


机型版本 Ver.E

D					Drawer		Version	C	Title	SHD-20U Main Circuit Diagram	Drawing NO.	SHD-20U-CE-400V-K-1	Scale	Page	1
					Designer		Approved by						Standard	CE	Totally
					Proofread by		Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage	3φ400V				
	Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency	50Hz				

1

2

3

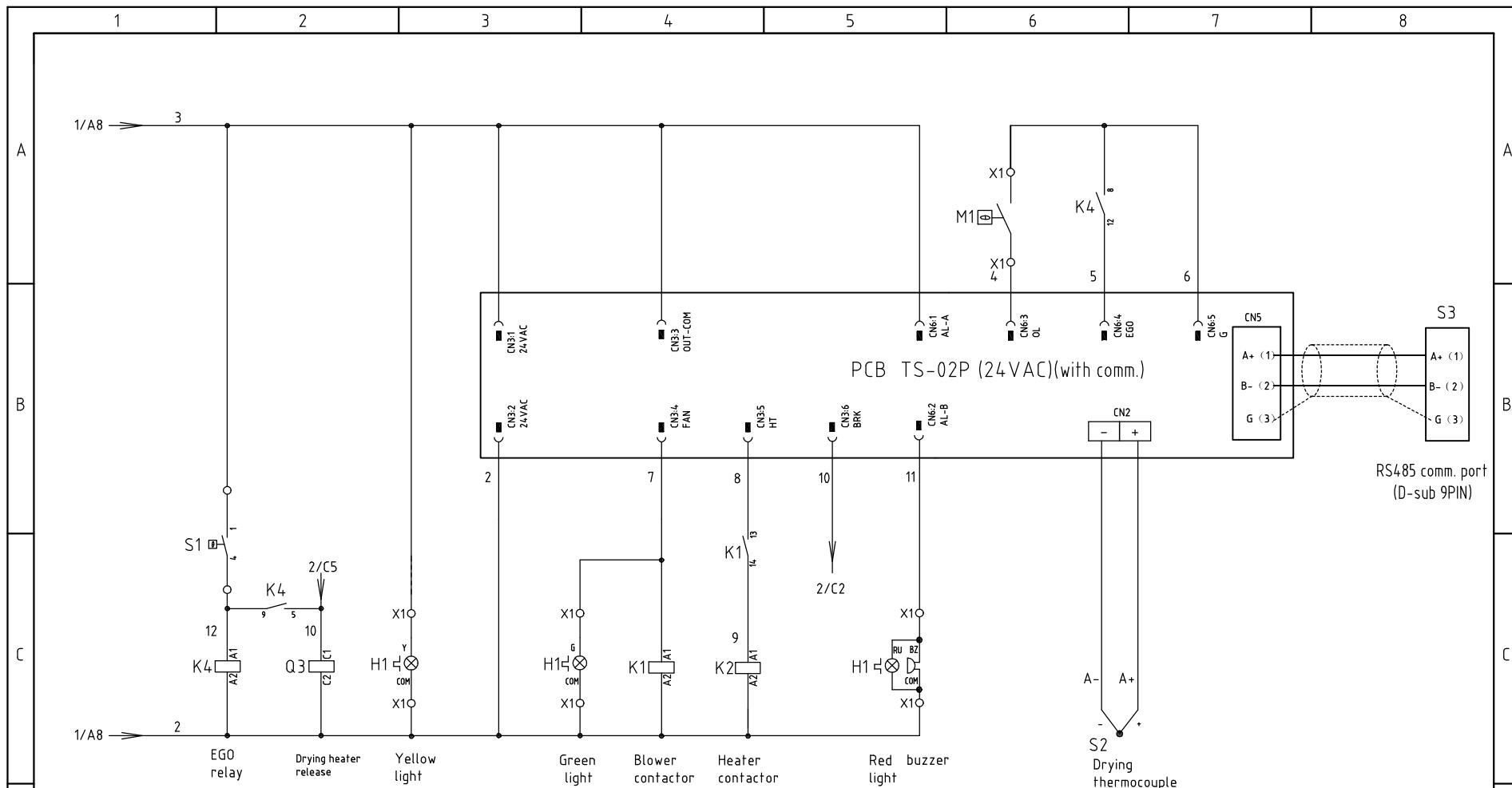
4

5

6


7

8

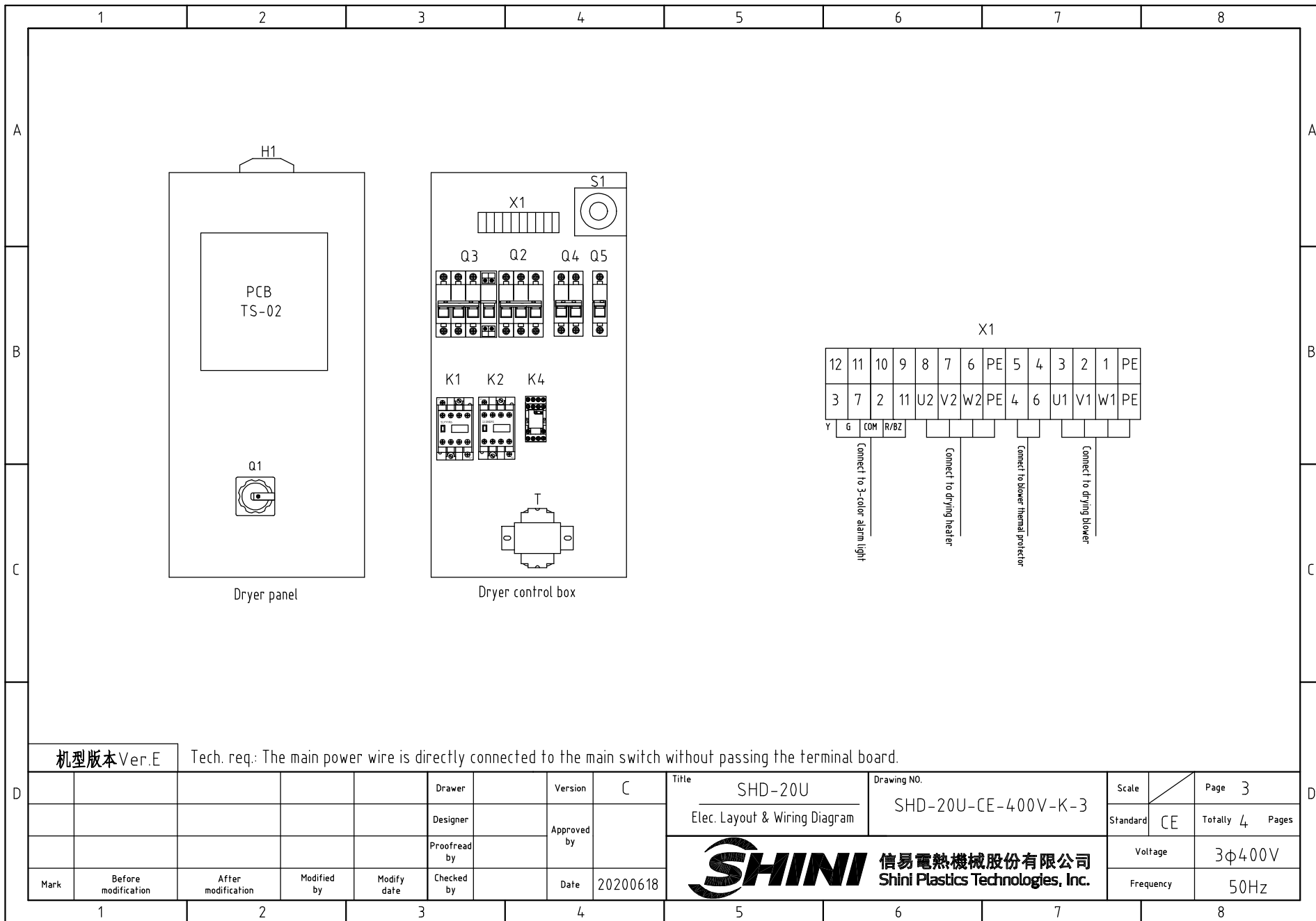


机型版本 Ver.E

Notes: M1 is the thermal overload protector of the drying blower.

D					Drawer	Version	C	Title	SHD-20U	Drawing NO.	SHD-20U-CE-400V-K-2	Scale	Page	2
					Designer	Approved by		Control Circuit Diagram		Standard	CE	Totally	4	Pages
					Proofread by	Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V			
Mark	Before modification	After modification	Modified by	Modify date	Checked by					Frequency	50Hz			

