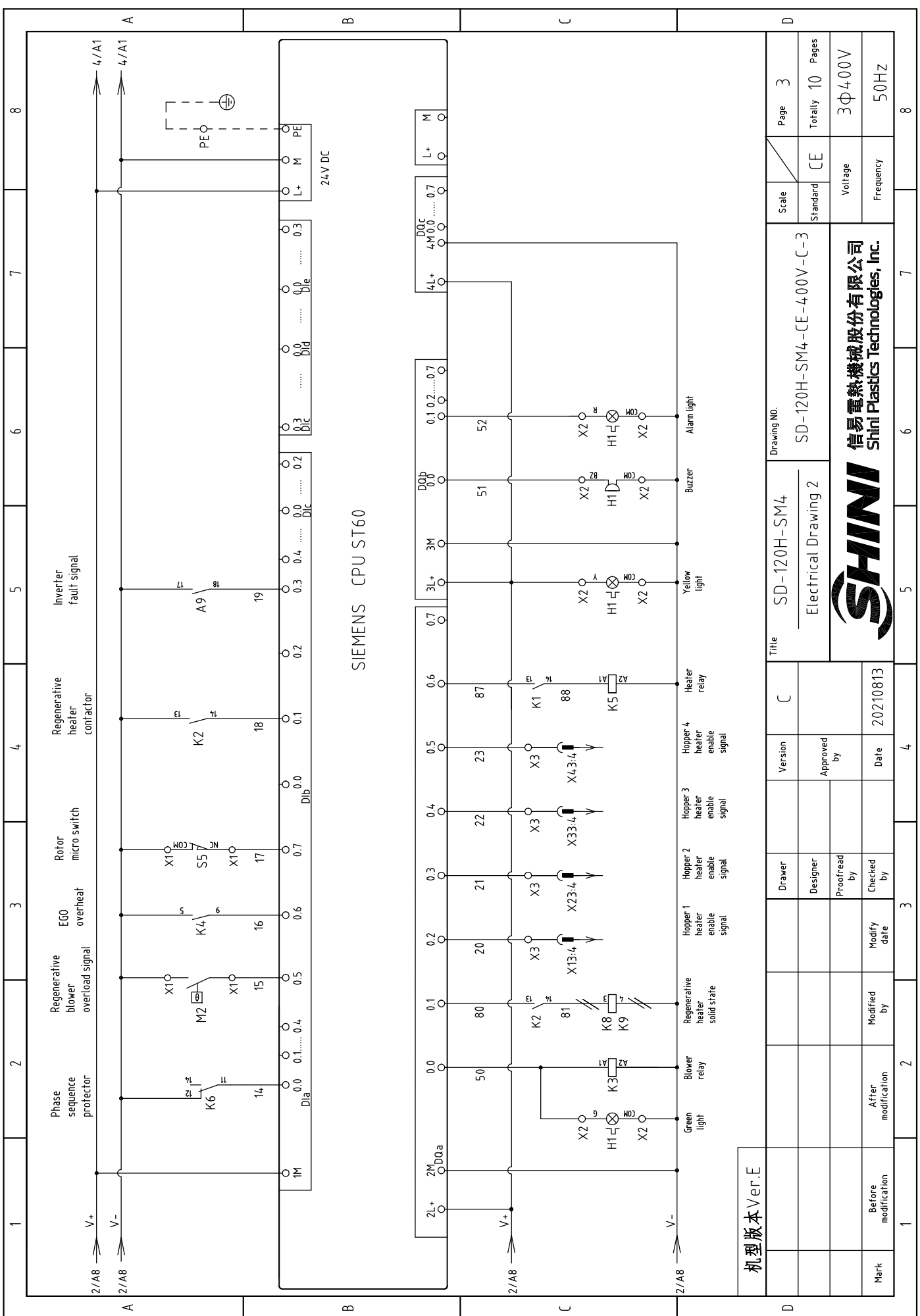


机型版本 Ver.E

D	C	Title		Drawing No.		Scale	Page
		SD-120H-SM4	SD-120H-SM4	SD-120H-SM4-CE-400V-C-1	CE	1	
Main Circuit Diagram		Version	Approved by	Standard	Totally	Pages	
				CE	10		
Mark	Before modification	Modified by	Modify date	Voltage		Frequency	
	After modification			3Φ400V		50Hz	
Date		Date		Voltage		Frequency	
20210813		20210813		3Φ400V		50Hz	
3		4		7		8	
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Shini Plastics Technologies, Inc.

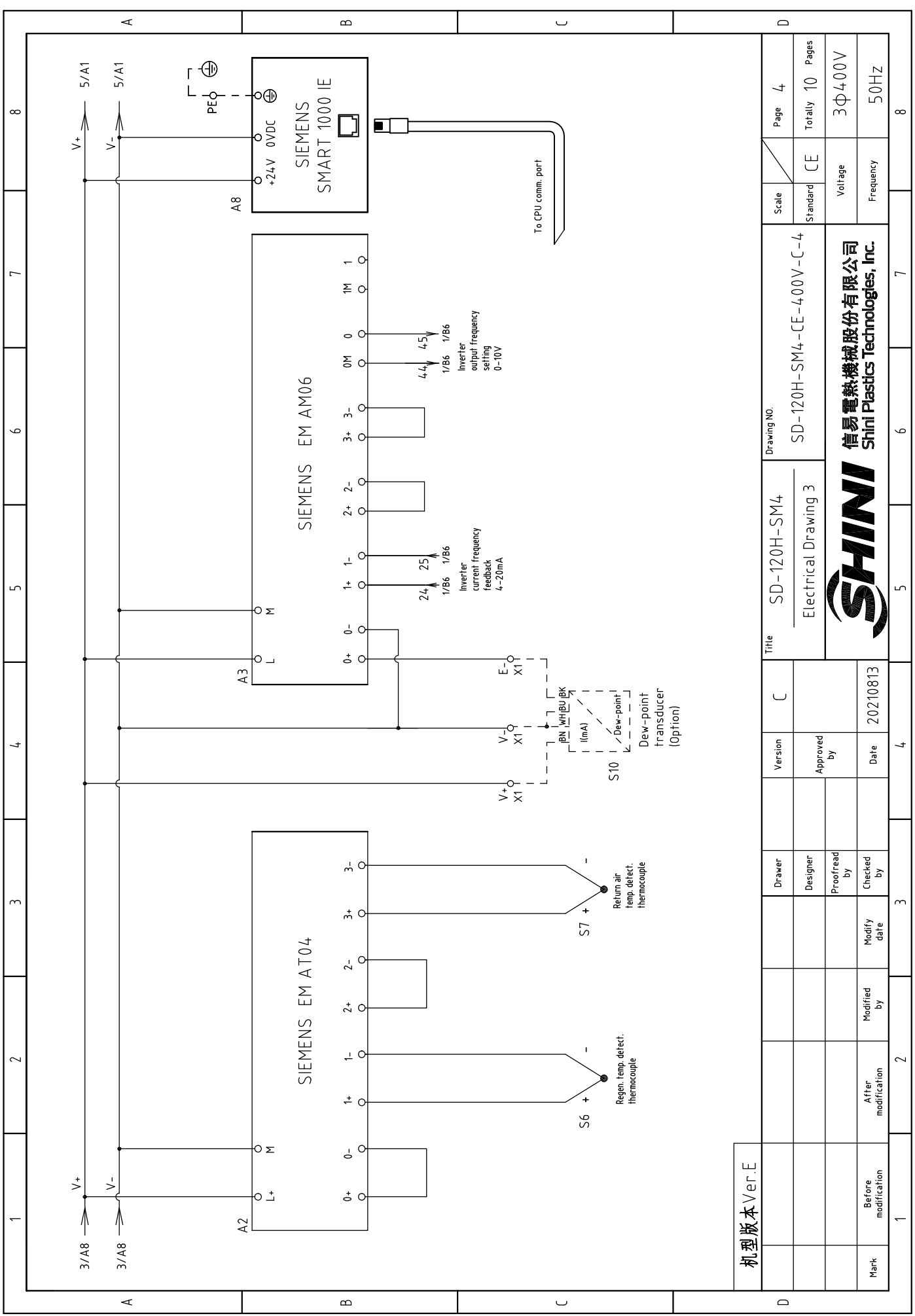


SIEMENS CPU ST60

机版本	Ver.E
Mark	Before modification
Modified by	
Modify date	
Checked by	20210813
Proofread by	
Designer	
Drawer	
Version	
Approved by	
Date	20210813

Title		SD-120H-SM4	
Electrical Drawing 2		Drawing NO.	
C		SD-120H-SM4-CE-400V-C-3	
Scale	Standard	Page	3
CE	CE	Totally	10
Voltage	3Φ400V	Pages	
Frequency	50HZ		

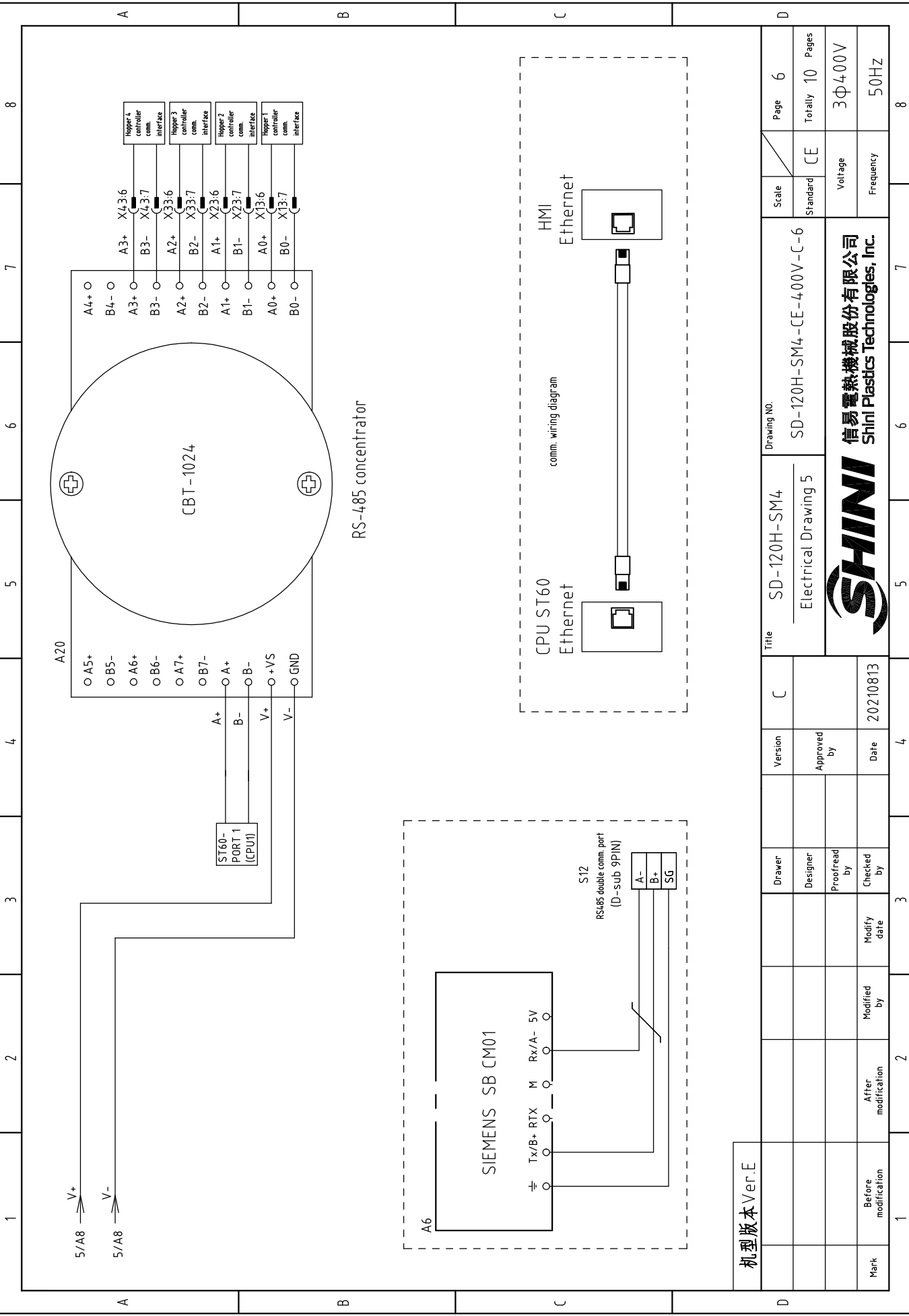




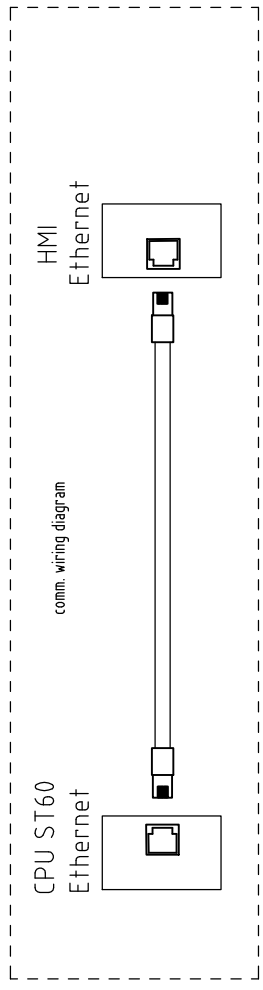
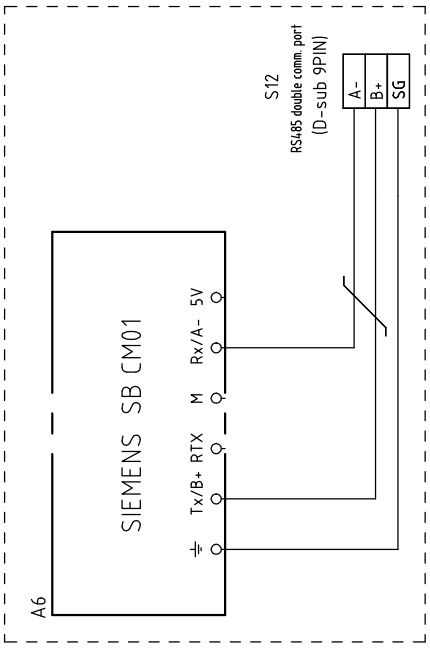
机型版本	Ver.E
Mark	Before modification
	After modification
	Modified by
	Modify date
	Checked by
	Proofread by
	Designer
	Drawer
	Version
	Approved by
	Date
	20210813

Title		SD-120H-SM4		Drawing NO.		SD-120H-SM4-CE-400V-C-4	
Electrical Drawing 3		Scale		Standard		CE	
Page 4		Voltage		Frequency		3Φ400V	
Totally 10 Pages		Voltage		Frequency		50HZ	

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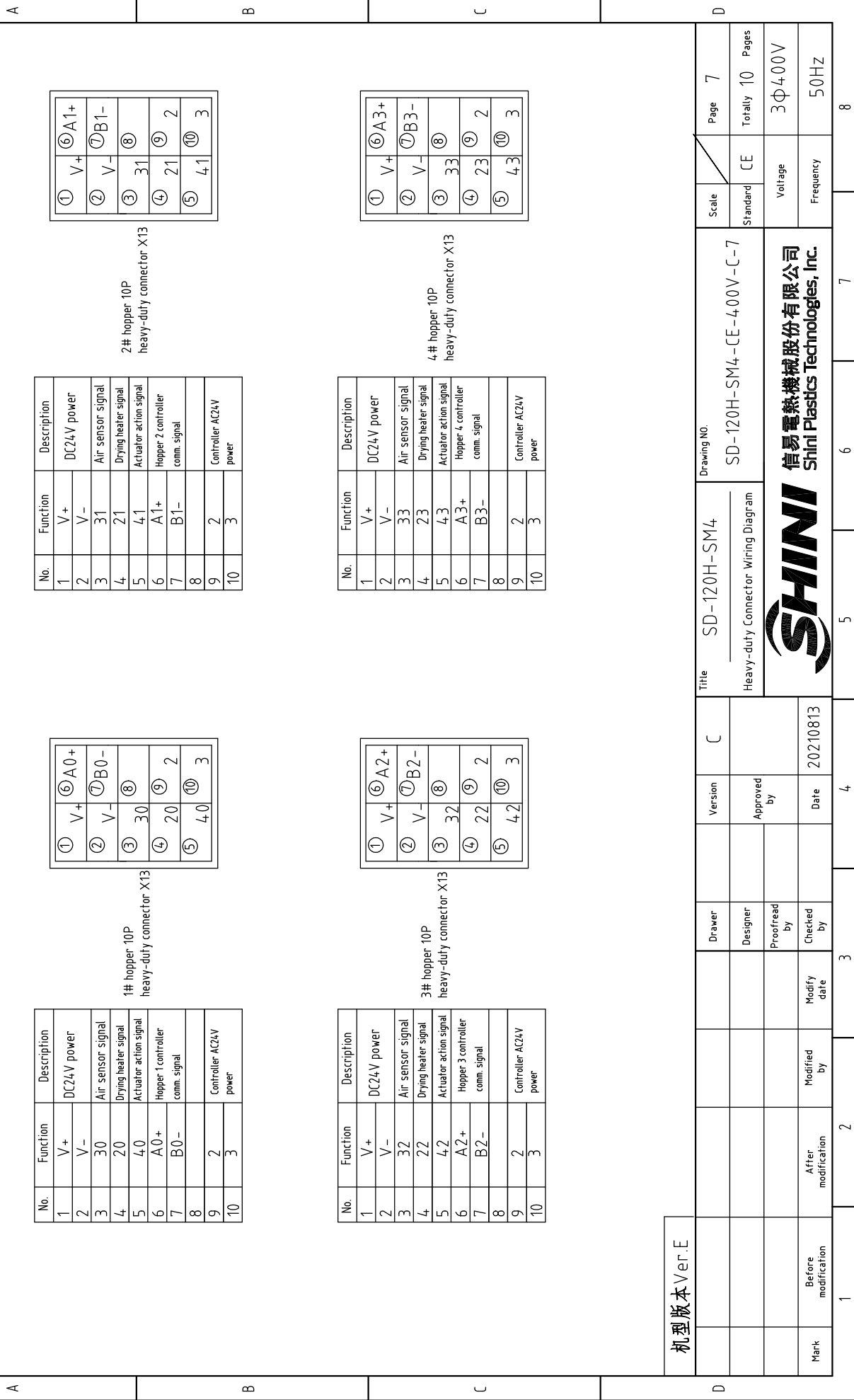
RS-485 concentrator



