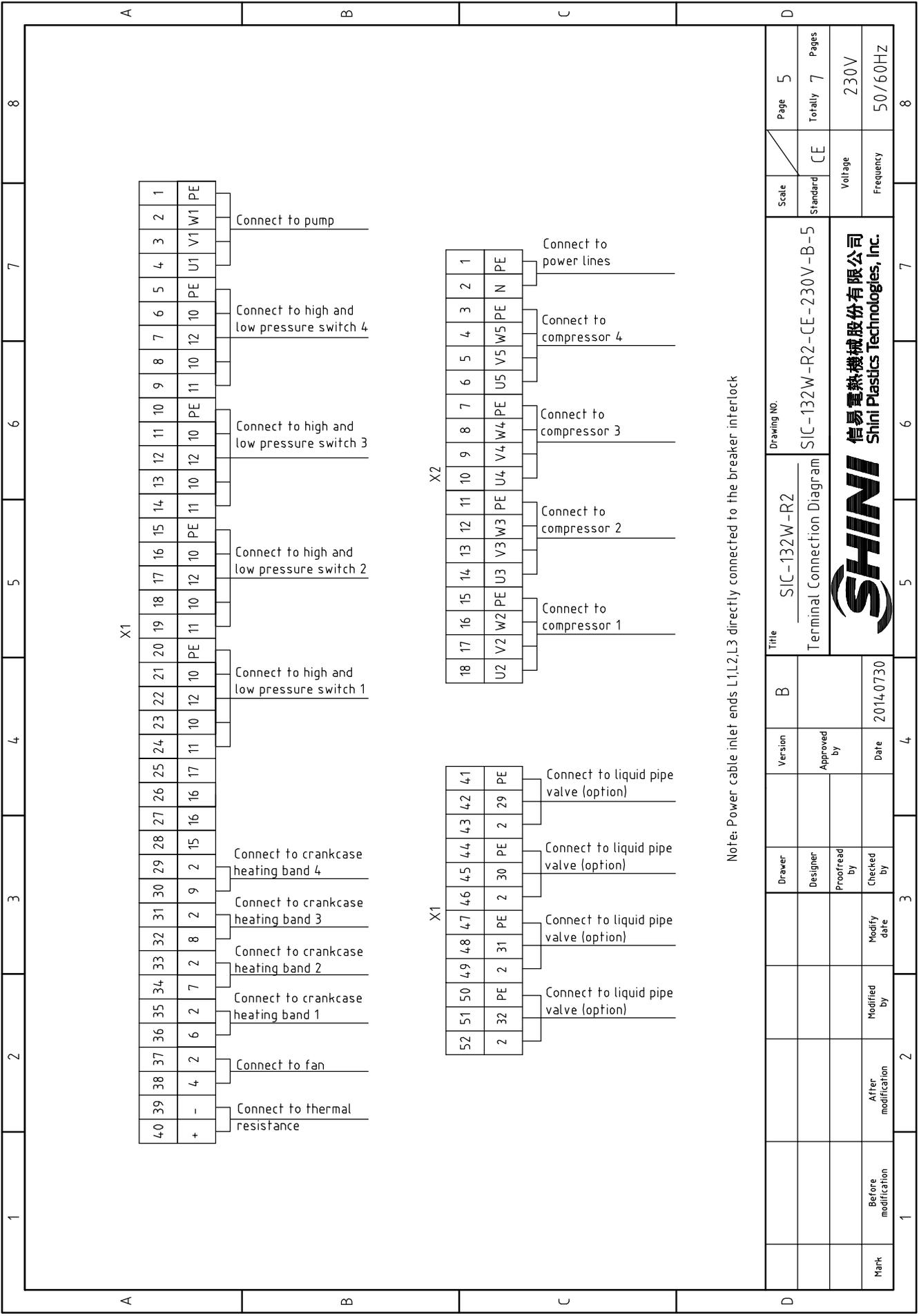


(SPARE) If optional specification is not used. It is connected.

Title		SIC-132W-R2		Drawing NO.		SIC-132W-R2-GB-230V-B-3		Page		3	
Version		B		Standard		CE		Voltage		230V	
Designer		Approved by		Frequency		50/60HZ		Totally		7	
Proofread by		Date		Mark		Before modification		After modification		Modified by	
Checked by		2014.07.30		1		2		3		4	
Modify date		Date		5		6		7		8	
Modified by		2014.07.30		SHINI		信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.			