1 2 3 4 5 6 7 8



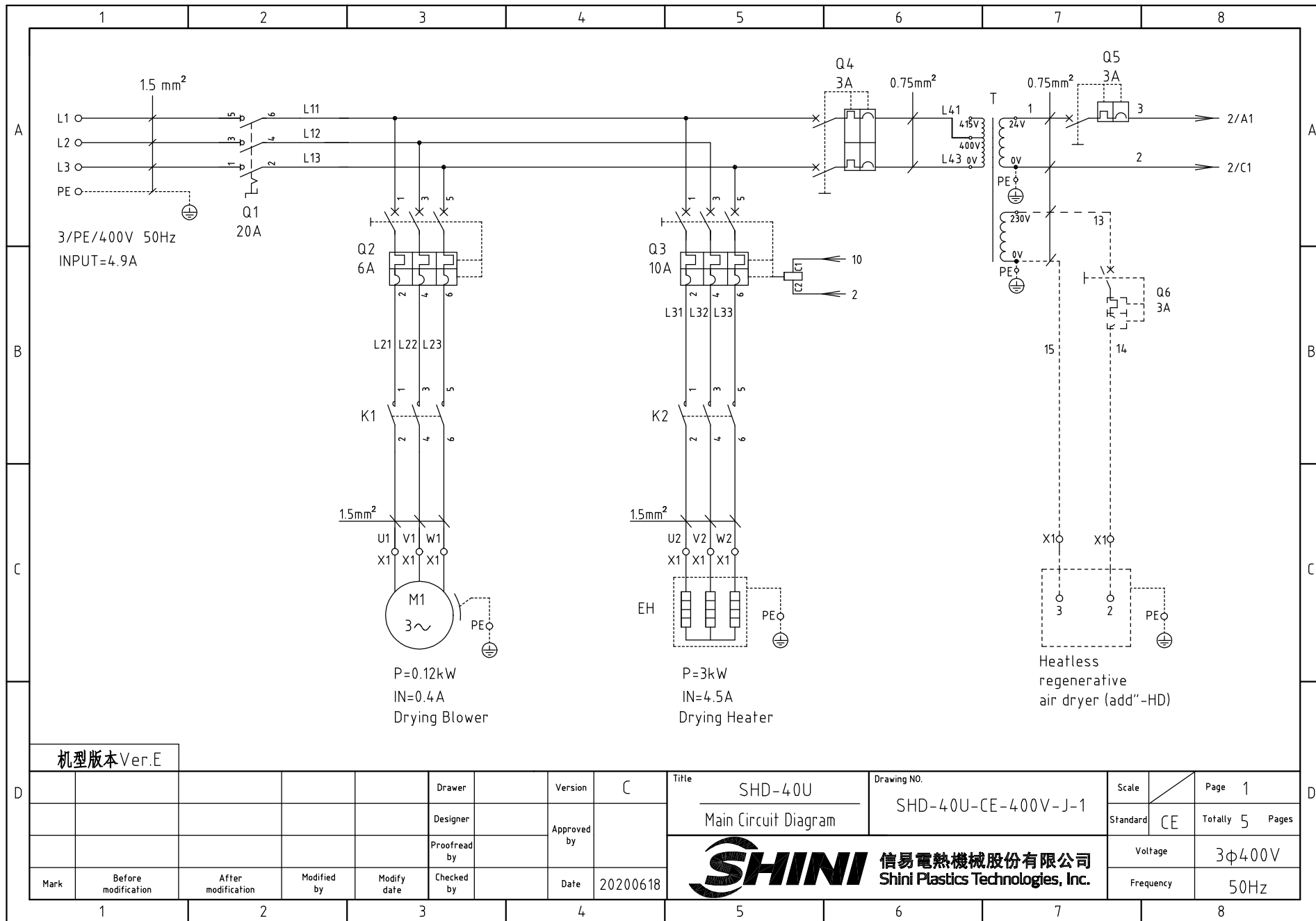
机型版本 Ver.E

Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Drawer	Version	C	Title	SHD-20U Elec. Layout & Wiring Diagram	Drawing NO.	SHD-20U-CE-400V-K-3	Scale	Page	3
						Proofread by	Approved by		Designer							Standard	CE	Totally 4 Pages
																Voltage	3φ400V	
																Frequency	50Hz	



1		2		3		4		5		6		7		8	
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
A	1	Q1	Main switch		EATON		TO-2-1/EA/SVB/20A		20A 3P 690V 50/60Hz		1	YE10021160000			
	2	Q2	Circuit breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000			
	3	Q3	Circuit breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000			
	4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000			
	5	Q4	Circuit-breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000			
	6	Q5	Circuit-breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000			
	7	K1 K2	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1NO 24V AC		2	YE00601502500			
B	8	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE030224.00300			
	9	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE7004.0006500			
	10	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE800224.05200			
	11	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel	
	12	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL900024.01520		New	
	13	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150			
	14	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)	
15	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE9004.8501200				
C	16		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR4004.8500000			
	17	X1	Terminal board		HOEYWELL		SK4		4mm ²		8	YE600004.03200			
	18		Terminal board		HOEYWELL		GK5PE		4mm ² PE		2	YE600004.03500			
	19		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE600025.03200			
	20		Terminal fittings		HOEYWELL		----		PCS		5	YE600000.03900			
	21	M1	Blower		SHINI		0.12kW		400V50/60HZ		1	----		(1)	
	22	EH	Heater		SHINI		3.0kW		400V50/60HZ		1	----		(1)	
D	机型版本 Ver.E		Notes: (1)Materials not in the control box;												
					Drawer		Version	C	Title	SHD-20U	Drawing NO.	SHD-20U-CE-400V-K-4	Scale	Page	4
					Designer		Approved by		Elec. Parts List 1		Standard	CE	Totally	4	Pages
					Proofread by		Date	20200618	 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V			
Mark	Before modification	After modification	Modified by	Modify date	Checked by					Frequency	50Hz				
1	2	3	4	5	6	7	8								



机型版本 Ver.E

D					Drawer		Version	C	Title	SHD-40U	Drawing NO.	SHD-40U-CE-400V-J-1	Scale	Page	1
					Designer		Approved by		Main Circuit Diagram			Standard	CE	Totally	5
D					Proofread by		Date	20200618	信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V		
	Mark				Before modification	After modification	Modified by	Modify date			Checked by	Frequency		50Hz	