机型版本 Ver.E

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	C	Title	SD-120H-SM4 Electrical Drawing 5	Drawing NO.	SD-120H-SM4-CE-4.00V-C-6	Scale	CE	Page	6	
									Approved by								Totally	10	
									Date	20210813							Voltage	3Φ400V	
																	Frequency	50HZ	
1	2	3	4	5	6	7	8												





No.	Function	Description
1	V+	DC24V power
2	V-	
3	30	Air sensor signal
4	20	Drying heater signal
5	40	Actuator action signal
6	A0+	Hopper 1 controller comm. signal
7	B0-	
8		
9	2	Controller AC24V power
10	3	

①	V+	⑥ A0+
②	V-	⑦ B0-
③	30	⑧
④	20	⑨ 2
⑤	40	⑩ 3

1# hopper 10P heavy-duty connector X13

No.	Function	Description
1	V+	DC24V power
2	V-	
3	31	Air sensor signal
4	21	Drying heater signal
5	41	Actuator action signal
6	A1+	Hopper 2 controller comm. signal
7	B1-	
8		
9	2	Controller AC24V power
10	3	

①	V+	⑥ A1+
②	V-	⑦ B1-
③	31	⑧
④	21	⑨ 2
⑤	41	⑩ 3

2# hopper 10P heavy-duty connector X13

No.	Function	Description
1	V+	DC24V power
2	V-	
3	32	Air sensor signal
4	22	Drying heater signal
5	42	Actuator action signal
6	A2+	Hopper 3 controller comm. signal
7	B2-	
8		
9	2	Controller AC24V power
10	3	

①	V+	⑥ A2+
②	V-	⑦ B2-
③	32	⑧
④	22	⑨ 2
⑤	42	⑩ 3

3# hopper 10P heavy-duty connector X13

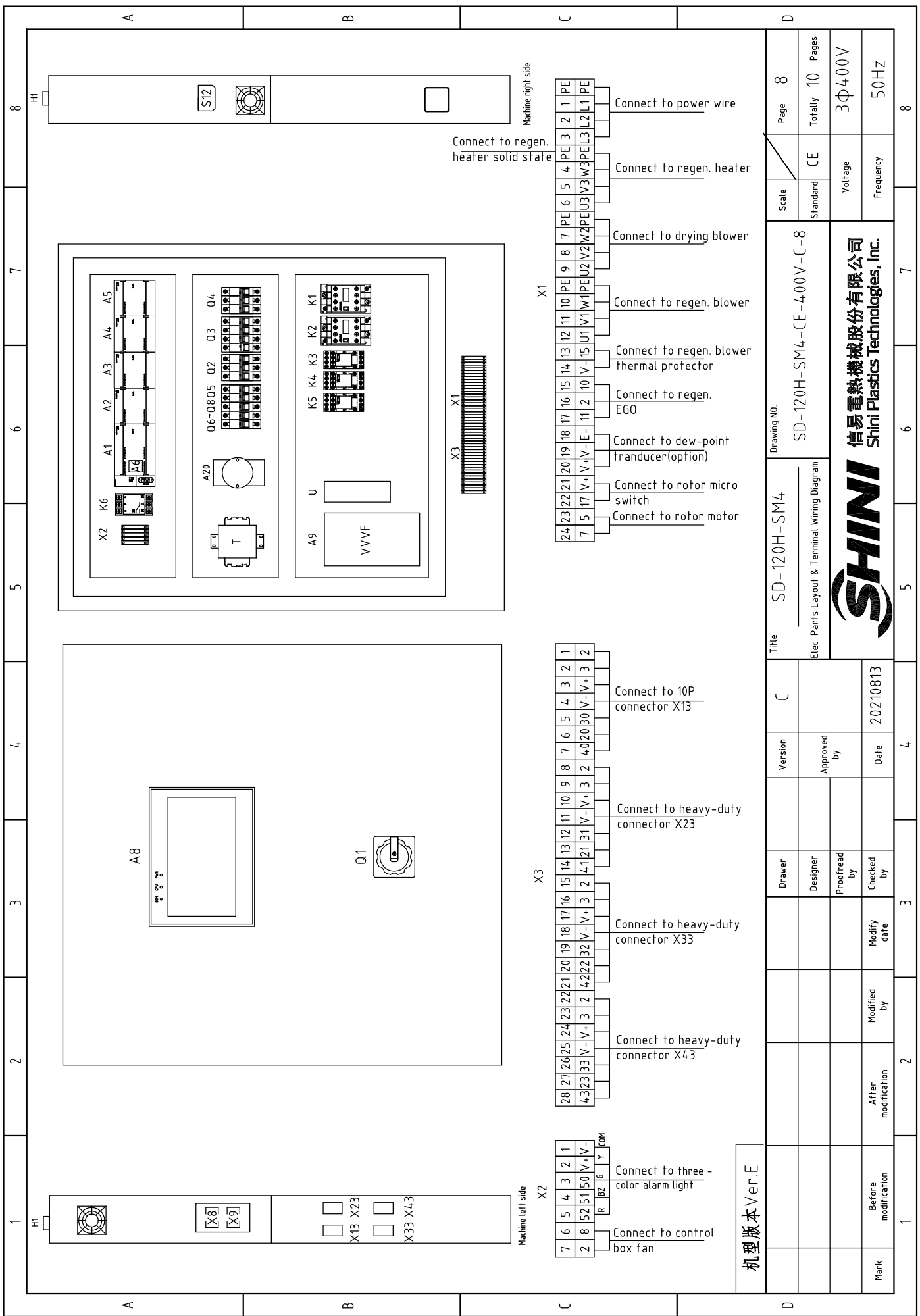
No.	Function	Description
1	V+	DC24V power
2	V-	
3	33	Air sensor signal
4	23	Drying heater signal
5	43	Actuator action signal
6	A3+	Hopper 4 controller comm. signal
7	B3-	
8		
9	2	Controller AC24V power
10	3	

①	V+	⑥ A3+
②	V-	⑦ B3-
③	33	⑧
④	23	⑨ 2
⑤	43	⑩ 3

4# hopper 10P heavy-duty connector X13

机型版本 Ver.E

Title		SD-120H-SM4		Drawing NO.		Page 7	
Heavy-duty Connector Wiring Diagram		SD-120H-SM4-CE-400V-C-7		Standard		CE	
SHINI		信易電熱機械股份有限公司		Voltage		3Φ400V	
Mark		Before modification		Frequency		50HZ	
Modified by		Date		Totality		Pages	
20210813		20210813		10		7	
3		4		7		8	



Machine left side

Machine right side

Connect to regen. heater solid state

Connect to power wire

Connect to regen. heater

Connect to drying blower

Connect to regen. blower

Connect to regen. blower thermal protector

Connect to regen. EGO

Connect to dew-point transducer (option)

Connect to rotor micro switch

Connect to rotor motor

Connect to 10P connector X13

Connect to heavy-duty connector X23

Connect to heavy-duty connector X33

Connect to heavy-duty connector X43

Connect to three-color alarm light

Connect to control box fan

7	6	5	4	3	2	1
2	8	13	12	11	10	9
1	14	15	16	17	18	19
2	20	21	22	23	24	25
3	26	27	28	29	30	31
4	32	33	34	35	36	37
5	38	39	40	41	42	43
6	44	45	46	47	48	49
7	50	51	52	53	54	55
8	56	57	58	59	60	61

Page	8
Totally	10
Pages	3
Voltage	400V
Frequency	50HZ

Scale	Standard
Standard	CE

Drawing NO.	SD-120H-SM4-CE-400V-C-8
Title	SD-120H-SM4
Elec. Parts Layout & Terminal Wiring Diagram	

Version	C
Approved by	
Date	20210813

Drawer	
Designer	
Proofread by	
Checked by	
Modify date	
Modified by	
After modification	
Before modification	
Mark	

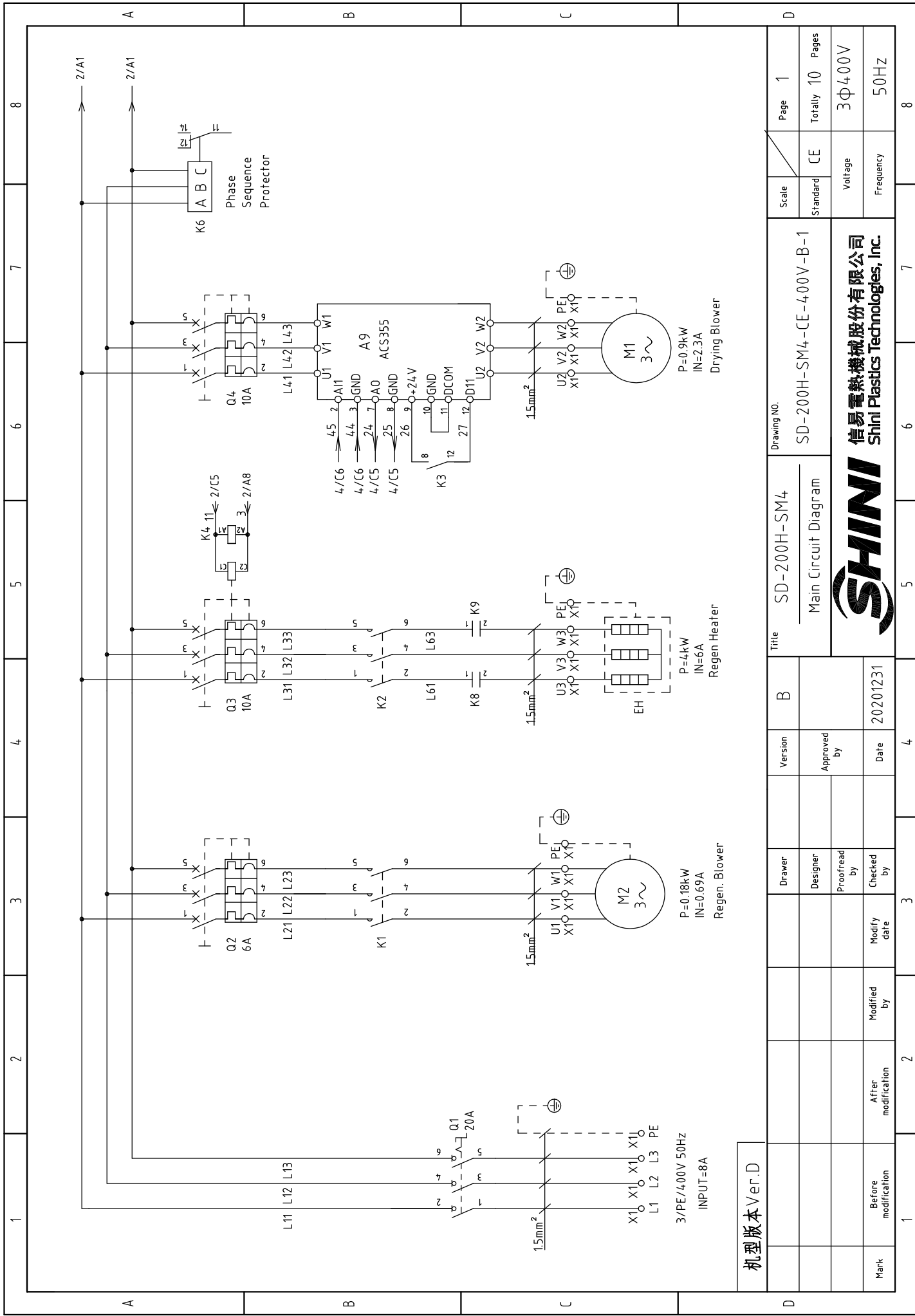
机型版本	Ver.E
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SHINI	信易電熱機械股份有限公司	Shint Plastics Technologies, Inc.
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1	2	3	4	5	6	7	8
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1		2		3		4		5		6		7		8	
N0.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
1	Q1	Main power switch	EATON	TO-2-1/EA/SVB	20A	1	YE10021160000								
2	Q2	Circuit breaker	TECO	BM-63C/3006S	6A	1	YE40300603000								
3		Release	YIJIN	MX	AC24V	1	YE40024000000								
4	Q3 Q4	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE40301003000								
5	Q5	Circuit breaker	TECO	BM-63C/2003S 2P	3A	1	YE40200203000								
6	Q6	Circuit breaker	TECO	BM-63C/1006S 1P	6A	1	YE40100600100								
7	Q7 Q8	Circuit breaker	TECO	BM-63C/1003S 1P	3A	2	YE40100203000								
8	K1 K2	Contactors	SIEMENS	3RT6015-1AB01	AC24V 50/60Hz	2	YE00601502500								
9	K3	Middle relay	HONEYWELL	GR-4C-DC24V	DC24V	1	YE03042400500								
10	K4	Middle relay	HONEYWELL	GR-2C-AC24V	AC24V 50/60Hz	1	YE03022400300								
11	K5	Middle relay	HONEYWELL	DRM270024LT	DC24V	1	YE03272400000								
12	K6	Phase sequence protector	CHAOSHI	ABJ2-12W/380V	400V 50/60Hz	1	YE03103800000								
13	K8 K9	Solid-state relay	FOTEK	KSR-40DA-H	40A/480VAC/4-32VDC	2	YE03404003200								
14	T	Mutural transformer	JIUXIN	IN=400V OUT=230V/24V	800mA/230VA	1	YE70040004100								
15	A1	Programmable logical controller	SIEMENS	CPU ST60 DC/DC/DC	24VDC	1	YE90662000100								
16	A2	Extended module	SIEMENS	EM AT04	24VDC	1	YE82000400300								
17	A3	Extended module	SIEMENS	EM AE04	24VDC	1	YE82000400100								
18	A4	Extended module	SIEMENS	EM AM06	24VDC	1	YE90420600000								
19	A5	Extended module	SIEMENS	EM AQ04	24VDC	1	YE82000400200								
20	A6	Extended module	SIEMENS	SB CM01	24VDC	1	YE90048501300								
21	A8	Human machine interface	SIEMENS	SMART 1000	24VDC	1	YE80024000000								
22	A9	Inverter	ABB	ACS355-03E-04A1-4	400V 0.75kW	1	YE75350300100								
23		Inverter controller	ABB	J404	----	1	YE81040400000								
24	U	DC Power	---	S-100-24	OUT=DC24V 4.5A	1	YE71102400000								
25	H1	Alarm light	SHINI	SWI-P-AC/DC24(三色优先)	24V AC/DC	1	BL90002401520	(1)							
机型版本 Ver.E															
Notes: (1)Means it's not the material inside the control box. (2) Dew-point transducer;															
		Drawer		Version		C		Title		SD-120H-SM4		Drawing NO.		SD-120H-SM4-CE-400V-C-9	
		Designer		Approved by				Electrical Parts List 1		Standard		CE		Page 9	
		Proofread by		Checked by		Date				Voltage		Frequency		Totally 10 Pages	
Mark		Before modification		After modification		Modify date		20210813		3Φ400V		50Hz		8	
1		2		3		4		5		6		7		8	