Mark	Before modification	2	3	4	Title		Scale	Page	4
	After modification	2	3	4	SIC-132W-R2				
Modified by					Electrical Components Layout		CE	Voltage	230V
Modify date					SHINI		Frequency	50/60HZ	
Checked by					SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.				
Proofread by					Drawing NO.				
Designer					SIC-132W-R2				
Drawer					Electrical Components Layout				
Approved by					Version				
Checked by					B				
Modify date					Date				
Mark					2014.07.30				



Note: Power cable inlet ends L1,L2,L3 directly connected to the breaker interlock

Scale		Page 5	
Standard		Totally 7 Pages	
Voltage		230V	
Frequency		50/60HZ	
Drawing NO.		SIC-132W-R2-CE-230V-B-5	
Title		Terminal Connection Diagram	
Drawer	Version	B	
Designer	Approved by		
Proofread by	Date	2014.07.30	
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	Circuit breaker	ABB	A2B250TMF250	250A	1	YE41252800000								
2	Q2	Circuit breaker*	TECO	BM-63C/3032S	32A	1	YE40303203000								
3	Q3 Q4 Q5 Q6	Circuit breaker*	CHINT	DZ158-80/3P	80A	4	YE40800300000								
4	K1	Contactor*	SIEMENS	-----	230VAC 50/60HZ	1	-----	As appendix							
5	K2 K3 K4 K5	Contactor*	SIEMENS	3RT5036-1AN20	230V 50/60HZ	4	YE00503600000								
6		Auxiliary block	SIEMENS	3RH5921-1FA22	2NC+2NO	4	YE00592110100								
7	A1	Temperature controller*	LAE	AC1-5TS2RW-A	230V 50/60Hz 12VAC/DC 3W	1	YE85120200000								
8	A2	LOGO! controller	SIEMENS	LOGO! 230RCO	AC115-230V No display	1	YE81023000000								
9	RT	Temperature sensor*	LAE	-----	-----	1	-----	Thermostat comes with							
10	F1	Overload relay*	SIEMENS	-----	-----	1	-----	As appendix							
11	F2 F3 F4 F5	Overload relay*	SIEMENS	3RU5146-4HB0	36-50A	4	YE01514630000								
12	F11	Fuse**	YINDA	FS-10	2A	1	YE41001000000								
13	S1 S2	Control switch*	MOLVETNO	R210-C5LBW	250V~10(5)A 4P WH	2	YE10210400000								
14	S3	Anti-frozen switch*	PADOIGY	TR/711-N	250V~5(4)A	1	-----	(1)							
15	S4 S5 S6 S7	HI-LO pressure switch	FENSHEN	P830HLM	H:5-30bar L:-0.7-6bar	4	-----	(1)							
16	PCB	Control board*	YUYUN	AA-01	230V 50Hz	1	YE80000100000								
17	Y1 Y2 Y3 Y4	Solenoid Valve*	-----	-----	230VAC 50/60HZ	4	-----	(1) (2)							
18	X1	Control board	-----	2.5mm ²	-----	35	YE61250040000								
19		Control board	-----	2.5mm ² PE	-----	5	YE61253500000								
20	X1	Control board	-----	2.5mm ²	-----	8	YE61250040000	(2)							
21		Control board	-----	2.5mm ² PE	-----	4	YE61253500000	(2)							
22	X2	Control board	-----	10.0mm ²	-----	12	YE61100000000								
23		Control board	-----	10.0mm ² PE	-----	4	YE61103500000								
24		Control board	-----	50mm ² PE	-----	1	YE61005040100								
25	M1	Pump motor	-----	-----	230V 50/60HZ	1	As appendix	(1)							

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.
/* means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

D		Title		SIC-132W-R2		Drawing NO.		SIC-132W-R2-GB-230V-B-6		Scale		Page		6	
		Electrical Components List 1								Standard		CE		Totally 7 Pages	
		Version		B		Approved by				Voltage		230V			
		Designer				Date		2014.07.30		Frequency		50/60HZ			
Mark		Before modification		Modified by		Modify date									
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	M2 M3 M4 M5	Compressor	----	----	230V 50/60Hz 8.82kW	4	----	(1)
27	EH1 EH2 EH3 EH4	Crankcase heater	----	----	230V 50/60Hz 45W	4	----	(1)
28	FM	Fan	----	----	230V 50/60Hz	1	----	(1)
A								
B								
C								
D								

Notes: (1)Means it's not the material inside the control box. (2)Means optional item.

*Means possible broken parts. ** means easy broken parts. Spare backup is suggested. Please confirm the version number of the manual before you order to ensure the stock number and the parts are consistent.

Title		Version		Drawing NO.		Scale		Page	
SIC-132W-R2		B		SIC-132W-R2		CE		7	
Electrical Components List 2		Approved by		SIC-132W-R2-GB-230V-B-7		Voltage		230V	
SHINI		Date		2014.07.30		Frequency		50/60HZ	
信易電熱機械股份有限公司		Modified by		Modified date		Totally		7	
Shini Plastics Technologies, Inc.		Checked by		After modification		Pages		8	
Mark		Before modification		1		2		3	
				4		5		6	
				7		8		9	