1

2

3

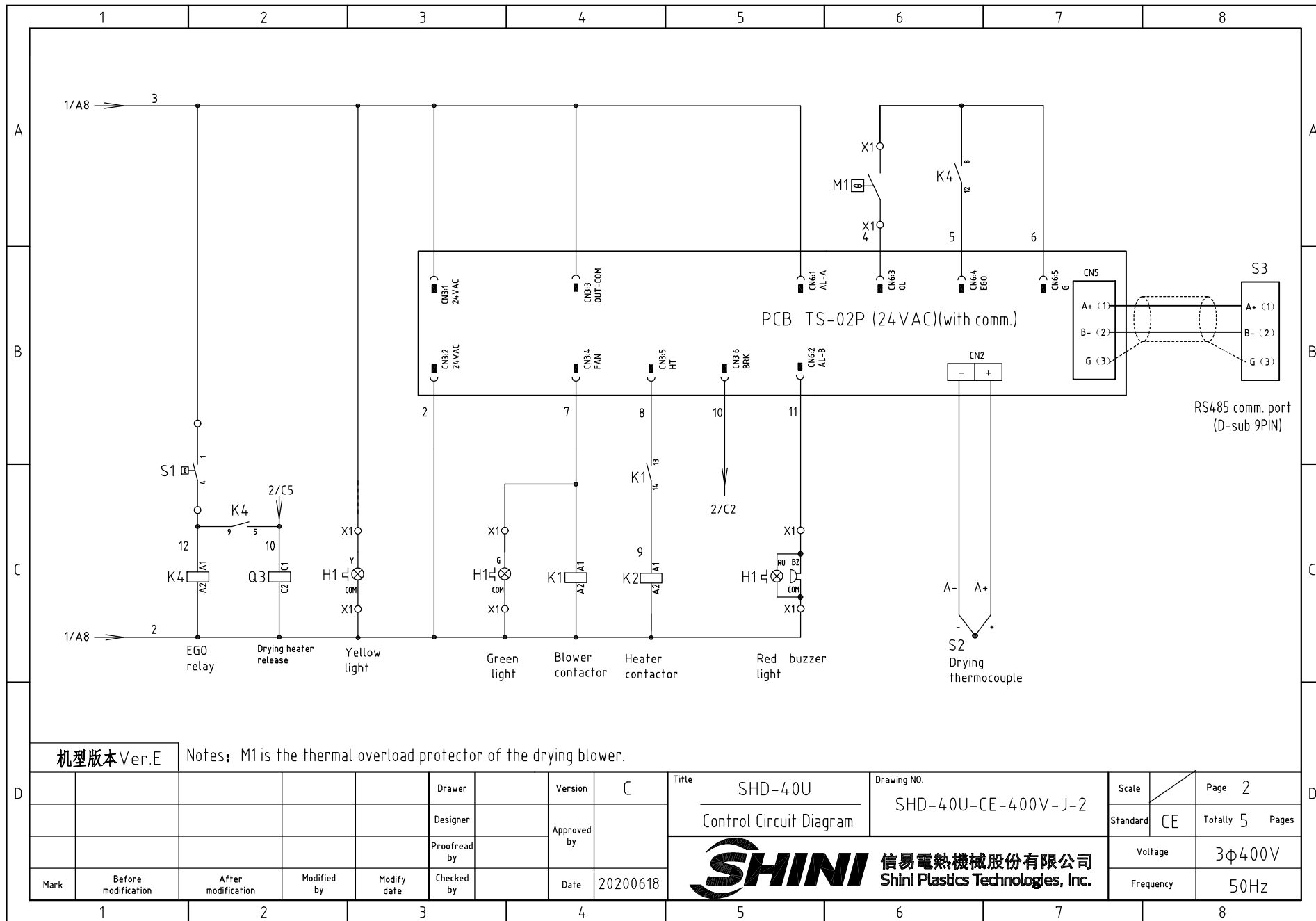
4

5

6


7

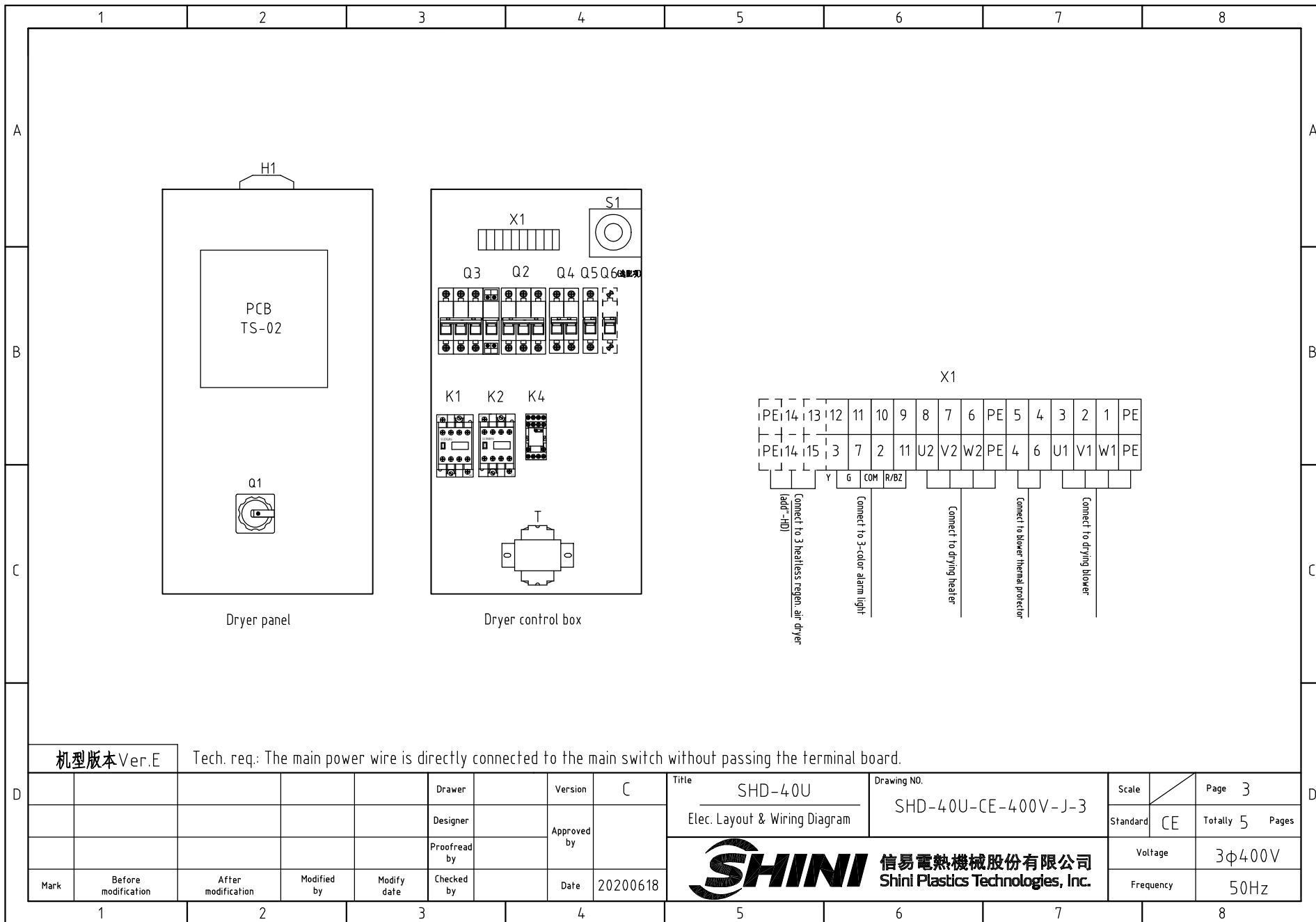
8



机型版本 Ver.E

Notes: M1 is the thermal overload protector of the drying blower.

D	Drawer	Version	C	Title	SHD-40U	Drawing NO.	SHD-40U-CE-400V-J-2	Scale	Page 2
	Designer	Approved by		Control Circuit Diagram		Standard	CE	Totally 5 Pages	
	Proofread by	Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V		
Mark	Before modification	After modification	Modified by			Modify date	Checked by	Frequency	50Hz



机型版本 Ver.E

Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
					Drawer	Version	C
					Designer	Approved by	
					Proofread by		

Title		SHD-40U		Drawing NO.		SHD-40U-CE-400V-J-3		Scale	Page 3
Elec. Layout & Wiring Diagram								Standard	CE
								Voltage	3φ400V
								Frequency	50Hz



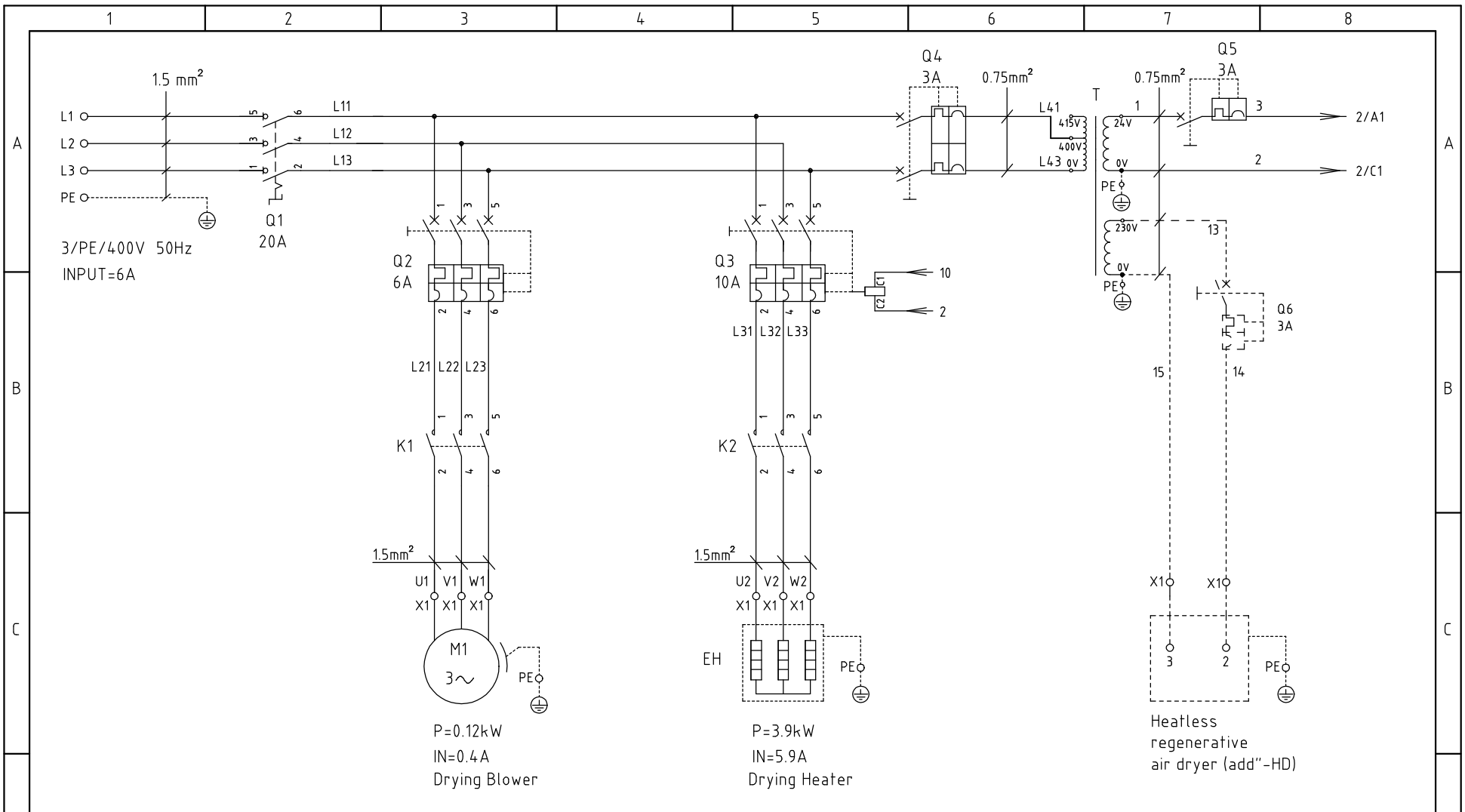
1		2		3		4		5		6		7		8		
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark			
A	1	Q1	Main Switch		EATON		TO-2-1/EA/SVB/20A		20A 3P 690V 50/60Hz		1	YE10021160000				
	2	Q2	Circuit-breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000				
	3	Q3	Circuit-breaker		TECO		BM-63C/3010S		10A 3P		1	YE40301003000				
	4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000				
	5	Q4	Circuit breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000				
	6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000				
	7	Q6	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000		(2)		
B	8	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500				
	9	K2	AC contactor		SIEMENS		3RT6016-1AB01		9A 3P 24V AC		1	YE00601602500				
	10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300				
	11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500				
	12	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		1	YE70040003600		(2)		
	13	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200				
	14	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150				
C	15	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)		
	16	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
	17		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000				
	18	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel		
	19	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New		
	20	X1	Terminal board		HOEYWELL		SK4		4mm ²		8	YE60000403200				
	21		Terminal board		HOEYWELL		GK5PE		4mm ² PE		2	YE60000403500				
D	22		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200				
	23		Terminal board		HOEYWELL		SK2.5		2.5mm ²		2	YE60002503200		(2)		
	24		Terminal board		HOEYWELL		GK2.5PE		2.5mm ² PE		1	YE60002503400		(2)		
	25		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900				
机型版本 Ver.E		Notes: (1)Materials not in the control box; (2)Optional heatless regen. air dryer (-HD)														
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Drawer	Version	C	Title	SHD-40U	Drawing NO.	SHD-40U-CE-400V-J-4	Scale	Page 4
								Designer	Approved by		Elec. Parts List 1		Standard	CE	Totally 5 Pages	
								Proofread by							Voltage	3φ400V
															Frequency	50Hz