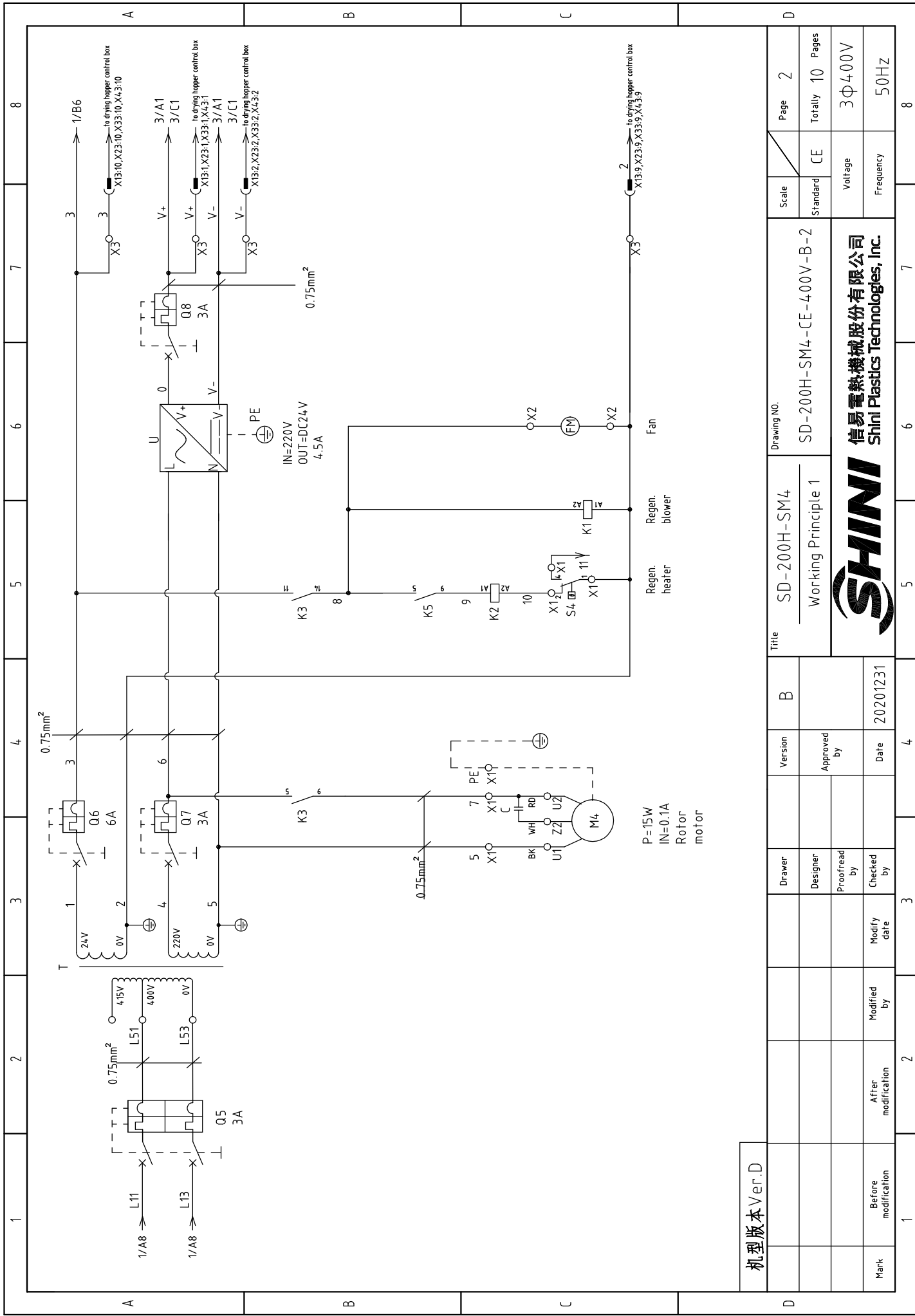




机型版本 Ver.D

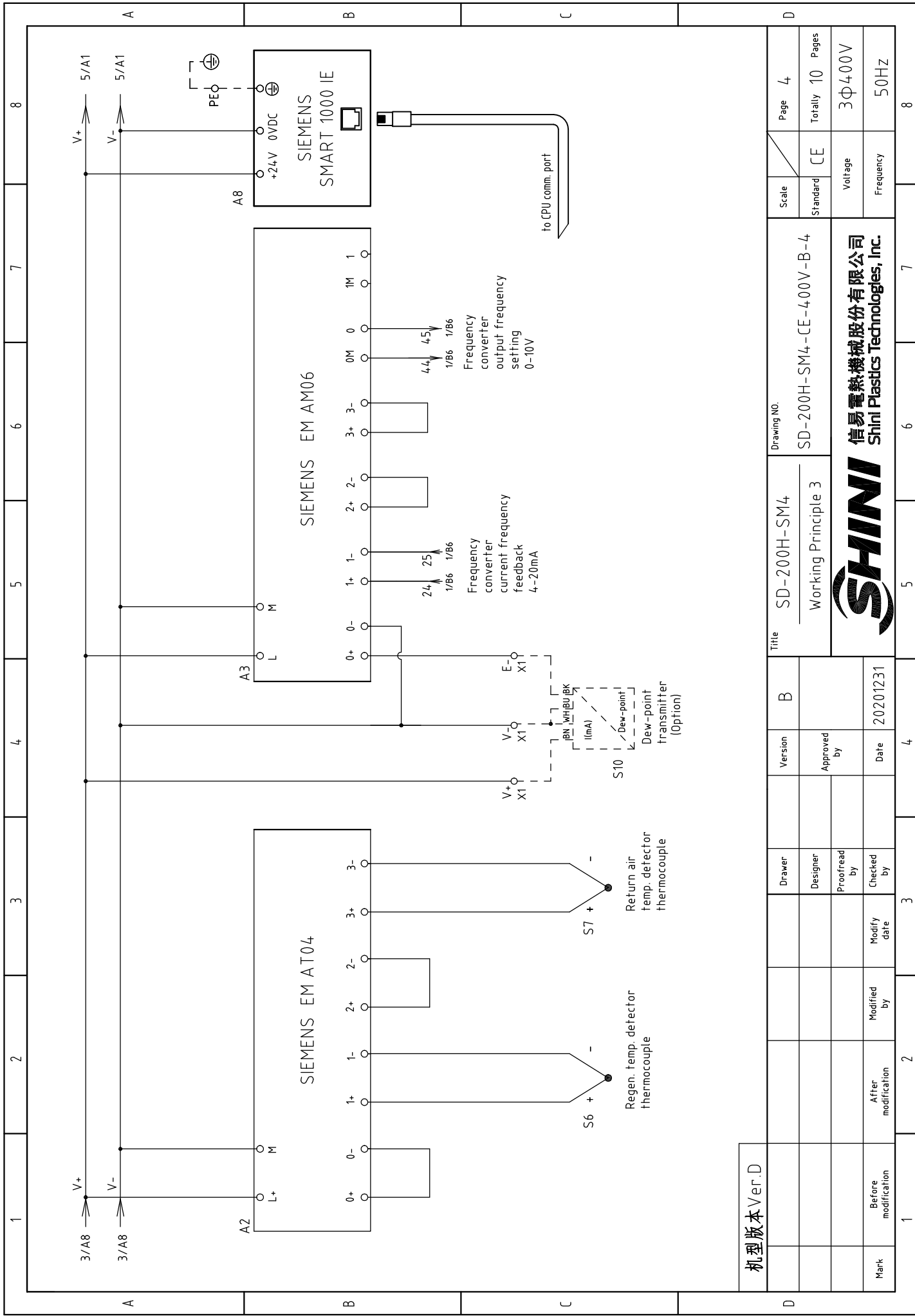
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	After modification				20201231				Main Circuit Diagram							Totally	10	Pages
																Voltage	3φ400V	
																Frequency	50Hz	

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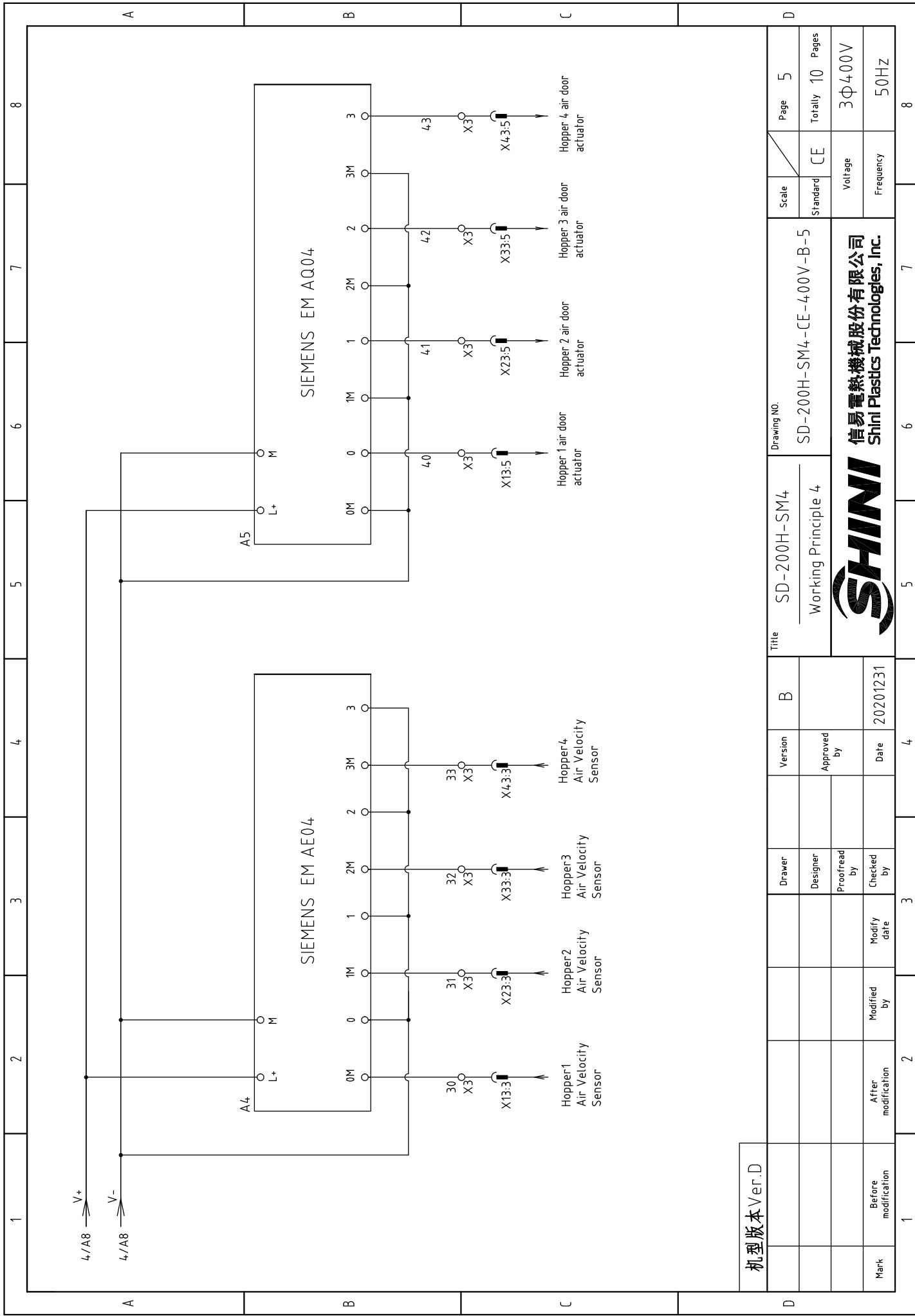
机型版本 Ver.D

D	Drawing No.		Scale		Page	
	SD-200H-SM4-CE-400V-B-2		CE		2	
Title			Standard		Totally	
SD-200H-SM4			CE		10	
Working Principle 1			Voltage		Pages	
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.			3Φ400V		50Hz	
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date
						20201231
Version		Approved by		Date		
B				4		
Drawer		Designer		Proofread by		3
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机型版本 Ver.D

Title		SD-200H-SM4		Drawing No.		SD-200H-SM4-CE-400V-B-4		Page		4	
Version		B		Approved by		Working Principle 3		Standard		CE	
Designer		Proofread by		Date		20201231		Voltage		3Φ400V	
Before modification		After modification		Modify date		Checked by		Frequency		50HZ	
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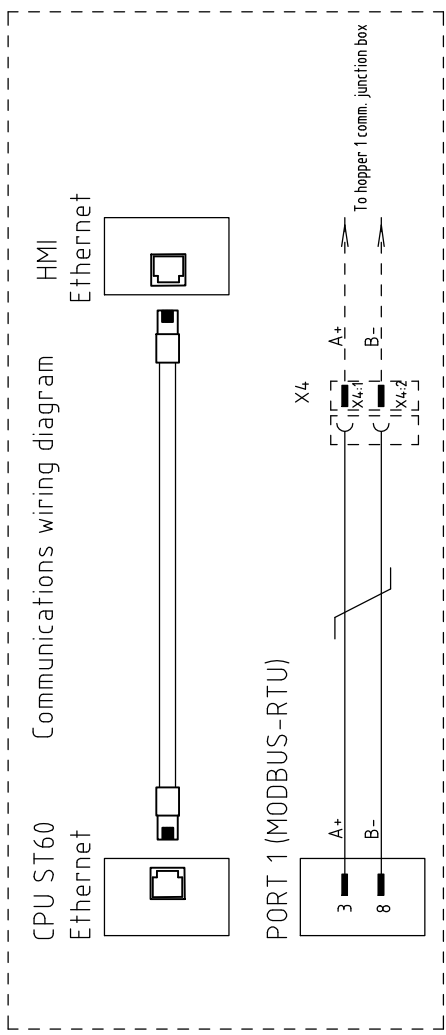
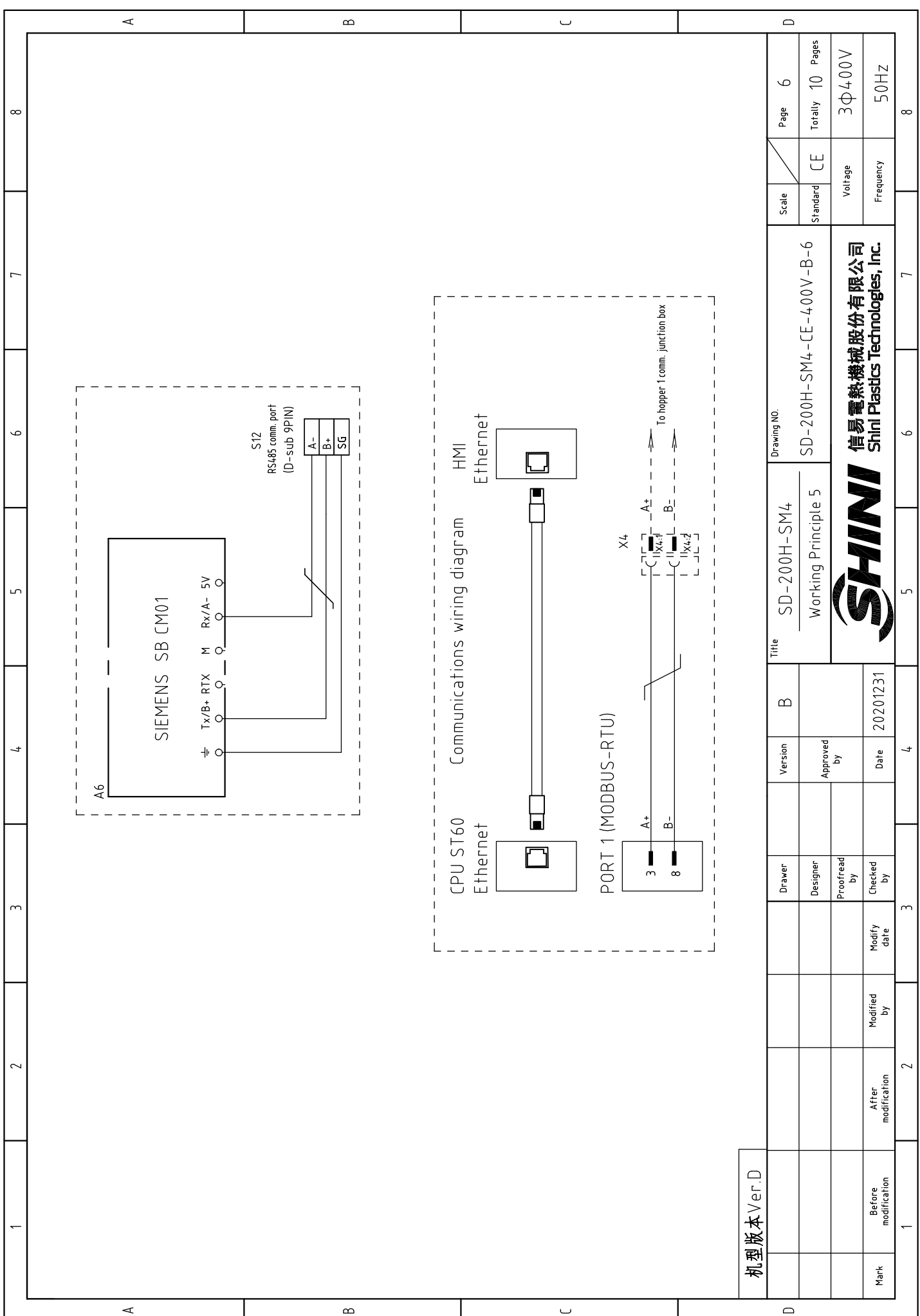


机型版本 Ver.D

Mark	Before modification	Modified by	Modify date	Checked by	Date
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SD-200H-SM4					
Working Principle 4					
Drawing NO.					
SD-200H-SM4-CE-400V-B-5					
Scale	Page	Standard		Voltage	
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Totally		Frequency		50Hz	
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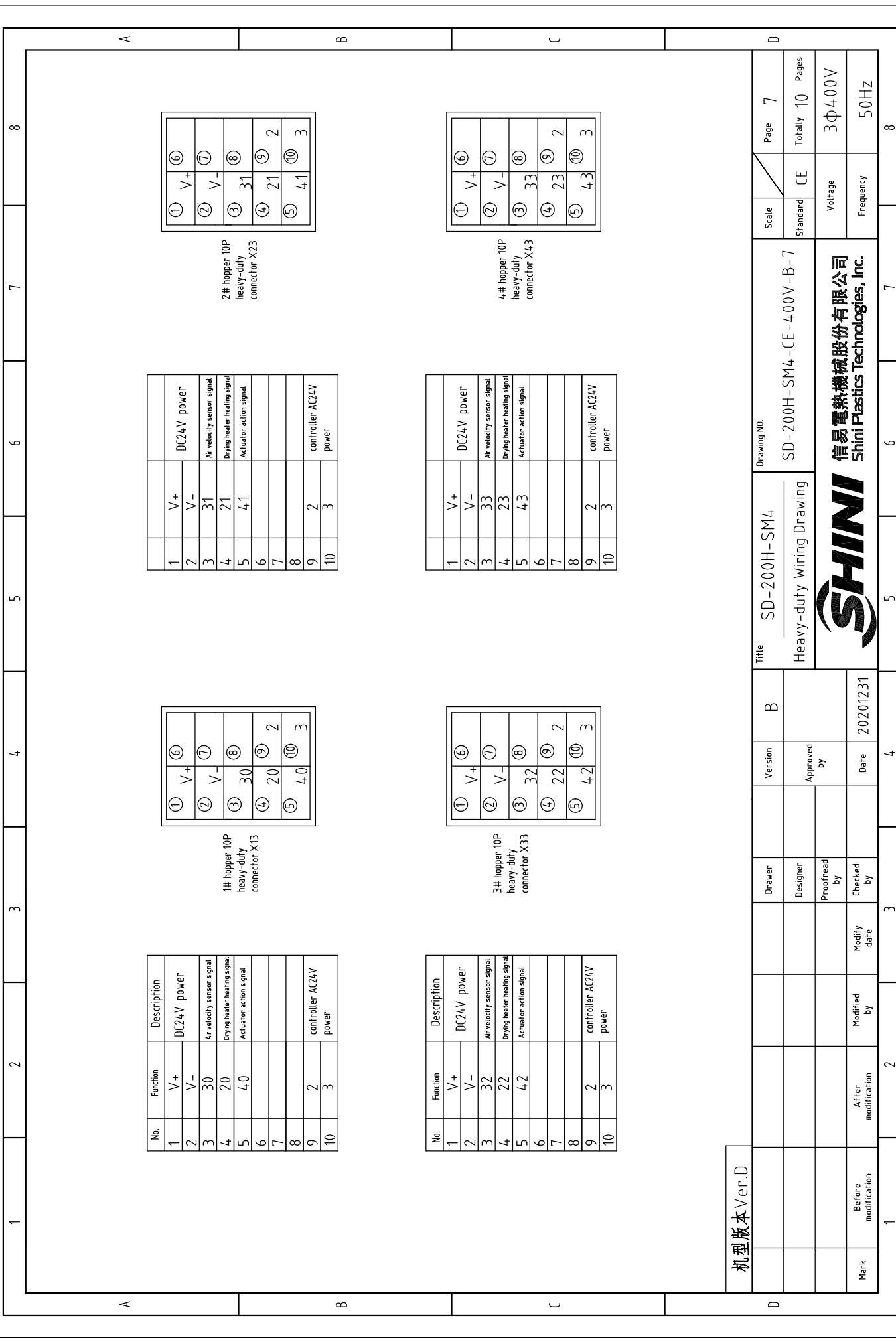
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Shini Plastics Technologies, Inc.



机型版本 Ver.D

Mark	Before modification	Modified by	Modify date	Checked by	Proofread by	Designer	Drawer	Version	B	Title	SD-200H-SM4 Working Principle 5	Drawing NO.	SD-200H-SM4-CE-400V-B-6	Scale	Page
	After modification													Standard	CE
													Voltage	3Φ400V	
													Frequency	50Hz	
													8		





No.	Function	Description
1	V+	DC24V power
2	V-	
3	30	Air velocity sensor signal
4	20	Drying heater heating signal
5	40	Actuator action signal
6		
7		
8		
9	2	controller AC24V power
10	3	

①	V+	⑥
②	V-	⑦
③	30	⑧
④	20	⑨
⑤	40	⑩
		2
		3

1# hopper 10P heavy-duty connector X13

1	V+	DC24V power
2	V-	
3	31	Air velocity sensor signal
4	21	Drying heater heating signal
5	41	Actuator action signal
6		
7		
8	2	controller AC24V power
9	3	
10		

①	V+	⑥
②	V-	⑦
③	31	⑧
④	21	⑨
⑤	41	⑩
		2
		3

2# hopper 10P heavy-duty connector X23

No.	Function	Description
1	V+	DC24V power
2	V-	
3	32	Air velocity sensor signal
4	22	Drying heater heating signal
5	42	Actuator action signal
6		
7		
8		
9	2	controller AC24V power
10	3	

①	V+	⑥
②	V-	⑦
③	32	⑧
④	22	⑨
⑤	42	⑩
		2
		3

3# hopper 10P heavy-duty connector X33

1	V+	DC24V power
2	V-	
3	33	Air velocity sensor signal
4	23	Drying heater heating signal
5	43	Actuator action signal
6		
7		
8		
9	2	controller AC24V power
10	3	

①	V+	⑥
②	V-	⑦
③	33	⑧
④	23	⑨
⑤	43	⑩
		2
		3

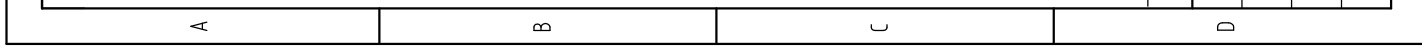
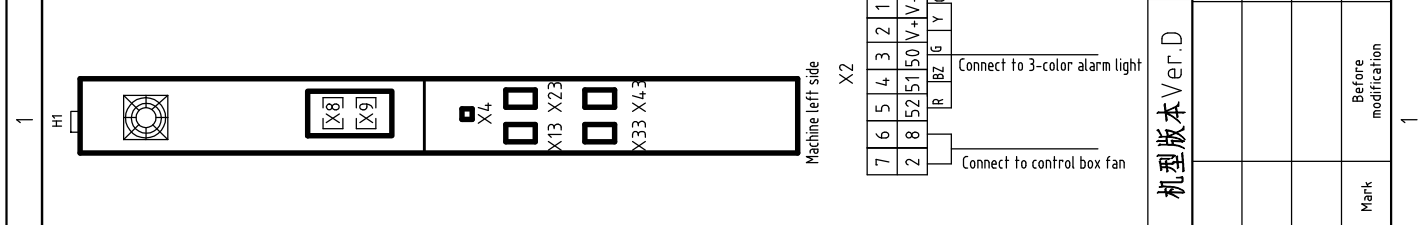
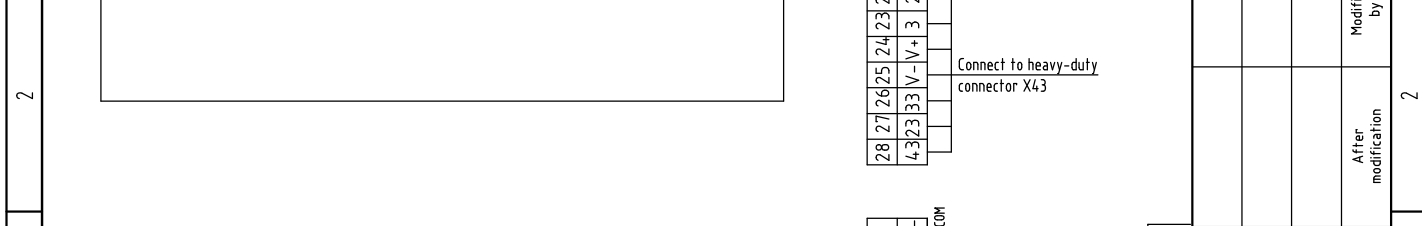
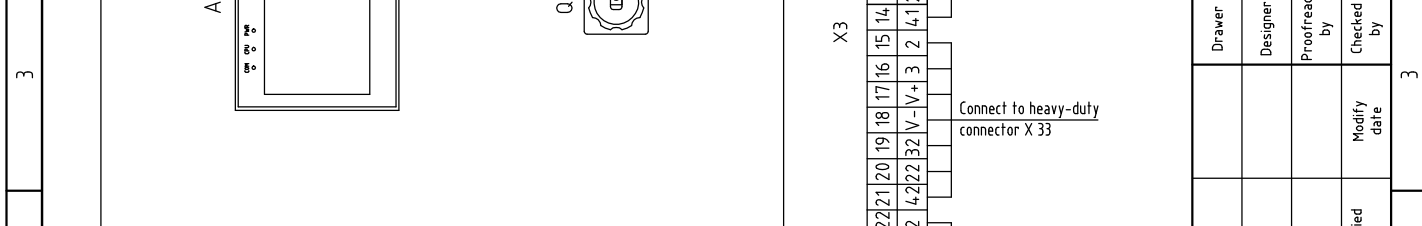
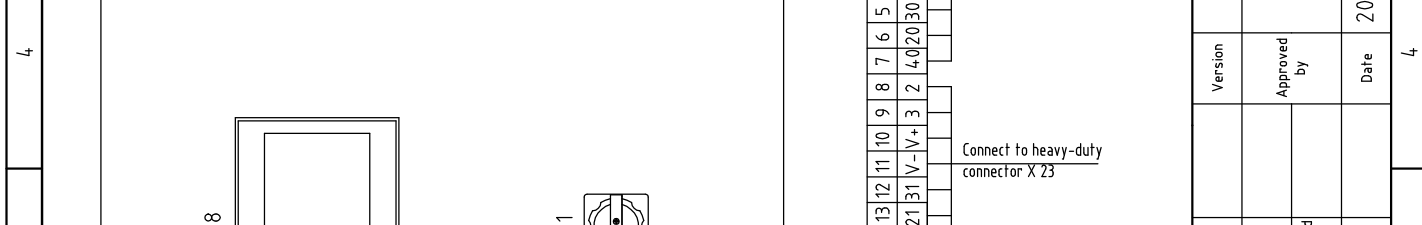
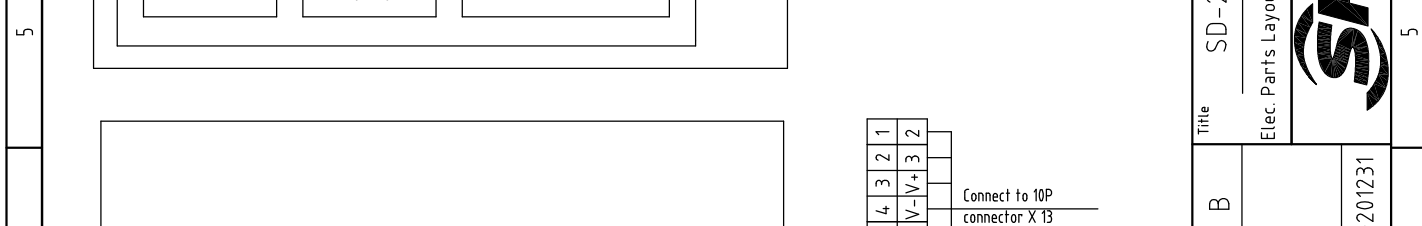
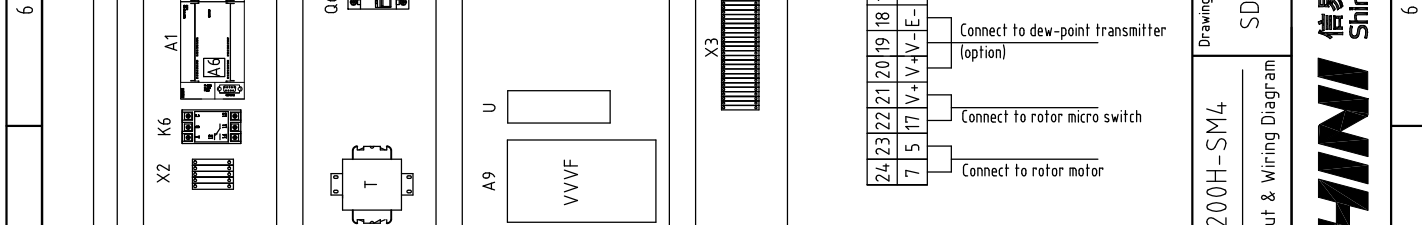
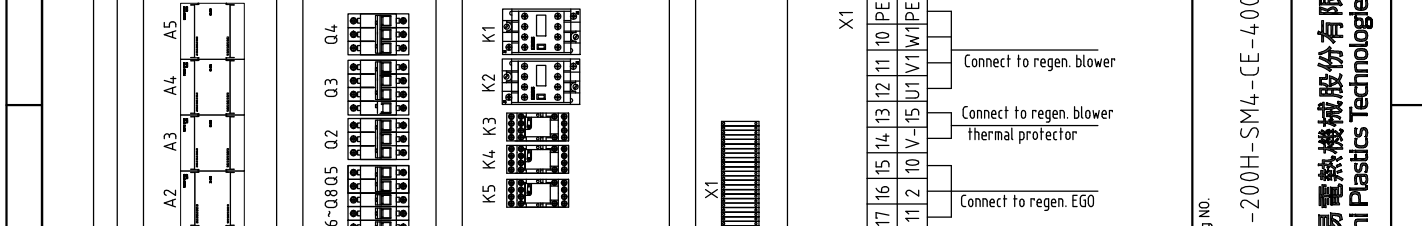
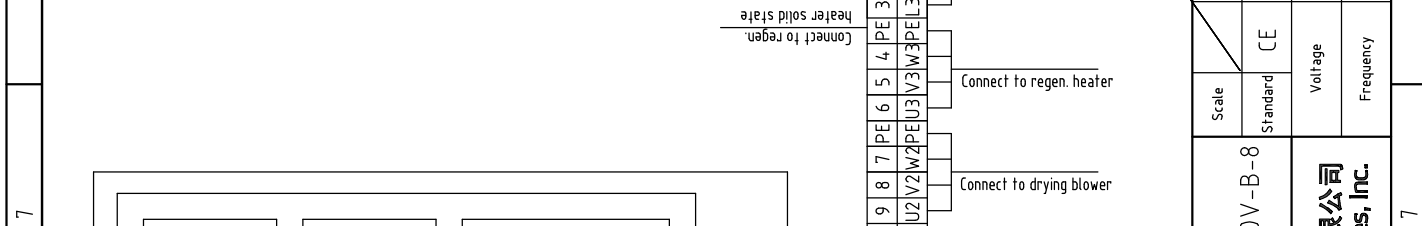
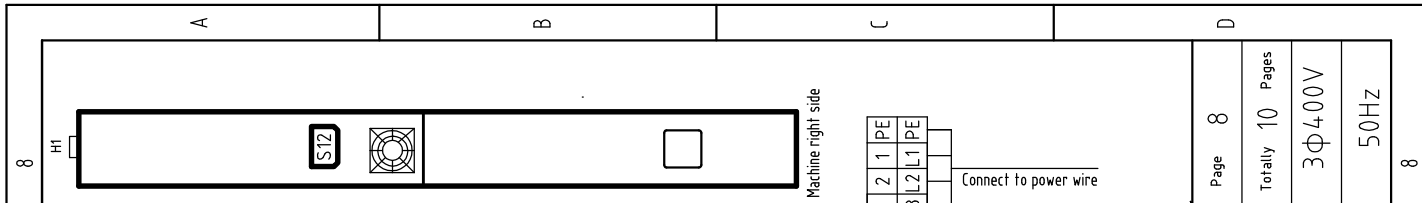
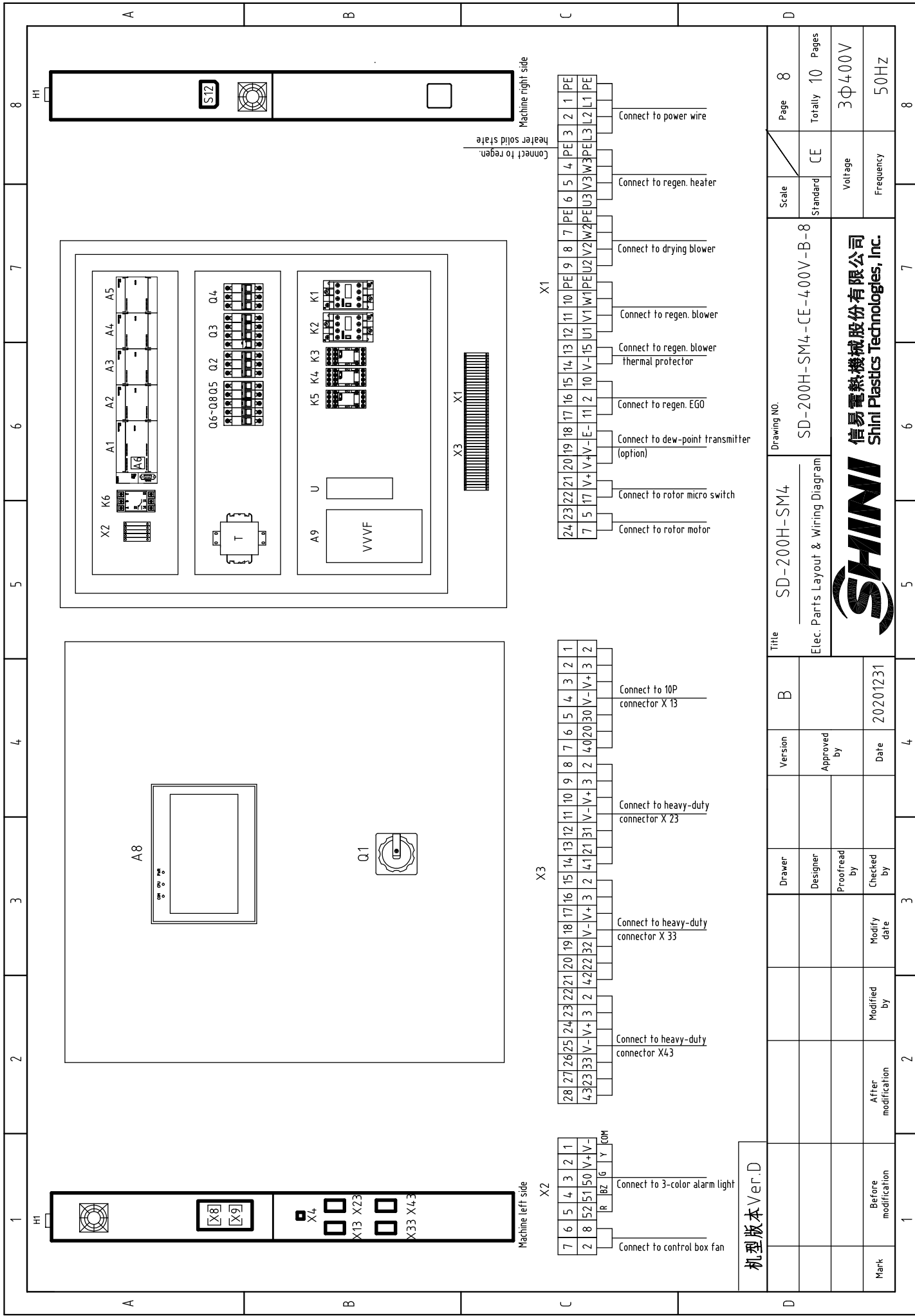
4# hopper 10P heavy-duty connector X43

机型版本 Ver. D

Mark	Before modification	Modified by	Modify date	3	4	Version	B	Title	SD-200H-SM4 Heavy-duty Wiring Drawing	Drawing NO.	SD-200H-SM4-CE-400V-B-7	Scale	Page	
	After modification	After modification	After modification									Standard	CE	Totally
												Voltage	3Φ400V	
												Frequency	50HZ	
													Totally	10
													Page	7
														8



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Shini Plastics Technologies, Inc.