A


B

C

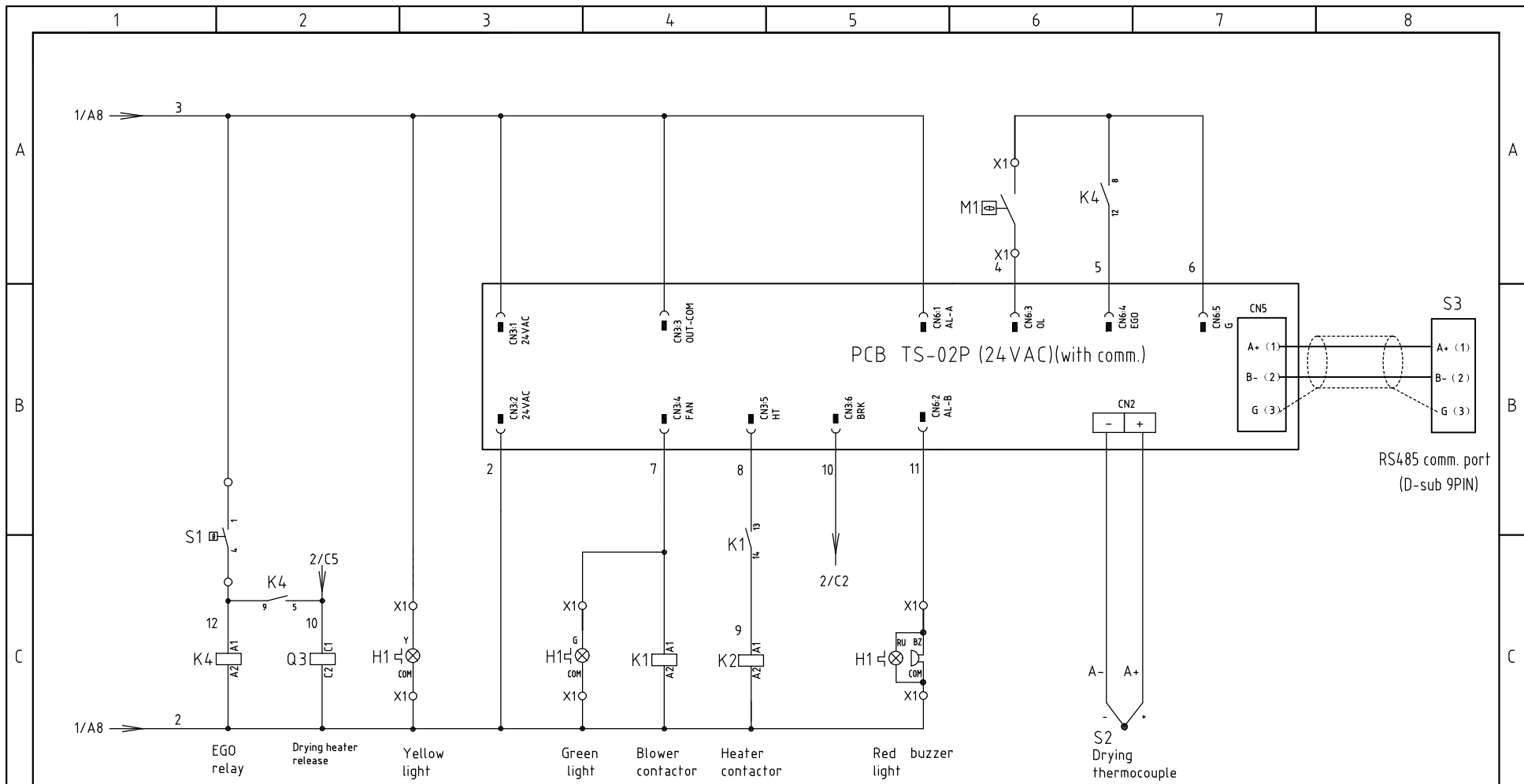
D



机型版本 Ver.E


D					Drawer	Version	C	Title	SHD-80U/120U	Drawing NO.	SHD-80U/120U-CE-400V-J-1	Scale	Page	1
					Designer	Approved by		Main Circuit Diagram		Standard	CE	Totally	5	Pages
					Proofread by	Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V			
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Frequency			50Hz				

1 2 3 4 5 6 7 8



机型版本 Ver.E

Notes: M1 is the thermal overload protector of the drying blower.

				Drawer	Version	C	Title	SHD-80U/120U	Drawing NO.	SHD-80U/120U-CE-400V-J-2	Scale	Page	2
				Designer	Approved by		Control Circuit Diagram		Standard	CE	Totally	5	Pages
				Proofread by	Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.				Voltage	3φ400V	
Mark	Before modification	After modification	Modified by	Modify date	Checked by						Frequency	50Hz	