机型版本 Ver.D

Title		SD-200H-SM4		Drawing NO.		SD-200H-SM4-CE-400V-B-8		Scale		Page 8	
Elec. Parts Layout & Wiring Diagram		Version		Approved by		Date		Standard		Totaly 10 Pages	
20201231		20201231						CE		Voltage	
20201231		20201231						3φ400V		Frequency	
20201231		20201231						50Hz		8	



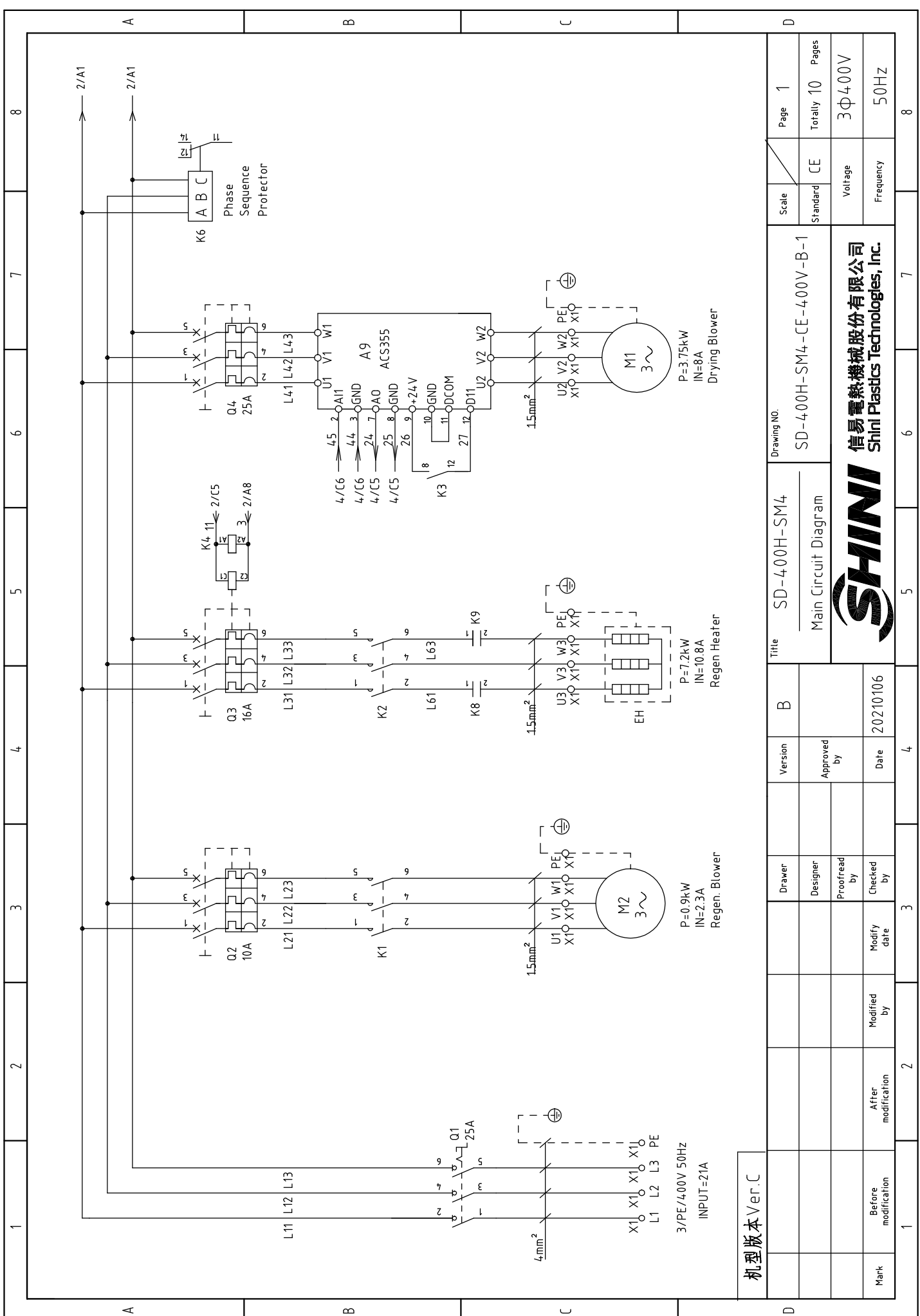
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No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark																																																							
1	Q1	Main power switch	EATON	TO-2-1/EA/SVB	20A	1	YE10021160000																																																								
2	Q2	Circuit breaker	TECO	BM-63C/3006S	6A	1	YE40300603000																																																								
3		Release	YIJIN	MX	AC24V	1	YE40024000000																																																								
4	Q3 Q4	Circuit breaker	TECO	BM-63C/3010S	10A	2	YE40301003000																																																								
5	Q5	Circuit breaker	TECO	BM-63C/2003S 2P	3A	1	YE40200203000																																																								
6	Q6	Circuit breaker	TECO	BM-63C/1006S 1P	6A	1	YE40100600100																																																								
7	Q7 Q8	Circuit breaker	TECO	BM-63C/1003S 1P	3A	2	YE40100203000																																																								
8	K1 K2	Contactors	SIEMENS	3RT6015-1AB01	AC24V 50/60Hz	2	YE00601502500																																																								
9	K3	Middle relay	HONEYWELL	GR-4C-DC24V	DC24V	1	YE03042400500																																																								
10	K4	Middle relay	HONEYWELL	GR-2C-AC24V	AC24V 50/60Hz	1	YE03022400300																																																								
11	K5	Middle relay	HONEYWELL	DRM270024LT	DC24V	1	YE03272400000																																																								
12	K6	Phase sequence protector	CHAOSHI	ABJ2-12W/380V	400V 50/60Hz	1	YE03103800000																																																								
13	K8 K9	Solid-state relay	FOTEK	KSR-40DA-H	40A/480VAC/4-32VDC	2	YE03404003200																																																								
14	T	Mutual transformer	JIUXIN	IN=400V OUT=230V/24V	800mA/230VA	1	YE70040004100																																																								
15	A1	PLC programmable controller	SIEMENS	CPU ST60 DC/DC/DC	24VDC	1	YE90662000100																																																								
16	A2	Thermocouple module	SIEMENS	EM AT04	24VDC	1	YE82000400300																																																								
17	A3	Extension module	SIEMENS	EM AE04	24VDC	1	YE82000400100																																																								
18	A4	Extension module	SIEMENS	EM AM06	24VDC	1	YE90420600000																																																								
19	A5	Extension module	SIEMENS	EM AQ04	24VDC	1	YE82000400200																																																								
20	A6	Extension module	SIEMENS	SB CM01	24VDC	1	YE90048501300																																																								
21	A8	Human machine interface	SIEMENS	SMART 1000	24VDC	1	YE80024000000																																																								
22	A9	Frequency inverter	ABB	ACS355-03E-04A1-4	400V 0.75kW	1	YE75350300100																																																								
23		Frequency controller	ABB	J404	----	1	YE81040400000																																																								
24	U	DC Power	---	S-100-24	OUT=DC24V 4.5A	1	YE71102400000																																																								
25	H1	Alarm indicator	SHINI	SWI-P-AC/DC24(三色优先级)	24V AC/DC	1	BL90002401520	(1)																																																							
机型版本 Ver.D																																																															
Notes: (1)Means it's not the material inside the control box. (2) Dew-point transmitter;																																																															
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Title		Drawing No.		Scale		Page																																																									
SD-200H-SM4		SD-200H-SM4-CE-4.00V-B-9		Standard		CE																																																									
Elec. Parts List 1				Voltage		3Φ400V																																																									
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				Pages		8																																																									
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Drawer	Version	B																																																													
Designer	Approved by																																																														
Proofread by	Date	20201231																																																													
Checked by	Modify date																																																														
Mark	Before modification	Modified by	Modified date																																																												



1		2		3		4		5		6		7		8	
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
26	S4	Overheat protector	TONGBAO	WR-A-50-300-1000-3	250V 5(A)	1	----	(1)							
27	S5	Micro switch	----	----	----	1	----	(1)							
28	S6 S7	Thermocouple	SHINI	K TYPE	----	2	----	(1)							
29	S10	Dew-point transmitter	VAISALA	DMT141	POWER=24VDC 4-20mA	1	YE90014100100	(1) (2)							
30	S12	Communication interface board RS-485 (double Dsub-9pin connector)	YUYUN	----	----	1	YE90048501200								
31		Shell RS485(SAL-700G-A-19)ver.0	BINCHEG	----	----	1	YR400485000000								
32		Super-5 network jumper	----	2M	BA	1	YE90000201600								
33	X1 X2 X3	Terminal Board	HONEYWELL	SK4.0	4.0mm ²	14	YE60000403200								
34		Terminal Board	HONEYWELL	GK4.0	4.0mm ² PE	4	YE60000403500								
35		Terminal Board	HONEYWELL	SK2.5	2.5mm ²	4-5	YE60002503200								
36		Terminal fittings	HONEYWELL	E	GK	5	YE60000003900								
37	X4	Heavy-duty connector	HARTING	5P+PE(plug+socket)Han	Q5/0-M/F(without PG11)	1	YE68000501200	(1)							
38	X13 X23 X33 X43	Heavy-duty connector	HARTING	10P+PE(plug+socket) Han	E-10M/F(without PG16)	4	YE68001001300	(1)							
39	FM	Fan	SHINI	----	24V 50/60Hz	1	----	(1)							
40	M1	Drying blower	SHINI	----	400V 50Hz 1.5kW	1	----	(1)							
41	M2	Regen. blower	SHINI	----	400V 50Hz 0.4kW	1	----	(1)							
42	EH	Heater	SHINI	----	400V 50Hz 4KW	1	----	(1)							
C															
D															
机型版本 Ver.D															
Notes: (1)Means it's not the material inside the control box. (2) Dew-point option;															
		Drawer		Version		B		Title		SD-200H-SM4		Drawing No.		Page 10	
		Designer		Approved by				Elec. Parts List 2		SD-200H-SM4-CE-400V-B-9		Standard		CE	
		Proofread by		Date		20201231						Voltage		3Φ400V	
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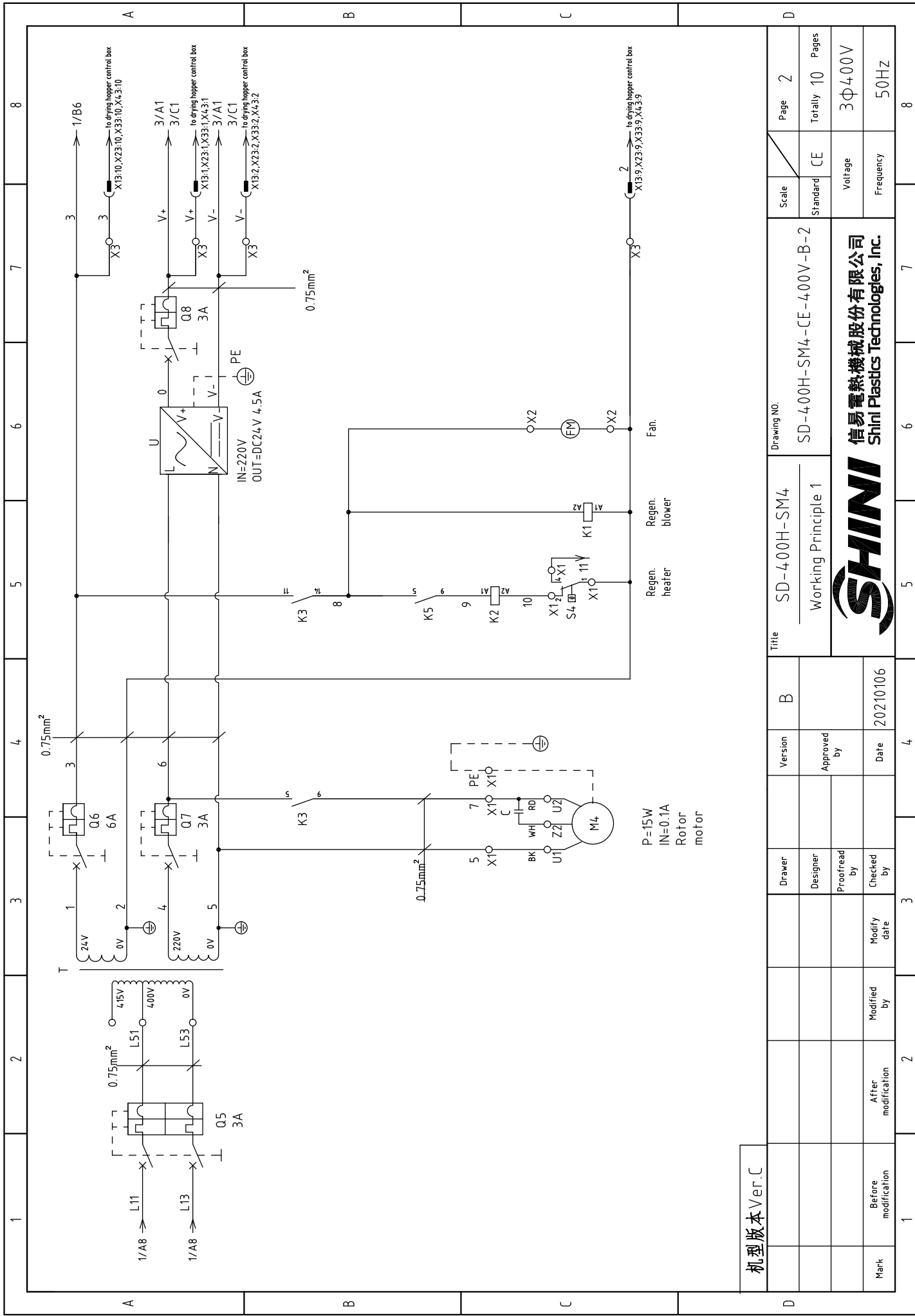


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Shini Plastics Technologies, Inc.



机型版本 Ver.C

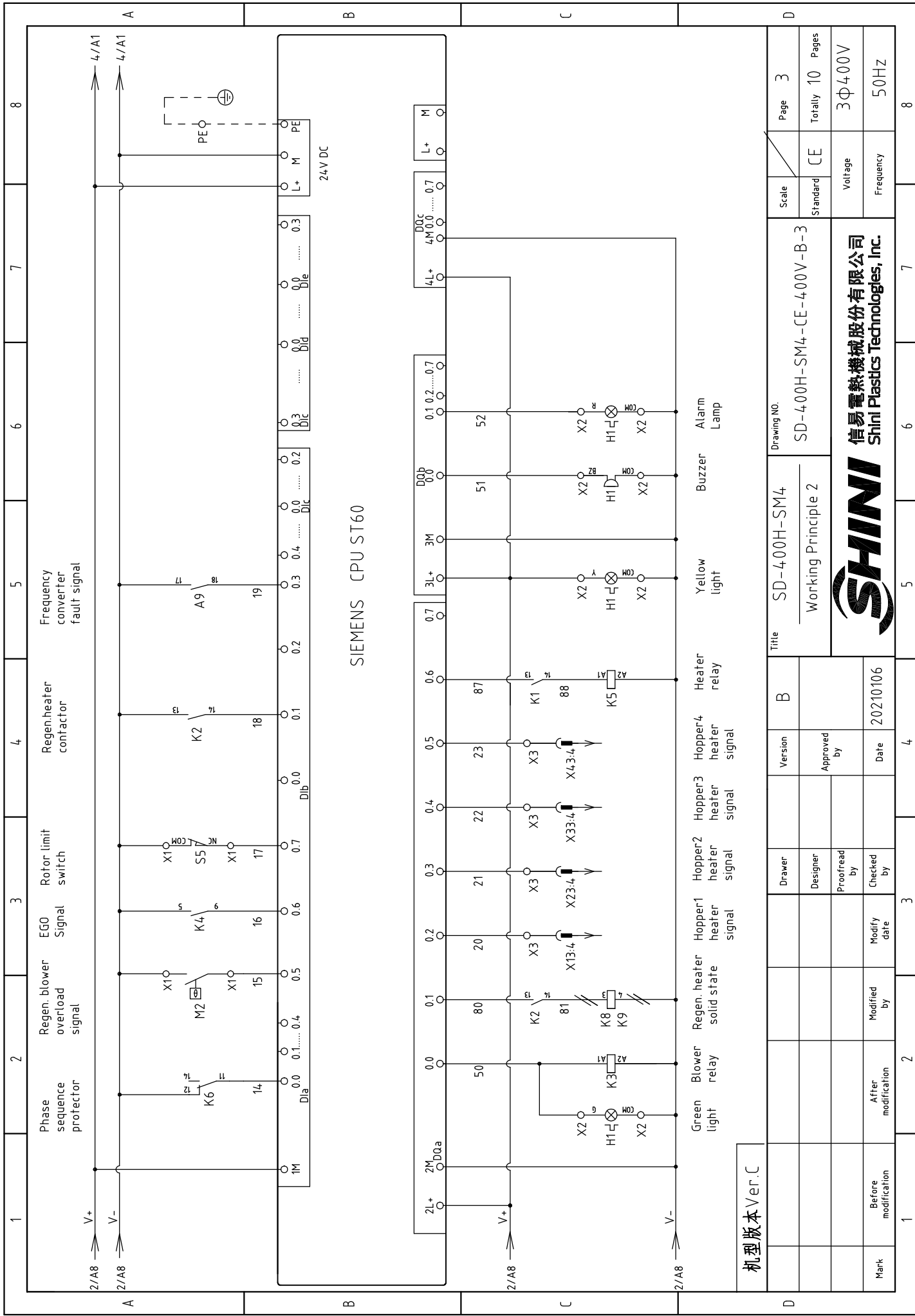
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SD-400H-SM4										CE	Voltage	3Φ400V
Main Circuit Diagram										Frequency	50Hz	
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.										SD-400H-SM4-CE-400V-B-1		
SHINI										8		



机型版本 Ver.C

D	Scale	CE	Page 2	8
	Standard	CE	Totally 10 Pages	
C	Voltage		3Φ 400V	
	Frequency		50Hz	
B	Drawing NO.		SD-400H-SM4-CE-400V-B-2	
	Title		Working Principle 1	
A	Version	Approved by	Date	
	Drawer	Designer	Proofread by	Checked by
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	Before modification	Modified by	Modify date	

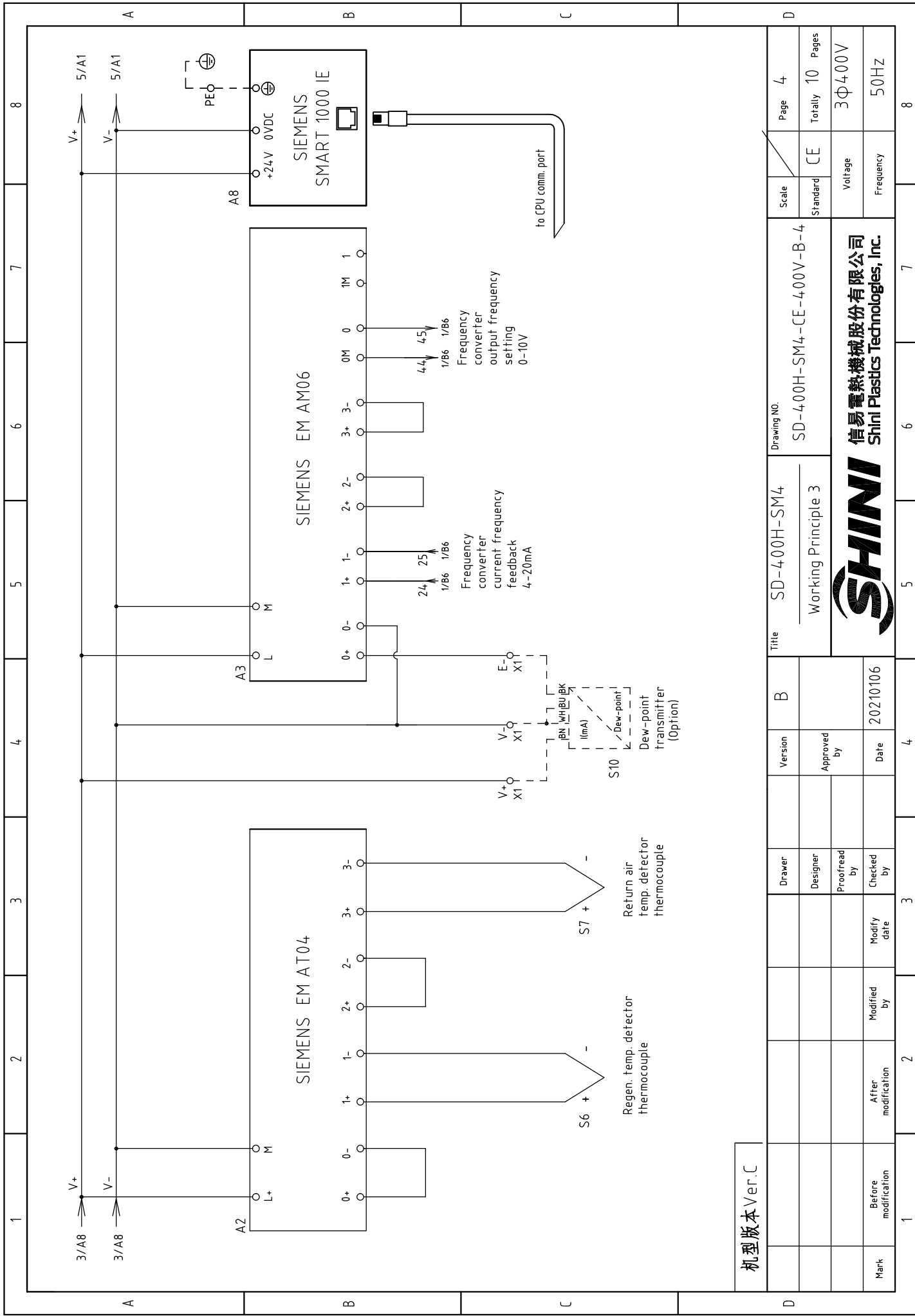




机型版本 Ver.C

Title		SD-400H-SM4		Drawing NO.		SD-400H-SM4-CE-400V-B-3		Page 3	
Version		B		Standard		CE		Totally 10 Pages	
Approved by				Voltage		3φ400V		Frequency	
Date		20210106		Frequency		50HZ			
Modified by				Voltage		3φ400V		Frequency	
After modification				Frequency		50HZ			
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Mark				Frequency		50HZ			

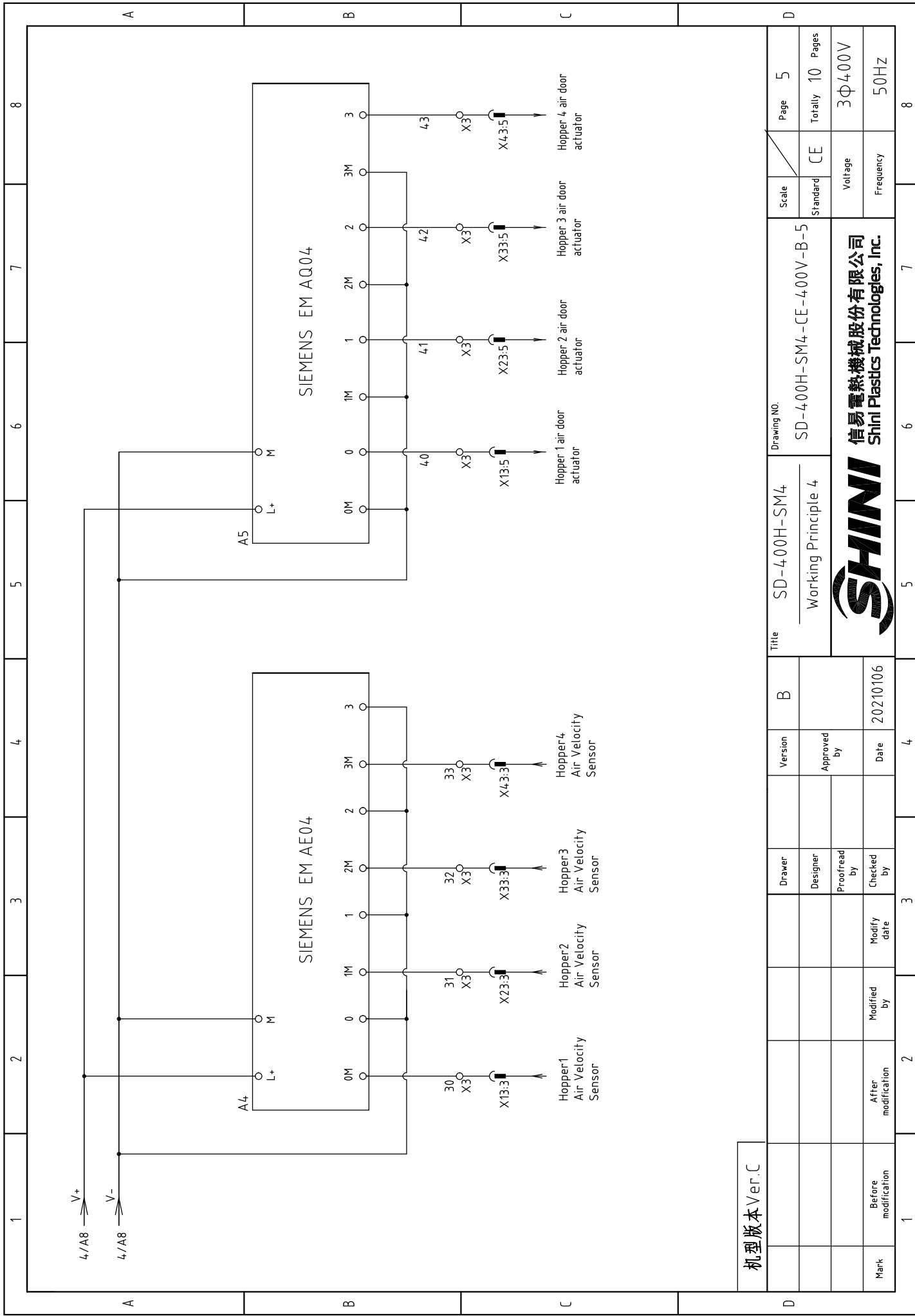




机型版本 Ver.C

Title	SD-400H-SM4		Drawing NO.	SD-400H-SM4-CE-400V-B-4		Scale	Page 4	
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Version			Date	20210106		Voltage	3Φ400V	
Approved by				Checked by			Frequency	50HZ
Drawer			Modify date					After modification
Designer				Proofread by			Before modification	
Proofread by								
Mark								



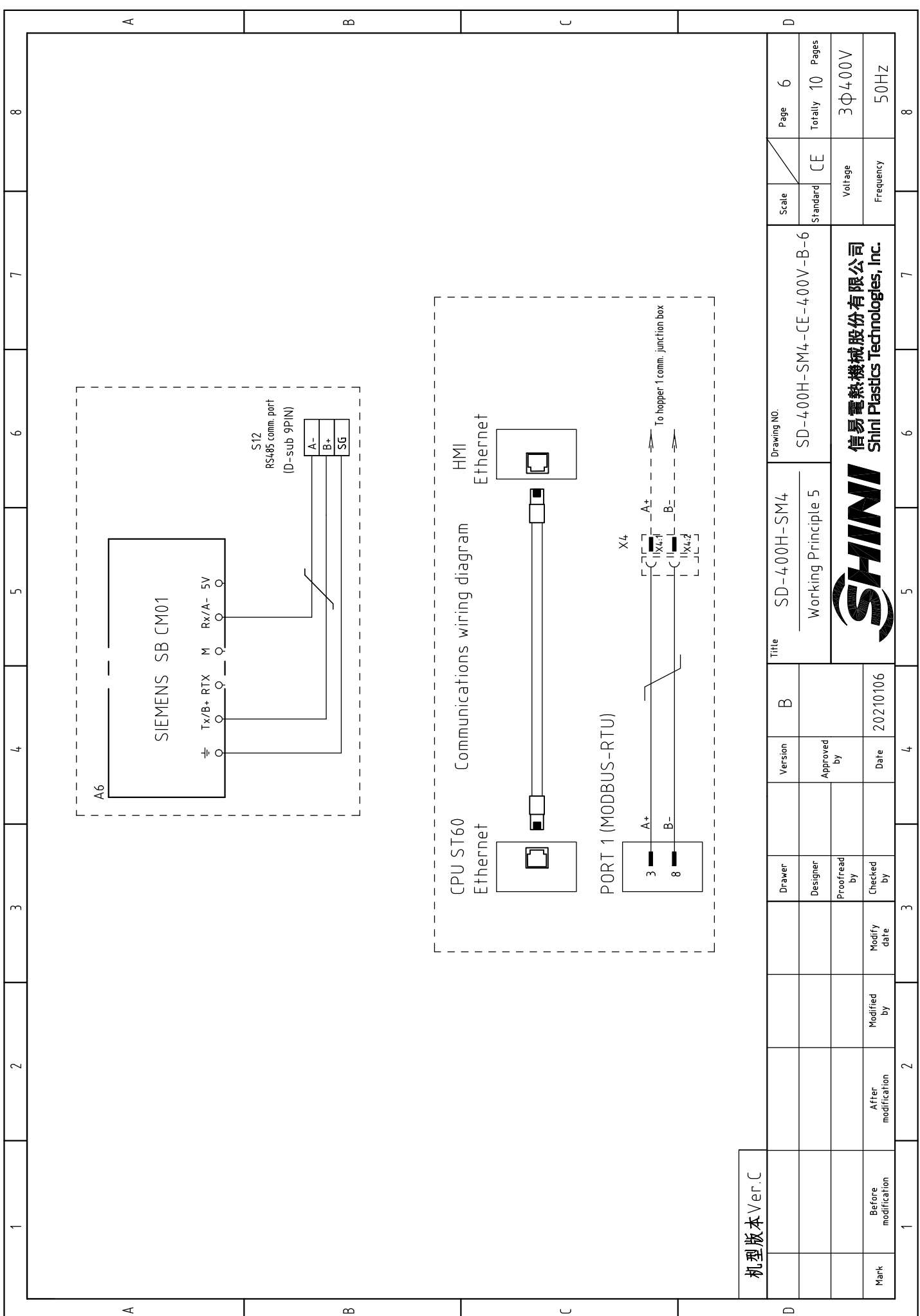


机型版本 Ver C

Mark	Before modification	Modified by	Modify date	Checked by	Date
					20210106
	After modification	Modified by	Modify date	Checked by	
		Proofread by		Approved by	
		Designer			
		Drawer		Version	B

Title		SD-400H-SM4		Drawing NO.	
Working Principle 4		SD-400H-SM4-CE-400V-B-5		Scale	
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				Frequency	
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				50HZ	

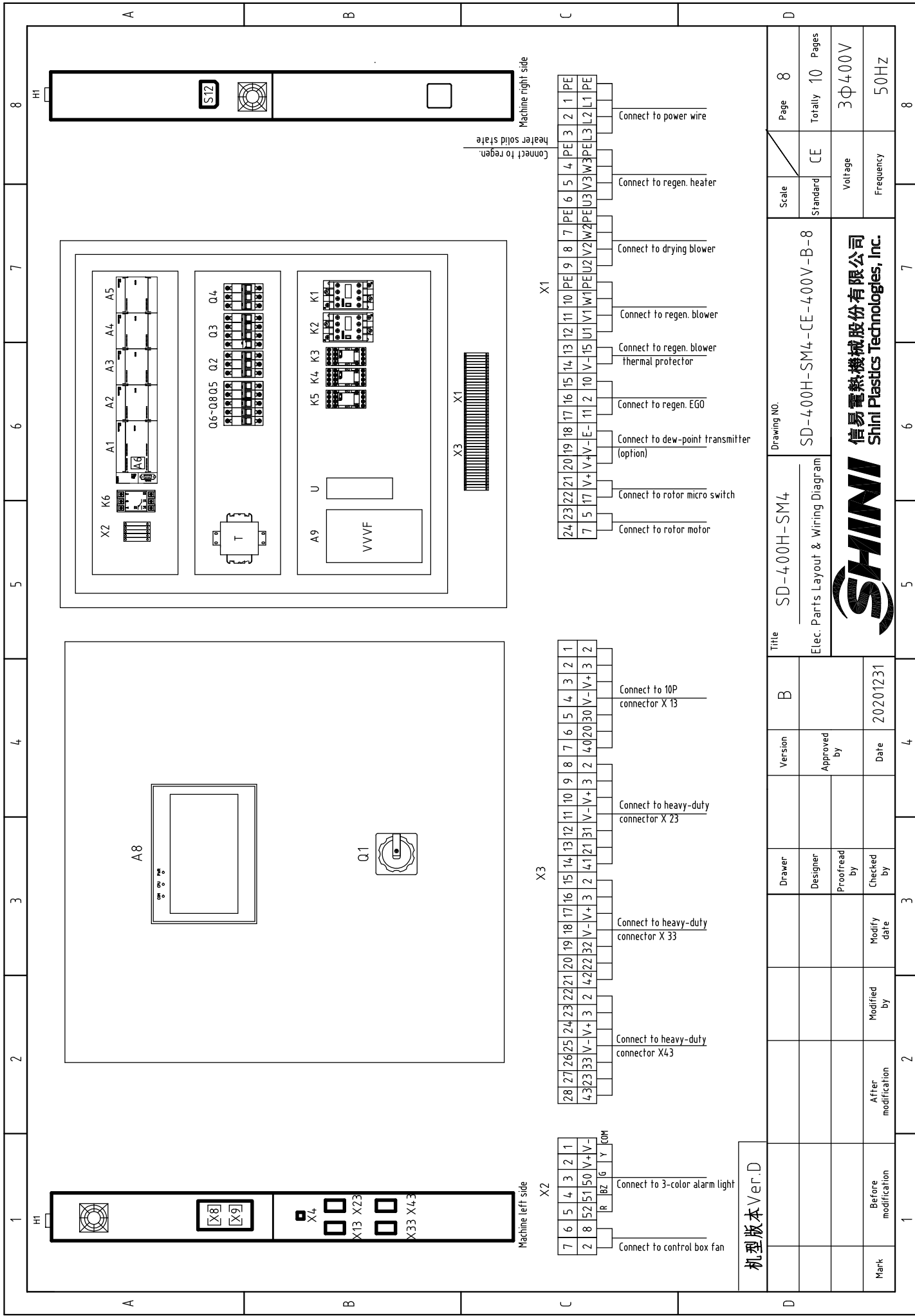




机型版本 Ver.C

Title	SD-400H-SM4	Version	B	Drawer	Designer	Proofread by	Checked by	Modify date	After modification	Modified by	Date	20210106	Approved by	Working Principle 5	Drawing NO.	SD-400H-SM4-CE-400V-B-6	Scale	CE	Page	6
	Totally		10													Pages		3Φ400V		50Hz
Mark	Before modification	Modified by	1	2	3	4	5	6	7	8	Voltage		Frequency		3Φ400V		50Hz			






机型版本 Ver.D

Title	SD-400H-SM4		Drawing NO.		SD-400H-SM4-CE-400V-B-8		Scale	Page 8
	Elec. Parts Layout & Wiring Diagram		Version		Approved by		Standard	Totally 10 Pages
Mark	Before modification	After modification	Modify date	Checked by	Proofread by	Designer	Drawer	Voltage 3Φ400V
20201231								Frequency 50HZ