1

2

3

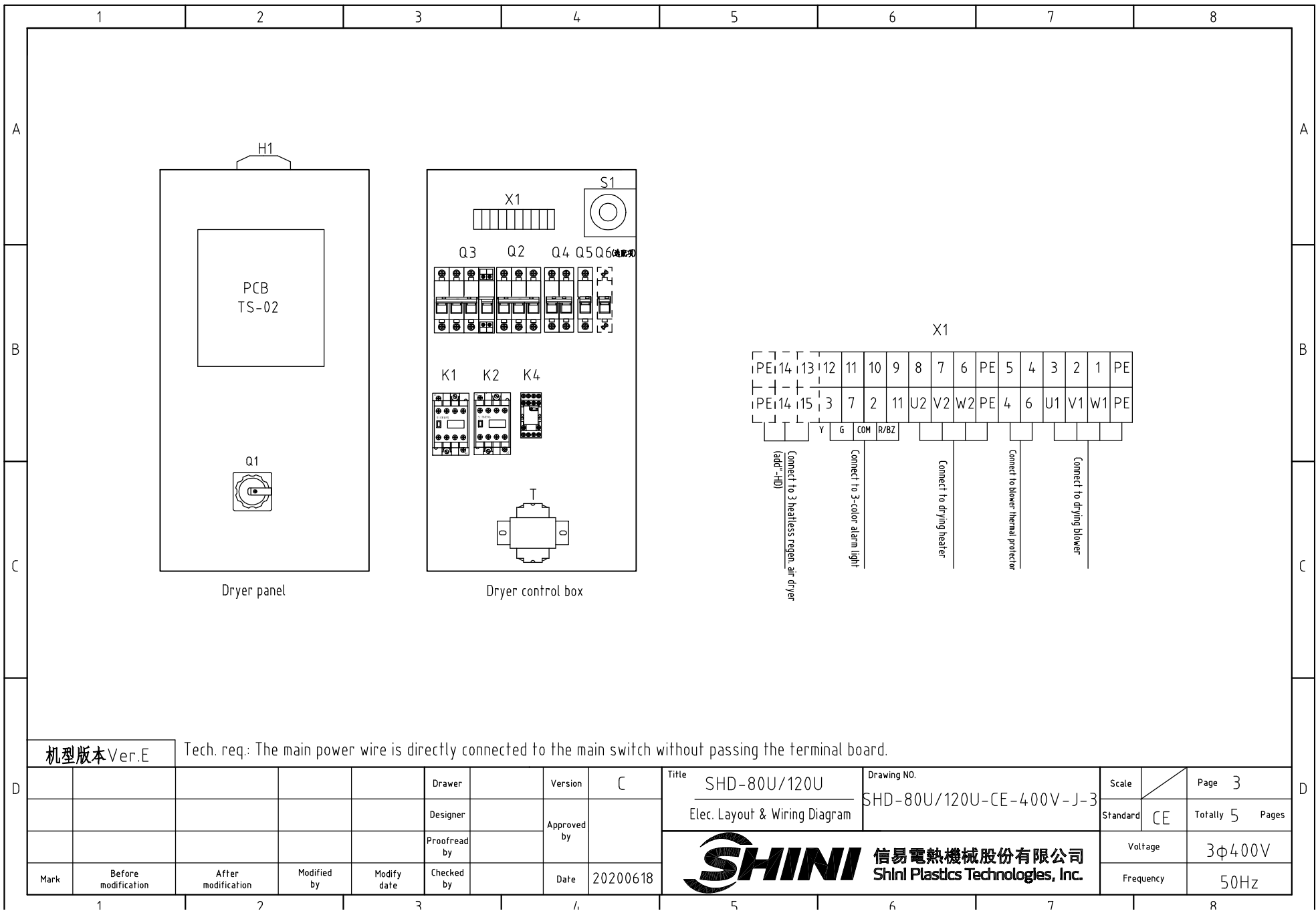
4

5

6

7

8



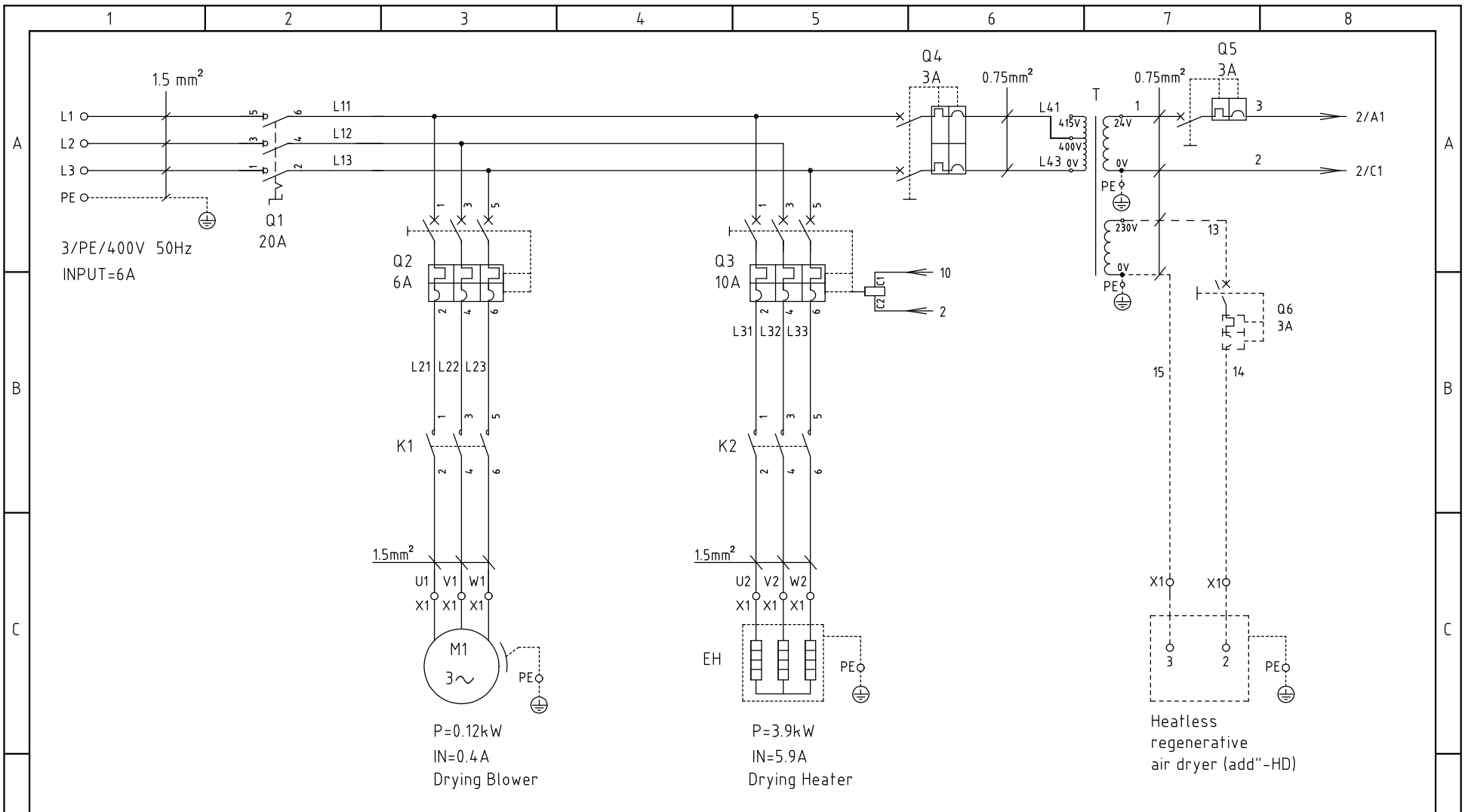
机型版本 Ver.E Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
					Proofread by	Approved by	
					Designer	Version	C
					Drawer		


Title		SHD-80U/120U		Drawing NO.		SHD-80U/120U-CE-400V-J-3		Scale	Page	3
Elec. Layout & Wiring Diagram								Standard	CE	Totally 5 Pages
								Voltage	3φ400V	
								Frequency	50Hz	



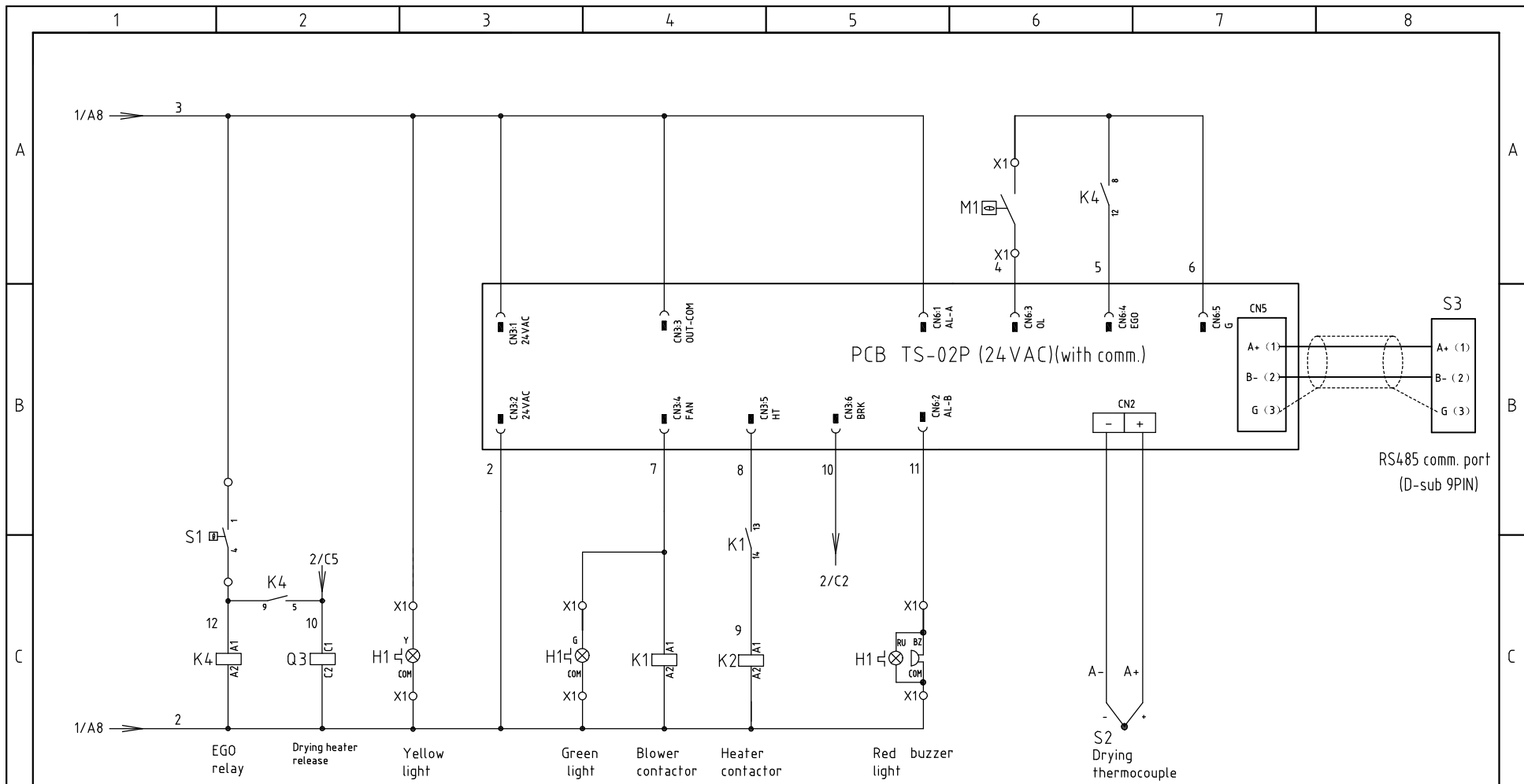
1		2		3		4		5		6		7		8		
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark			
A	1	Q1	Main switch		EATON		TO-2-1/EA/SVB/20A		20A 3P 690V 50/60Hz		1	YE10021160000				
	2	Q2	Circuit breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000				
	3	Q3	Circuit breaker		TECO		BM-63C/3010S		10A 3P		1	YE40301003000				
	4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000				
	5	Q4	Circuit breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000				
	6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000				
	7	Q6	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000		(2)		
B	8	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500				
	9	K2	AC contactor		SIEMENS		3RT6017-1AB01		12A 3P 24V AC		1	YE00601702500				
	10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300				
	11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500				
	12	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		1	YE70040003600		(2)		
	13	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200				
	14	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150				
C	15	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)		
	16	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
	17		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000				
	18	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel		
	19	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New		
	20	X1	Terminal board		HOEYWELL		SK4		4mm ²		8	YE60000403200				
	21		Terminal board		HOEYWELL		GK5PE		4mm ² PE		2	YE60000403500				
D	22		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200				
	23		Terminal board		HOEYWELL		SK2.5		2.5mm ²		2	YE60002503200		(2)		
	24		Terminal board		HOEYWELL		GK2.5PE		2.5mm ² PE		1	YE60002503400		(2)		
	25		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900				
	机型版本 Ver.E		Notes: (1)Materials not in the control box;(2)Optional heatless regen. air dryer (-HD)													
	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Title	SHD-80U/120U Elec. Parts List 1		Drawing NO.	SHD-80U/120U-CE-400V-J-4		Scale	Page 4
		Designer	Proofread by	Approved by	Date	Standard	CE	Totally 5 Pages								
								 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.				Voltage	3φ400V			
												Frequency	50Hz			



机型版本 Ver.E

D					Drawer	Version	C	Title	SHD-80U/120U	Drawing NO.	SHD-80U/120U-CE-400V-J-1	Scale	Page	1
					Designer	Approved by		Main Circuit Diagram		Standard	CE	Totally	5	Pages
					Proofread by	Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V			
	Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency	50Hz			