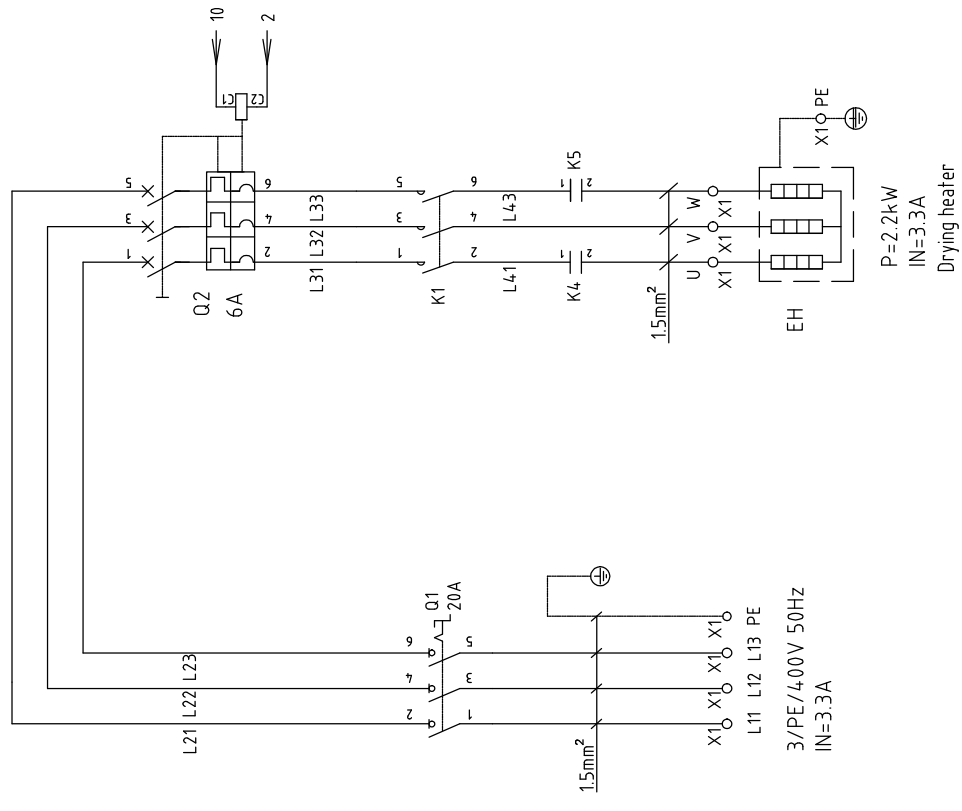


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NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
1	Q1	Main power switch	EATON	P1-25/EA/SVB/25A	25A	1	YE10125250000								
2	Q2	Circuit breaker	TECO	BM-63C/3010S	10A	1	YE403010030000								
3		Release	YIJIN	MX	AC24V	1	YE400240000000								
4	Q3	Circuit breaker	TECO	BM-63C/3016S	16A	1	YE403016030000								
5	Q4	Circuit breaker	TECO	BM-63C/3025S	25A	1	YE403025030000								
6	Q5	Circuit breaker	TECO	BM-63C/2003S 2P	3A	1	YE402002030000								
7	Q6	Circuit breaker	TECO	BM-63C/1006S 1P	6A	1	YE401006001000								
8	Q7 Q8	Circuit breaker	TECO	BM-63C/1003S 1P	3A	2	YE401002030000								
9	K1 K2	Contactors	SIEMENS	3RT6015-1AB01	AC24V 50/60Hz	2	YE006015025000								
10	K3	Middle relay	HONEYWELL	GR-4C-DC24V	DC24V	1	YE030424005000								
11	K4	Middle relay	HONEYWELL	GR-2C-AC24V	AC24V 50/60Hz	1	YE030224003000								
12	K5	Middle relay	HONEYWELL	DRM270024LT	DC24V	1	YE032724000000								
13	K6	Phase sequence protector	CHAOSHI	ABJ2-12W/380V	400V 50/60Hz	1	YE031038000000								
14	K8 K9	Solid-state relay	FOTEK	KSR-40DA-H	40A/480VAC/4-32VDC	2	YE034040032000								
15	T	Mutual transformer	JIUXIN	IN=400V OUT=230V/24V	800mA/230VA	1	YE700400041000								
16	A1	PLC programmable controller	SIEMENS	CPU ST60 DC/DC/DC	24VDC	1	YE906620001000								
17	A2	Extension module	SIEMENS	EM A T04	24VDC	1	YE820004-003000								
18	A3	Extension module	SIEMENS	EM AE04	24VDC	1	YE820004-001000								
19	A4	Extension module	SIEMENS	EM AM06	24VDC	1	YE904206000000								
20	A5	Extension module	SIEMENS	EM A004	24VDC	1	YE820004-002000								
21	A6	Extension module	SIEMENS	SB CM01	24VDC	1	YE900485013000								
22	A8	Human machine interface	SIEMENS	SMART 1000	24VDC	1	YE800240000000								
23	A9	Frequency inverter	ABB	ACS355-03E-08A8-4	400V 4kW	1	YE750884-002000								
24		Frequency controller	ABB	J404	----	1	YE810404000000								
25	U	DC Power	---	S-100-24	OUT=DC24V 4.5A	1	YE711024000000								
机型版本 Ver.C															
Notes: (1)Means it's not the material inside the control box. (2) Dew-point transmitter;															
		Drawer	Designer	Proofread by	Checked by	Modify date	Modified by	After modification							
		Version	Approved by	Date											
		B													
		Title SD-400H-SM4													
		Elec. Parts List 1													
		Drawing NO. SD-400H-SM4-CE-400V-B-9													
		Scale													
		Standard	CE												
		Voltage		3Φ400V											
		Frequency		50HZ											
		Page	9												
		Totally	10												
		Pages													
		8													
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1		2		3		4		5		6		7		8	
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark							
26	S4	Overheat protector	TONGBAO	WR-A-50-300-1000-3	250V 5(4)A	1	----	(1)							
27	S5	Micro switch	----	----	----	1	----	(1)							
28	S6 S7	Thermocouple	SHINI	K TYPE	----	2	----	(1)							
29	S10	Dew-point transmitter	VAISALA	DMT141	POWER=24VDC 4-20mA	1	YE90014,100100	(1) (2)							
30	S12	Communication interface board RS-485 (double Dsub-9pin connector)	YUYUN	----	----	1	YE9004,8501200								
31		Shell RS485(SAL-700G-A-19)ver.0	BINCHENG	----	----	1	YR4,004,8500000								
32		Super-5 network jumper	----	2M	BA	1	YE900000201600								
33	X1 X2 X3	Terminal Board	HONEYWELL	SK4.0	4.0mm ²	14	YE600004,03200								
34		Terminal Board	HONEYWELL	GK4.0	4.0mm ² PE	4	YE600004,03500								
35		Terminal Board	HONEYWELL	SK2.5	2.5mm ²	45	YE600002503200								
36		Terminal fittings	HONEYWELL	E	GK	5	YE60000003900								
37	X4	Heavy-duty connector	HARTING	5P+PE(plug+socket)Han	Q5/0-M/F(without PG11)	1	YE68000501200	(1)							
38	X13 X23 X33 X43	Heavy-duty connector	HARTING	10P+PE(plug+socket) Han	E-10M/F(without PG16)	4	YE68001001300	(1)							
39	FM	Fan	SHINI	----	24V 50/60Hz	1	----	(1)							
40	M1	Drying blower	SHINI	----	400V 50Hz 1.5kW	1	----	(1)							
41	M2	Regen. blower	SHINI	----	400V 50Hz 0.4kW	1	----	(1)							
42	EH	Heater	SHINI	----	400V 50Hz 4KW	1	----	(1)							
43	H1	Alarm indicate lamp	SHINI	SWI-P-AC/DC24(3-color piriorty)	24V AC/DC	1	BL900024,01520	(1)							
C															

机型版本 Ver.C		Notes: (1)Means it's not the material inside the control box. (2) Dew-point option;													
		Drawer		Version		B		Title		Drawing NO.		Scale		Page	
		Designer		Approved by		Date		SD-400H-SM4 Elec. Parts List 2		SD-400H-SM4-CE-400V-B-10		Standard		Page	
		Proofread by		Checked by		20210106		SHINI		Voltage		CE		Totally 10 Pages	
Mark		After modification		Modified by		Modify date		信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Frequency		3Φ400V		50Hz	
1		2		3		4		5		6		7		8	

1 2 3 4 5 6 7 8



机型版本 Ver.A

Mark	Before modification	Modified by	Modify date	Checked by	Date	Approved by	Version	0	Title	MHD-20U	Drawing NO.	MHD-20U-CE-400V-0-1	Scale	CE	Page 1	Totally 4	Pages	
	After modification	Modified by	Modify date															
<p>信易电热机械股份有限公司 Shini Plastics Technologies, Inc.</p>													Standard	Voltage	3Φ400V			
													Frequency	50HZ				
													Page 1		Totally 4		Pages	

1

2

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4

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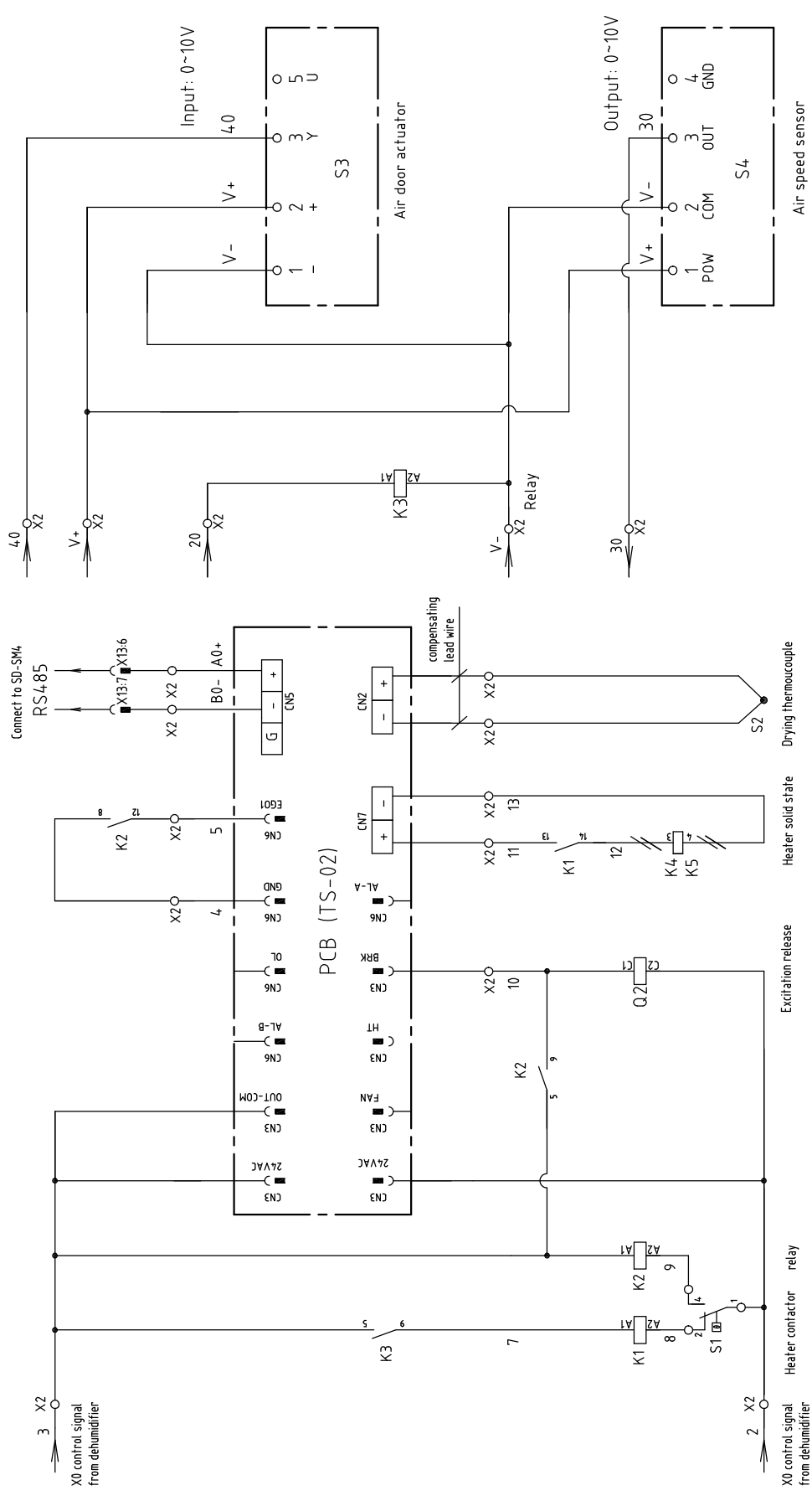
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A

B

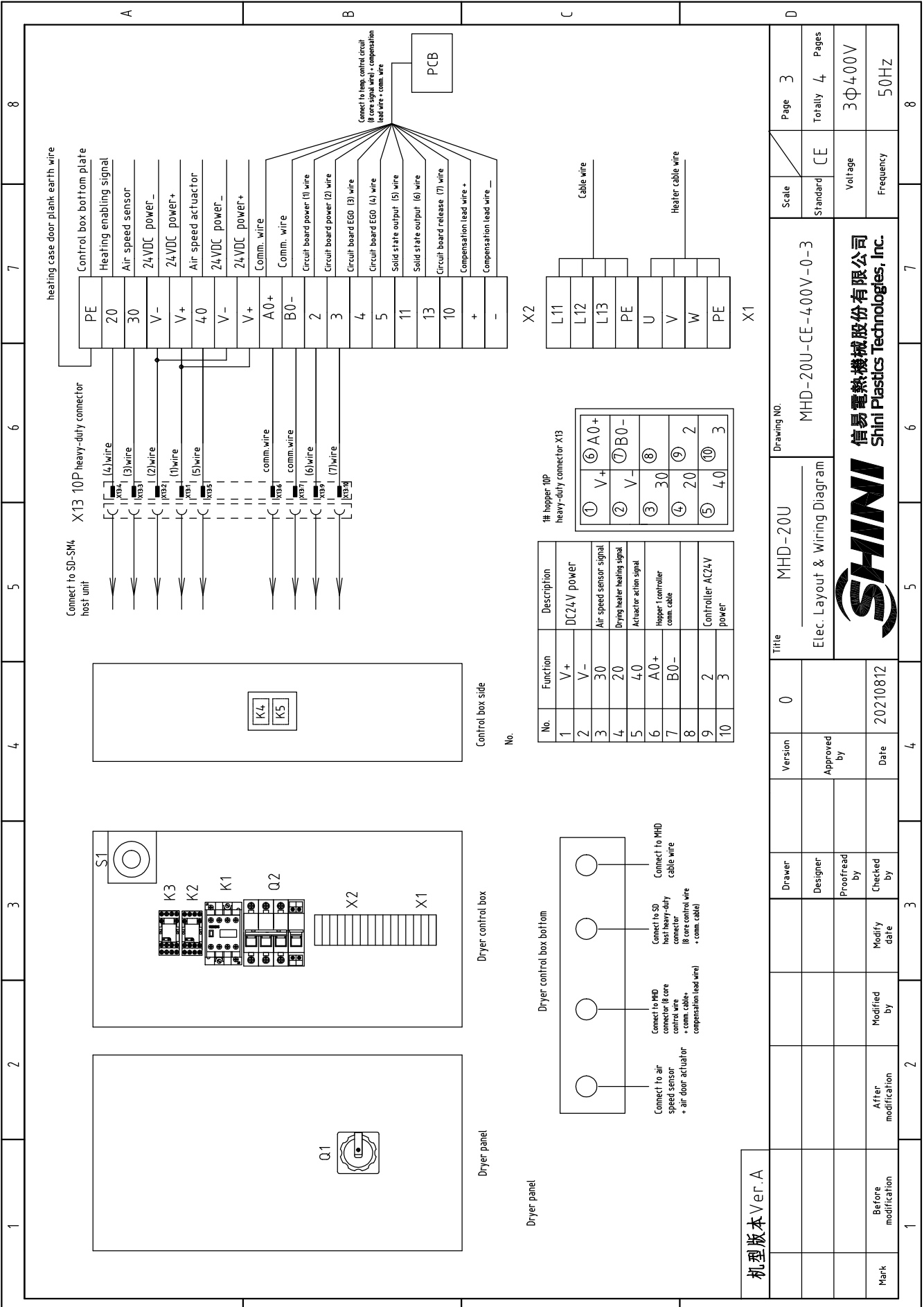
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D



机型版本 Ver. A

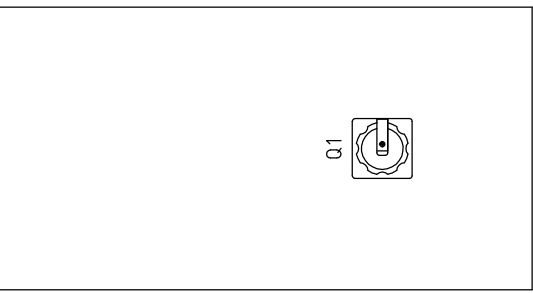
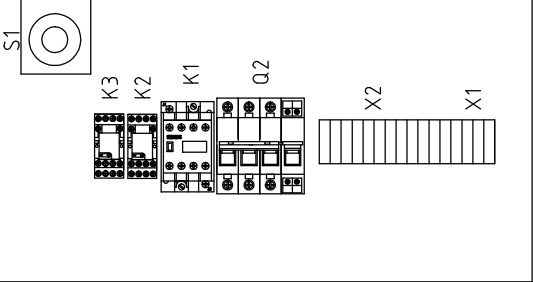
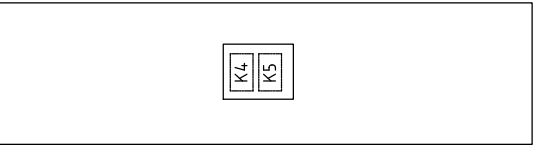
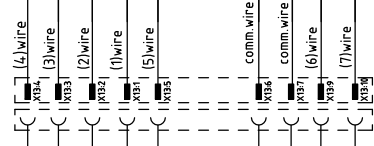
Mark	Before modification	Modified by	Modify date	Checked by	Date	20210812	Approved by	Version	0	Title	MHD-20U		Drawing NO.	MHD-20U-CE-400V-0-2		Scale	Page	2
	After modification	Modified by	Modify date	Checked by	Date						Control Circuit Diagram			Standard			CE	
										SHINI		信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V		
										Frequency		50HZ						



heating case door plank earth wire

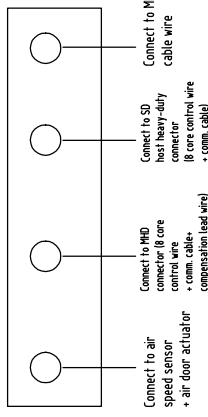
Connect to SD-SM4 host unit

PE	Control box bottom plate
20	Heating enabling signal
30	Air speed sensor
V-	24VDC power-
V+	24VDC power+
4.0	Air speed actuator
V-	24VDC power-
V+	24VDC power+
A0+	Comm. wire
B0-	Comm. wire
2	Circuit board power (1) wire
3	Circuit board power (2) wire
4	Circuit board EGO (3) wire
5	Circuit board EGO (4) wire
11	Solid state output (5) wire
13	Solid state output (6) wire
10	Circuit board release (7) wire
+	Compensation lead wire +
-	Compensation lead wire -



Dryer panel

Dryer control box bottom

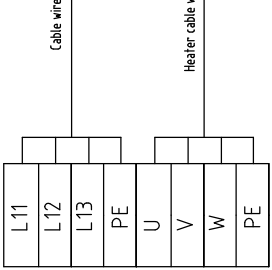


10P hopper 10P heavy-duty connector X13

①	V+	⑥	A0+
②	V-	⑦	B0-
③	30	⑧	
④	20	⑨	2
⑤	4.0	⑩	3

No.	Function	Description
1	V+	DC24V power
2	V-	
3	30	Air speed sensor signal
4	20	Drying heater heating signal
5	4.0	Actuator action signal
6	A0+	Hopper 1 controller comm. cable
7	B0-	
8		
9	2	Controller AC24V power
10	3	

X2



机型版本 Ver. A

Mark	Before modification	Modified by	Modify date	Checked by	Date	20210812
	After modification	Proofread by		Approved by		
		Designer		Version	0	
		Drawer		Title	MHD-20U	
				Drawing NO.	MHD-20U-CE-400V-0-3	
				Scale	CE	Page 3
				Standard		Totally 4 Pages
				Voltage	3Φ400V	
				Frequency	50Hz	

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

A B C D

- Ⓐ Main power wire dia. Ⓒ Drying heater breaker Ⓔ Heater power
- Ⓑ Main power switch Ⓓ Heater wire dia. Ⓕ Heater current