1 2 3 4 5 6 7 8

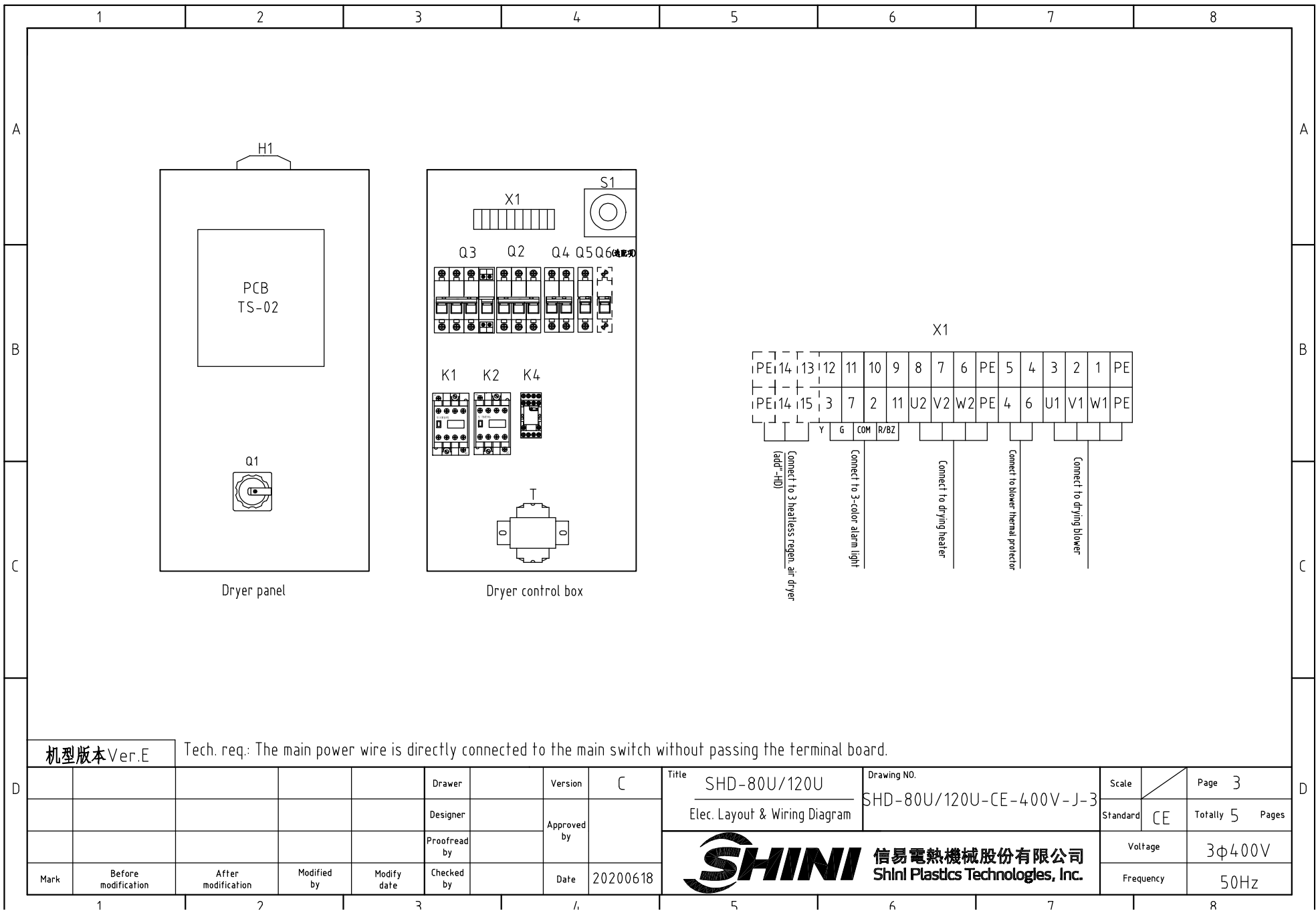


机型版本 Ver.E

Notes: M1 is the thermal overload protector of the drying blower.

Drawer	Version	C	Title	SHD-80U/120U Control Circuit Diagram	Drawing NO.	SHD-80U/120U-CE-400V-J-2	Scale	Page	2
Designer	Approved by		Standard	CE			Totally	5	Pages
Proofread by	Date	20200618	Voltage		3φ400V		Frequency		50Hz
Mark	Before modification	After modification	Modified by	Modify date	Checked by				





机型版本 Ver.E

Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

					Drawer	Version	C
					Designer	Approved by	
					Proofread by	Date	20200618
Mark	Before modification	After modification	Modified by	Modify date	Checked by		

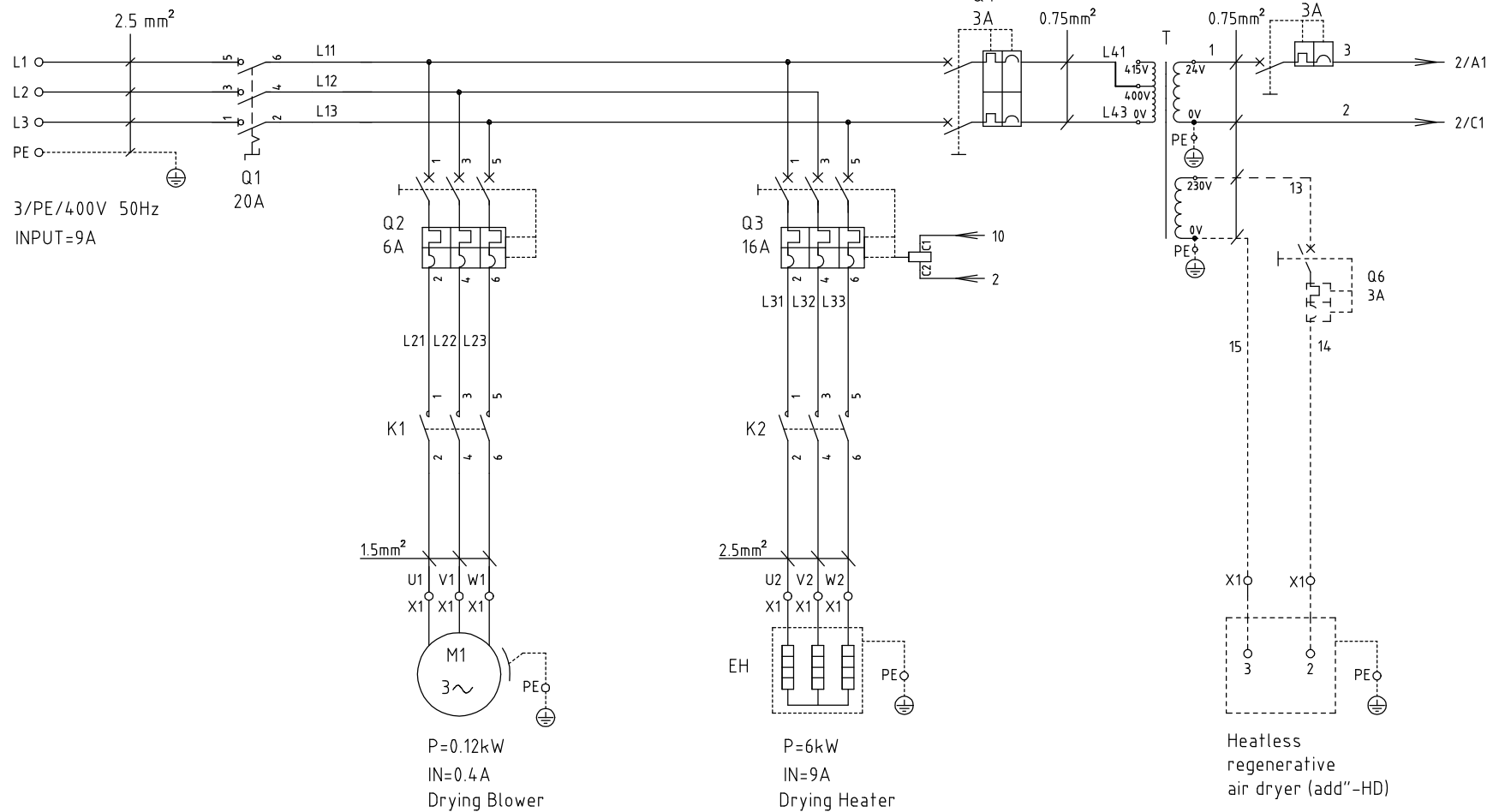
Title	SHD-80U/120U Elec. Layout & Wiring Diagram	Drawing NO.	SHD-80U/120U-CE-400V-J-3
-------	---	-------------	--------------------------




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

Scale	Page 3
Standard	CE
Voltage	3φ400V
Frequency	50Hz
Totally 5 Pages	

1		2		3		4		5		6		7		8		
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark			
A	1	Q1	Main switch		EATON		TO-2-1/EA/SVB/20A		20A 3P 690V 50/60Hz		1	YE10021160000				
	2	Q2	Circuit breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000				
	3	Q3	Circuit breaker		TECO		BM-63C/3010S		10A 3P		1	YE40301003000				
	4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000				
	5	Q4	Circuit breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000				
	6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000				
	7	Q6	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000		(2)		
B	8	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500				
	9	K2	AC contactor		SIEMENS		3RT6017-1AB01		12A 3P 24V AC		1	YE00601702500				
	10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300				
	11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500				
	12	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		1	YE70040003600		(2)		
	13	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200				
	14	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150				
C	15	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)		
	16	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
	17		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000				
	18	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel		
	19	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New		
	20	X1	Terminal board		HOEYWELL		SK4		4mm ²		8	YE60000403200				
	21		Terminal board		HOEYWELL		GK5PE		4mm ² PE		2	YE60000403500				
D	22		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200				
	23		Terminal board		HOEYWELL		SK2.5		2.5mm ²		2	YE60002503200		(2)		
	24		Terminal board		HOEYWELL		GK2.5PE		2.5mm ² PE		1	YE60002503400		(2)		
	25		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900				
	机型版本 Ver.E		Notes: (1)Materials not in the control box;(2)Optional heatless regen. air dryer (-HD)													
	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Title SHD-80U/120U Elec. Parts List 1		Drawing NO. SHD-80U/120U-CE-400V-J-4		Scale	CE	Page	4
									 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V			Totally	5 Pages
									Frequency	50Hz						



机型版本 Ver.D

D					Drawer		Version	C	Title	SHD-160U/230U	Drawing NO.	SHD-160U/230U-CE-400V-J-1	Scale	Page	1
					Designer		Approved by		Main Circuit Diagram		Standard	CE	Totally	5	Pages
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V			
												Frequency	50Hz		

1

2

3

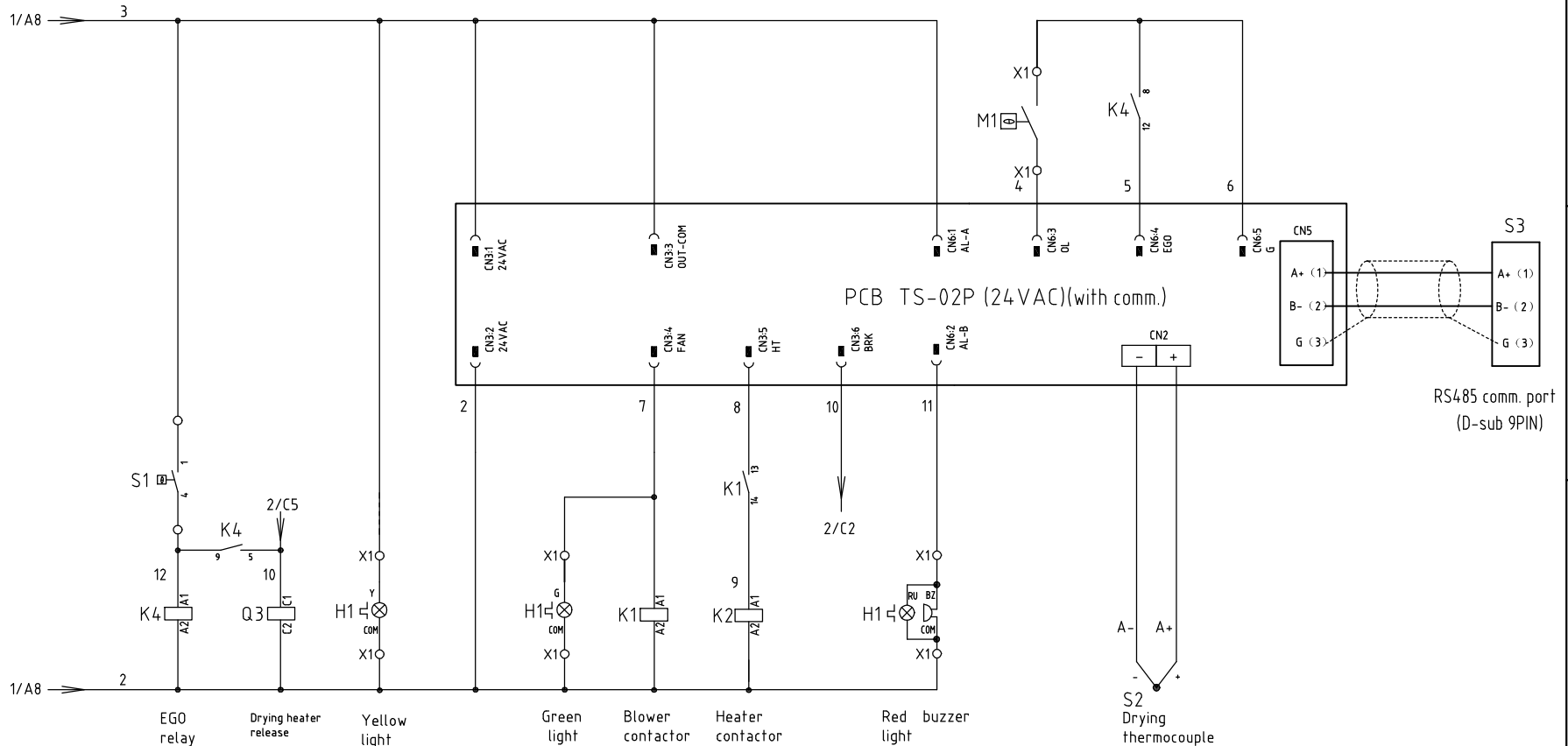
4

5

6

7

8

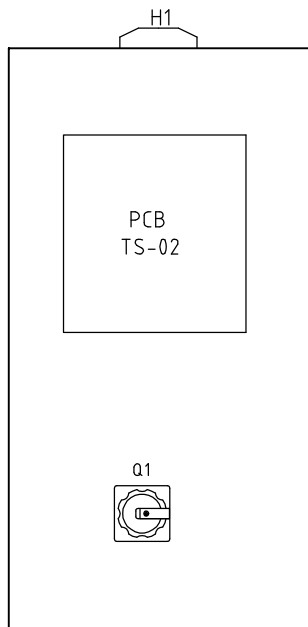


机型版本 Ver.D

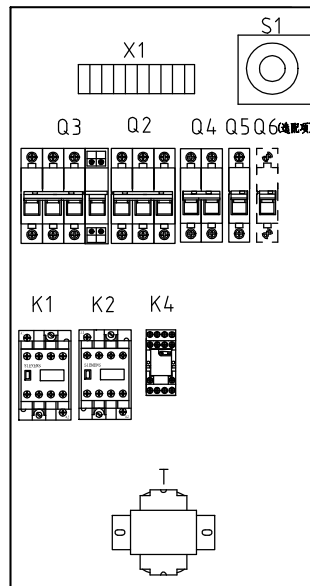
Notes: M1 is the thermal overload protector of the drying blower.

D	Drawer	Version	C	Title	SHD-160U/230U Control Circuit Diagram	Drawing NO.	SHD-160U/230U-CE-400V-J-2	Scale	Page	2				
	Designer	Approved by	Proofread by	Mark	Before modification	After modification	Modified by	Modify date	20200618	Standard	CE	Totally	5	Pages
										Voltage	3φ400V			
										Frequency	50Hz			

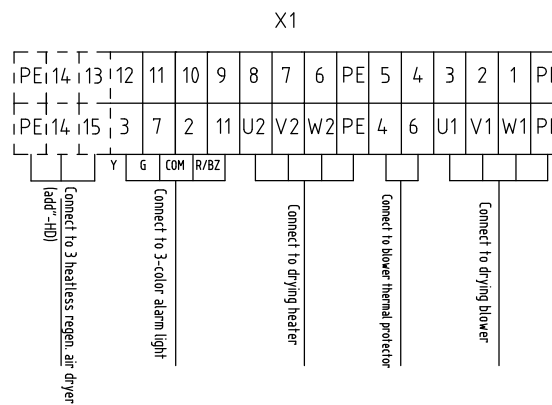




Dryer panel



Dryer control box



机型版本 Ver.D

Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200808
					Drawer	Version	1
					Designer	Approved by	
					Proofread by		

Title SHD-160U/230U
Elec. Layout & Wiring Diagram

Drawing NO. SHD-160U/230U-CE-400V-J-3

Scale	Page 3
Standard CE	Totally 5 Pages

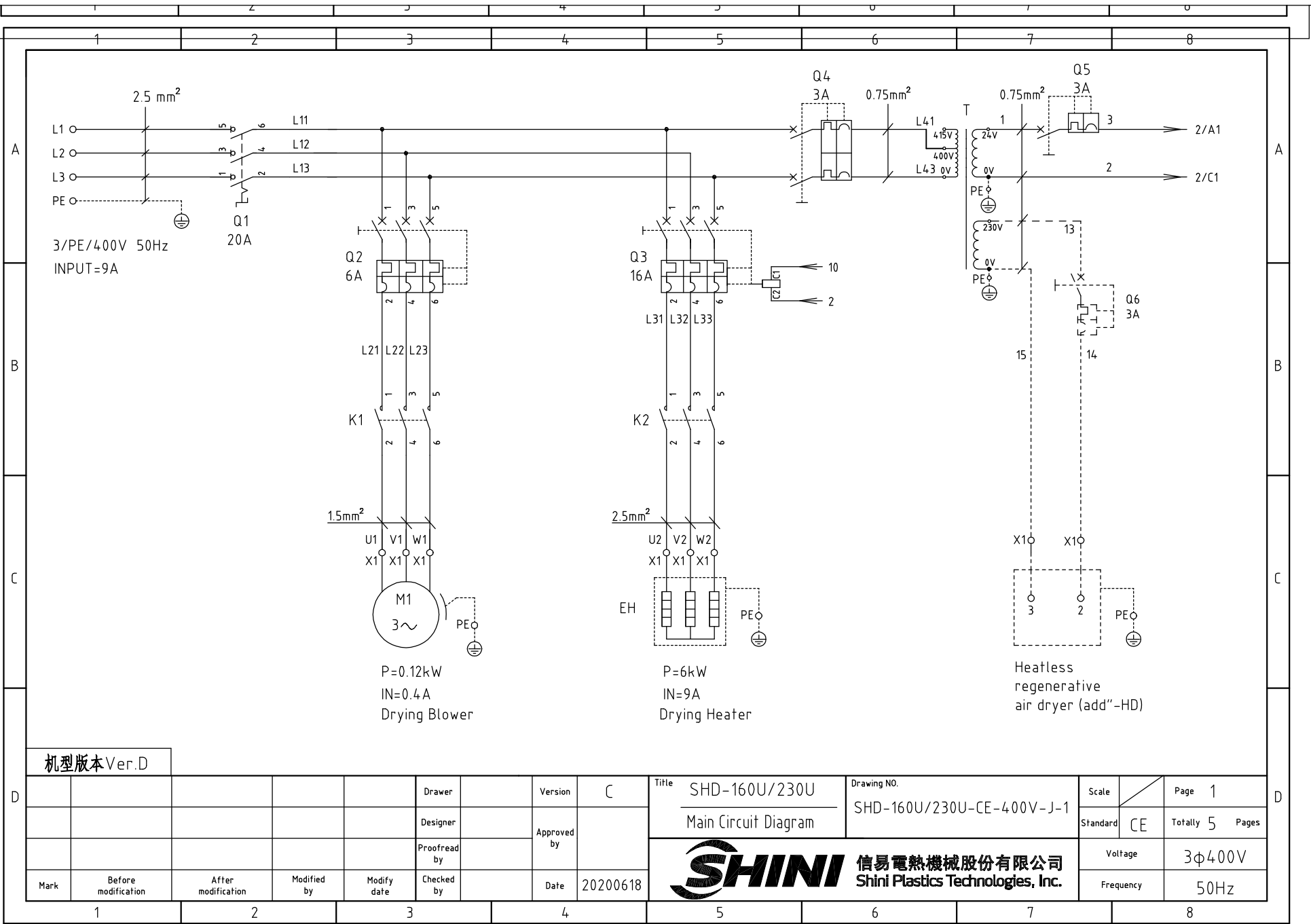
SHINI 信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.