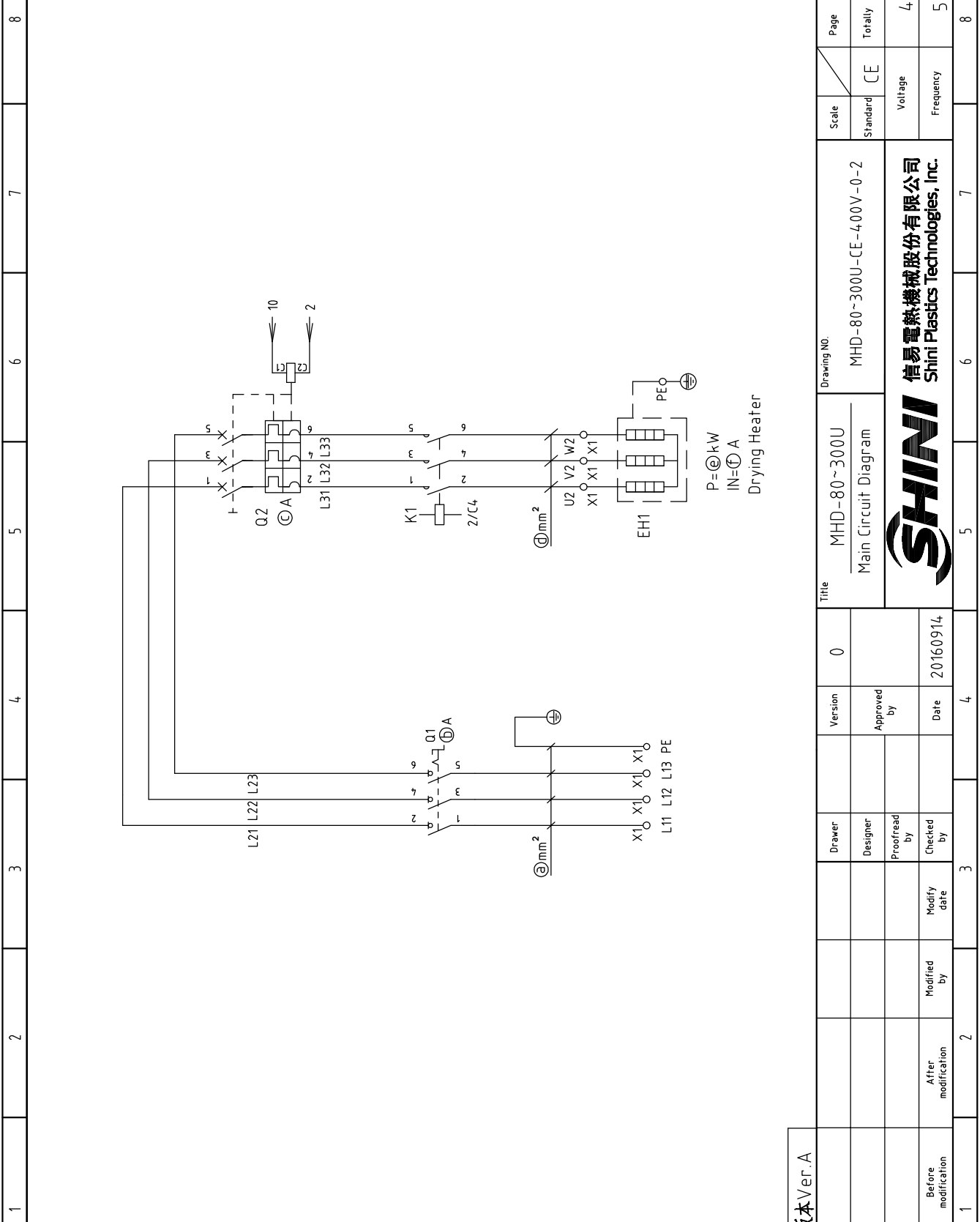
Mode	Symbol	Ver.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ
MHD-80U		Ver.A	2.5	16	10	2.5	3.9	5.9
MHD-120U		Ver.A	2.5	16	10	2.5	3.9	5.9
MHD-160U		Ver.A	2.5	16	16	2.5	6.0	9.0
MHD-230U		Ver.A	2.5	16	16	2.5	6.0	9.0
MHD-300U		Ver.A	4.0	25	25	4.0	12.0	18.0

机型版本 Ver.A

Mark	Before modification	Modified by	After modification	Version	0	Title	MHD-80~300U Parameter List of Circuit Diagram	Drawing NO.	MHD-80~300U-CE-400V-0-1	Scale	Page 1
										Standard	CE
										Voltage	400V
										Frequency	50HZ



A B C D

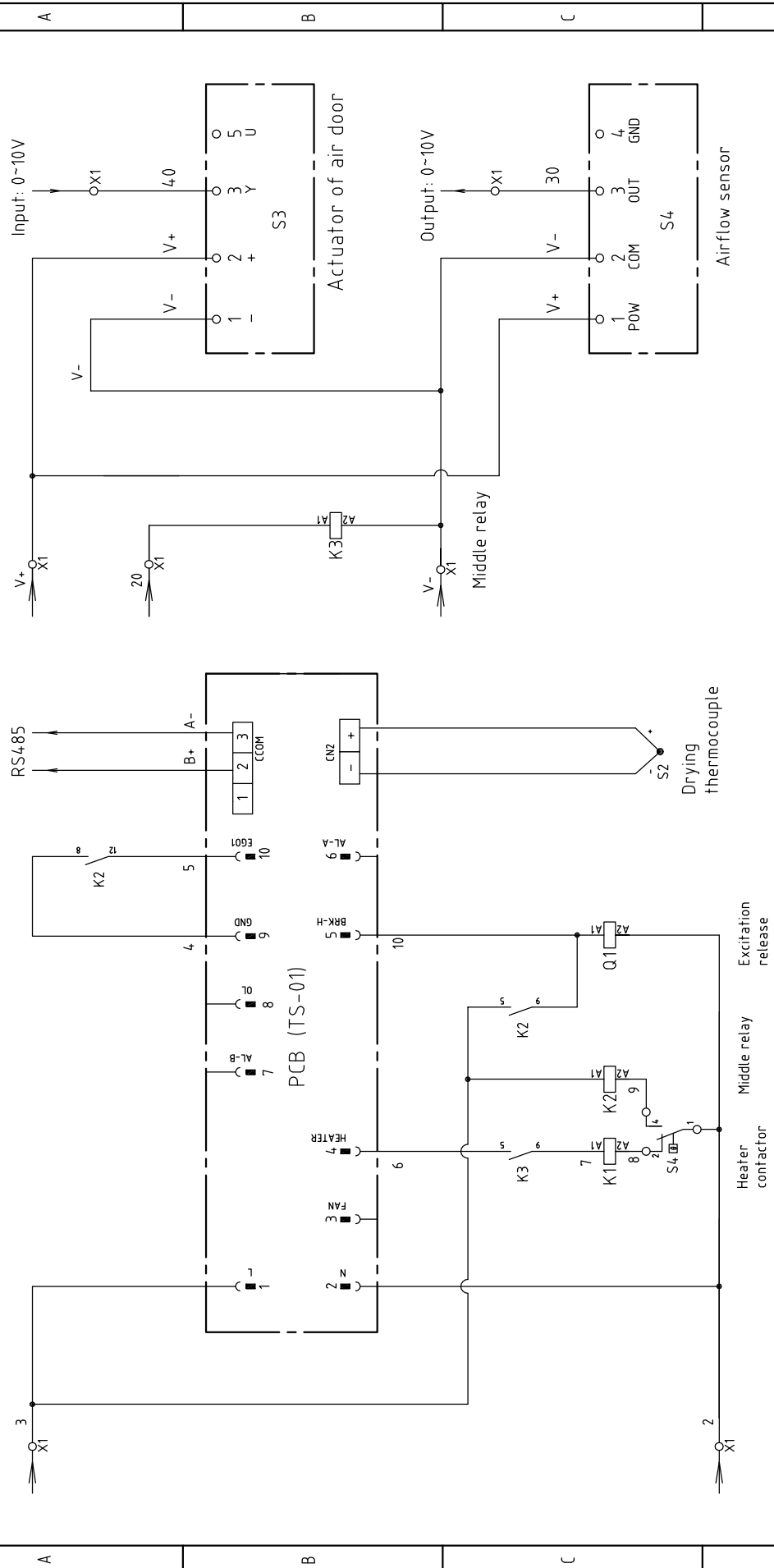


机型版本 Ver.A

D	Title	MHD-80~300U	Version	0	Drawing NO.	MHD-80~300U-CE-400V-0-2	Scale	CE	Page	2
		Main Circuit Diagram		Standard		Totally		9		
Mark	Before modification	Modified by	Checked by	Date	Voltage	400V	Frequency	50HZ		
	After modification	Modify date	20160914							
1	2	3	4	5	6	7	8			



Connect to adaptor box
of communication wire

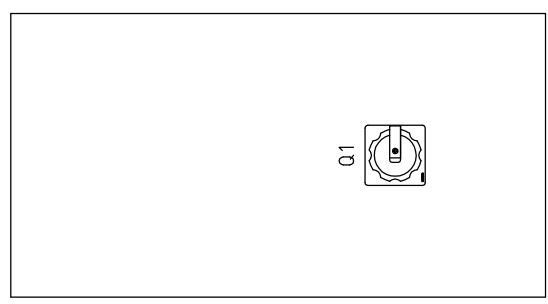
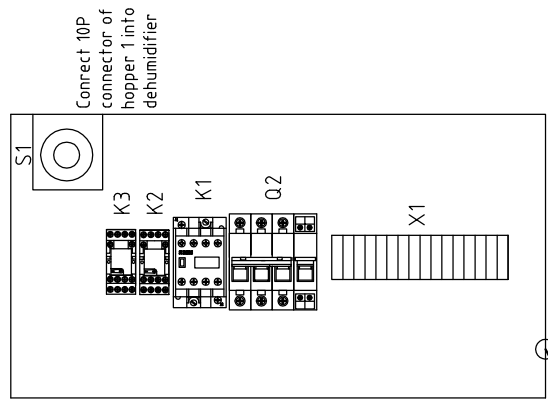
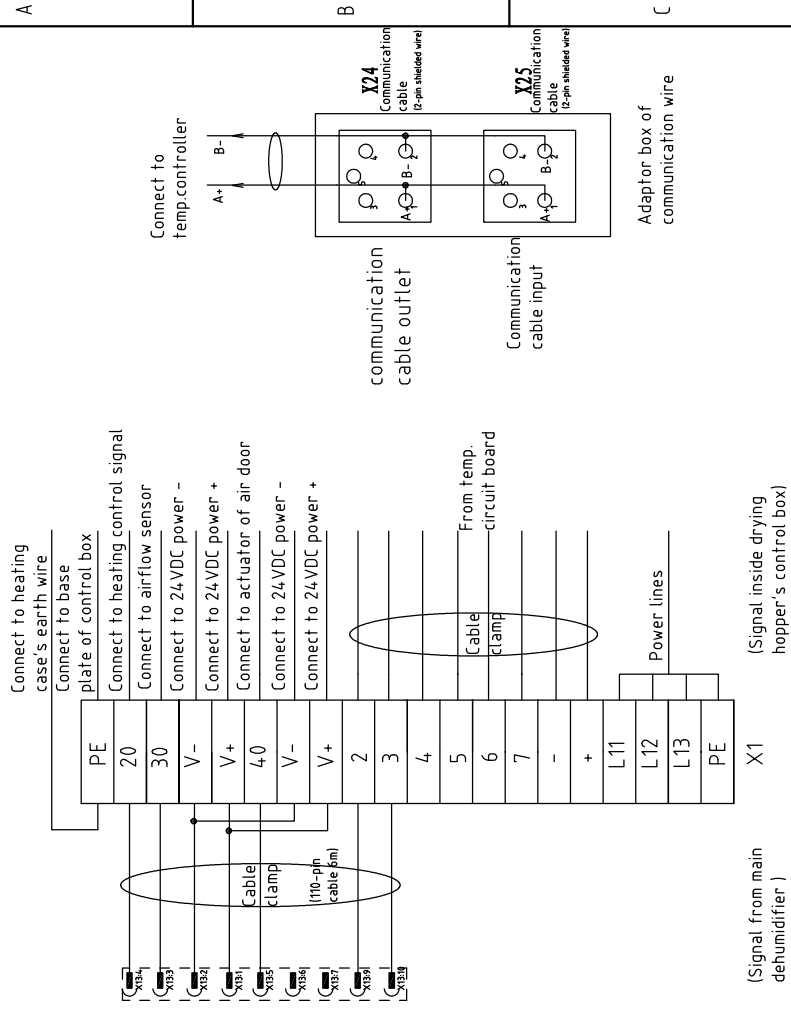


机型版本 Ver.A

D	Title	MHD-80~300U		Drawing NO.		MHD-80~300U-CE-400V-0-3		Scale	Page	3
		Control Circuit Diagram				Standard	CE	Totally	9	Pages
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20160914	Voltage	400V	
								Frequency	50HZ	



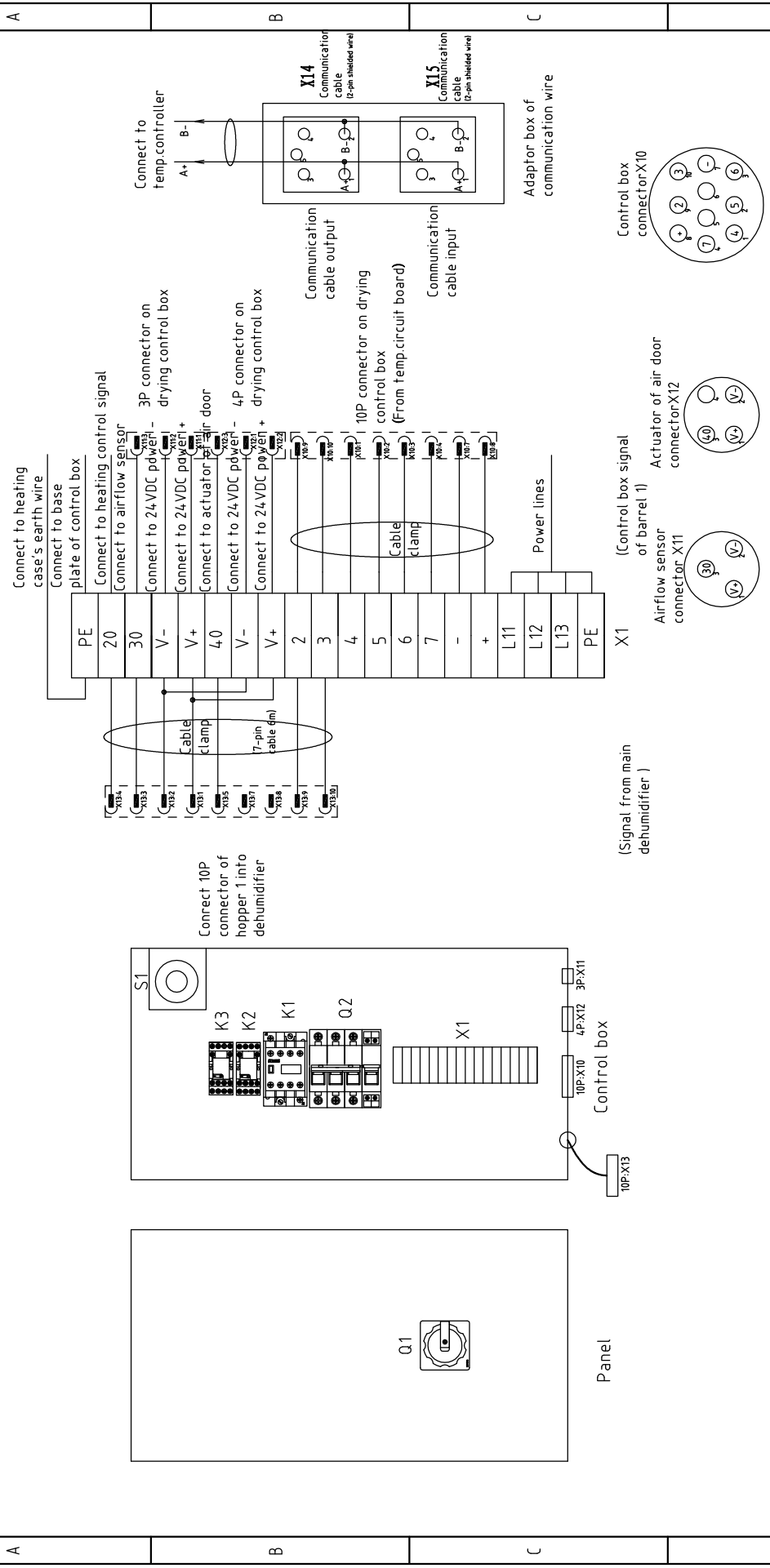
Technical requirements: the heater directly connect to contactor output, disconnect to terminal board.



机型版本 Ver. A		Title MHD-80~160U		Drawing NO. MHD-80-3000U-CE-400V-0-4		Page 4	
		Electrical components layout and Terminal connection diagram		Standard CE		Totally 9 Pages	
		Version 0		Voltage 400V		Frequency 50HZ	
		Approved by		Date 20160914			
		Designer		Checked by			
		Proofread by		Modify date			
		After modification		Modified by			
Mark		Before modification		1		2	
				3		4	
				5		6	
				7		8	



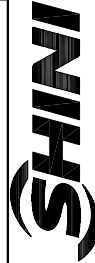
Technical requirements: the heater directly connect to contactor output, disconnect to terminal board.



Drawing NO.		MHD-230U/300U		Page 5	
Title		Electrical components layout and Terminal connection diagram		Standard CE	
Version		0		Voltage 400V	
Designer		Proofread by		Frequency 50HZ	
Checked by		Date 20160914		Totally 9 Pages	
Modified by		Modify date		Adaptor box of communication wire	
After modification		Before modification		Communication cable (12-pin shielded wire)	
Mark		1		2	
3		4		5	
6		7		8	



1	2		3	4	5	6	7	8
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main Switch	MOLLER	TO-2-1/EA/SVB/16A	16A 3P 690V 50/60Hz	1	YE10021160000	
2	Q2	Circuit-breaker	TECO	BM-63C/3010S	10A 3P	1	YE40301003000	
3		Excitation release	CHINT	MX	230V 50/60Hz	1	YE40023560000	A
4	K1	Contact	SIEMENS	3RT6018-1AN21	16A 3P 230V 50/60Hz	1	YE00601800000	
5	K2	Middle relay	WEIDMULLER	DRM270730LT	230V 50/60Hz	1	YE03270700000	
6	K3	Middle relay	WEIDMULLER	DRM270024LT	24V DC	1	YE03272400000	
7	PCB-01	PCB	YUYUN	TS-01	230V 50/60Hz	1	YE80000100500	
8	S1	Temperature protector	EGO	--	115-320 °C	1	BH90115000150	
9	S2	Thermocouple	SHINI	K TYPE	--	1	----	(1)
10	S3	Air door actuator	BELIMO	LMU24-SR	24VDC	1	----	(1)
11	S4	Airflow sensor	KEENYODA	KYD26-FSF6E5T10L05	24VDC	1	----	(1)
12	X1	Terminal	----	--	2.5mm ²	18	YE60002503200	
13		Terminal board	----	--	2.5mm ² PE	2	YE60002503400	
14	X24,X25	Heavy duty plug-in	SIBAS	HDC-HQ-005-M/F	5P 10A	2	YE68000500000	
15	EH1	Heater	SHINI	--	3.9kW 400V	1	----	(1)
C								
D								
机型版本 Ver.A				Notes: (1)Means it's not the material inside the control box.				
		Drawer	Version	Title	Drawing NO.		Scale	
		Designer	0	MHD-80/120U	MHD-80-300U-CE-4.00V-0-6		Standard	
		Proofread by	Approved by	Electrical Components List		CE		Page 6
		Checked by	Date			Voltage		Totally 9 Pages
Mark		Modified by	20160914			Frequency		400V
		Modify date						50HZ
1		3		5		7		8



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