Voltage	3φ400V
Frequency	50Hz


1	2		3	4	5	6	7	8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark	
1	Q1	Main switch	EATON	TO-2-1/EA/SVB/20A	20A 3P 690V 50/60Hz	1	YE10021160000		
2	Q2	Circuit breaker	TECO	BM-63C/3006S	6A 3P	1	YE40300603000		
3	Q3	Circuit breaker	TECO	BM-63C/3016S	16A 3P	1	YE40301603000		
4		Excitation release	YIJIN	MX	24V 50/60Hz	1	YE40024000000		
5	Q4	Circuit breaker	TECO	BM-63C/2003S	3A 2P	1	YE40200203000		
6	Q5	Circuit breaker	TECO	BM-63C/1003S	3A 1P	1	YE40100203000		
7	Q6	Circuit breaker	TECO	BM-63C/1003S	3A 1P	1	YE40100203000	(2)	
8	K1	AC contactor	SIEMENS	3RT6015-1AB01	7A 3P 1NO 24V AC	1	YE00601502500		
9	K2	AC contactor	SIEMENS	3RT6018-1AB01	16A 3P 24V AC	1	YE00601802500		
10	K4	Middle relay	HONEYWELL	GR-2C-AC24V base PRG-2C-E	24V 50/60Hz	1	YE03022400300		
11	T	Mutual transformer	JIUXIN	IN=400V/415V OUT=24V	80VA	1	YE70040006500		
12	T	Mutual transformer	JIUXIN	IN=400V/415V OUT=24V/230V	120VA 350MA	1	YE70040003600	(2)	
13	PCB	Dryer controller/PCB	PUMP	TS-02P (24VAC/DC)(assembly)	24V 50/60Hz	1	YE80022405200		
14	S1	Overheat protector	EGO	----	115-320 °C	1	BH90115000150		
15	S2	Thermocouple	SHINI	K TYPE	----	1	----	(1)	
16	S3	Connect to interface port RS-485(Dsub-9pin connector)	YUYUN	----	----	1	YE90048501200		
17		Shell RS485(SAL-700G-A-19)ver.0	BINCHENG	----	----	1	YR40048500000		
18	H1	三色警光灯/Alarm lamp	SHINI	红黄绿色+蜂鸣器	24V AC/DC	1	BL90000011520	Cancel	
19	H1	3-color alarm lamp	SHINI	Red. yel. gre.+ buzzer	24V AC/DC	1	BL90002401520	New	
20	X1	Terminal board	HOEYWELL	SK4	4mm ²	8	YE60000403200		
21		Terminal board	HOEYWELL	GK5PE	4mm ² PE	2	YE60000403500		
22		Terminal board	HOEYWELL	SK2.5	2.5mm ²	4	YE60002503200		
23		Terminal board	HOEYWELL	SK2.5	2.5mm ²	2	YE60002503200	(2)	
24		Terminal board	HOEYWELL	GK2.5PE	2.5mm ² PE	1	YE60002503400	(2)	
25		Terminal fittings	HOEYWELL	----	PCS	5	YE60000003900		
机型版本 Ver.D		Notes: (1)Materials not in the control box; (2)Optional heatless regen. air dryer (-HD)							
D			Drawer	Version	Title SHD-160U/230U Elec. Parts List 1		Drawing NO. SHD-160U/230U-CE-400V-J-4	Scale	Page 4
			Designer	Approved by			Standard	CE	Totally 5 Pages
			Proofread by	Date	20200618		Voltage		3φ400V
	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Frequency		50Hz
1	2	3	4	5	6	7	8		

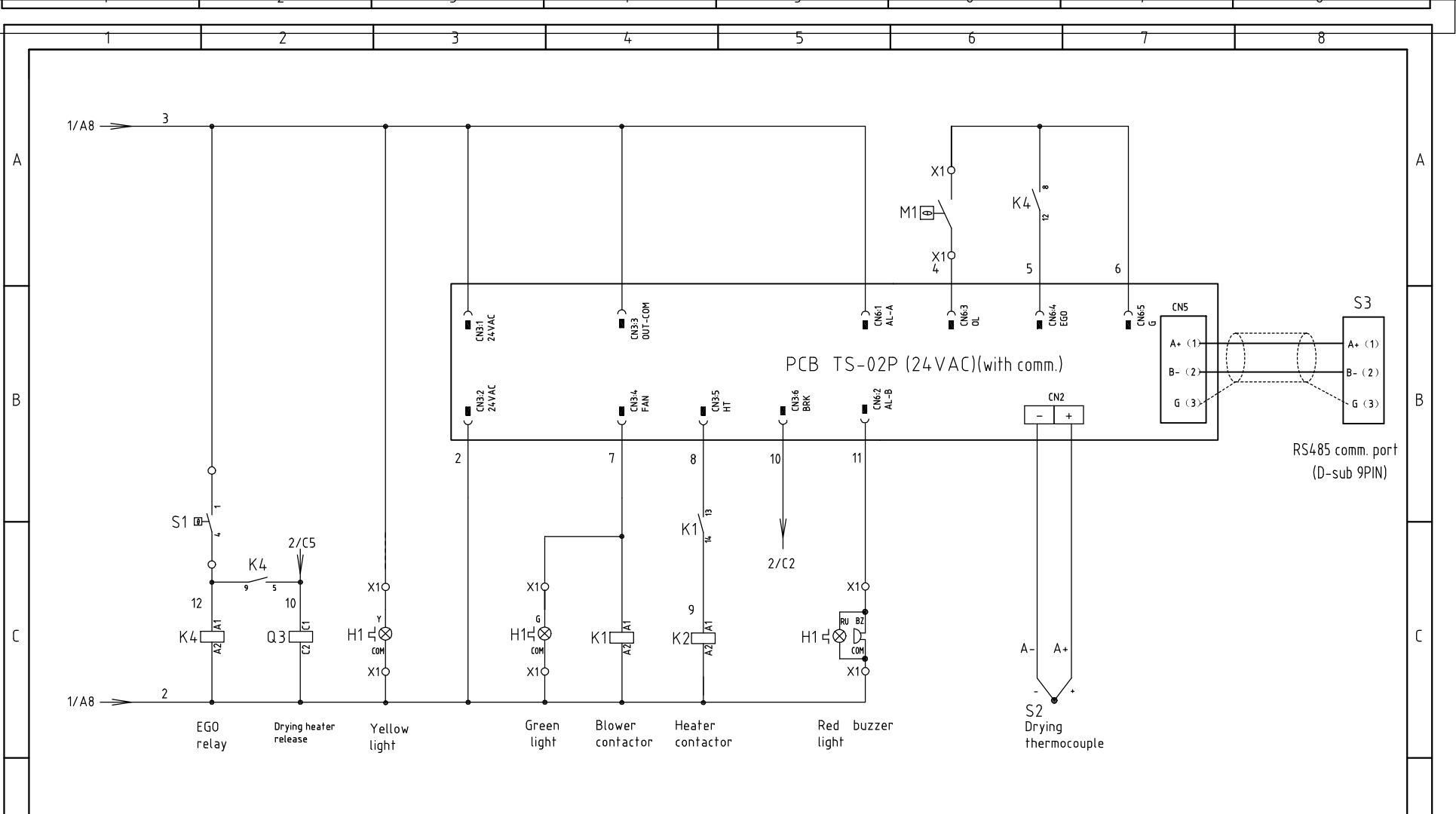


信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.



机型版本 Ver.D

D					Drawer		Version	C	Title	SHD-160U/230U	Drawing NO.	SHD-160U/230U-CE-400V-J-1	Scale	Page	1
					Designer		Approved by		Main Circuit Diagram				Standard	CE	Totally 5 Pages
D					Proofread by		Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V		
	Mark				Before modification	After modification	Modified by	Modify date			Checked by	Frequency		50Hz	
1		2		3		4		5		6		7		8	

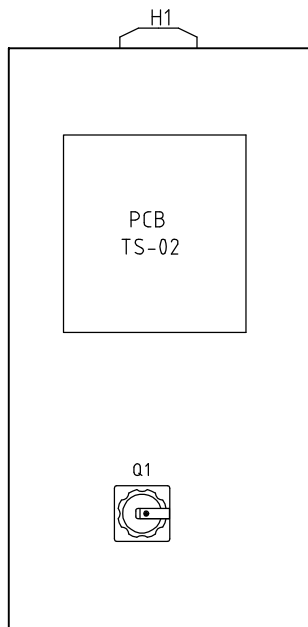


机型版本 Ver.D

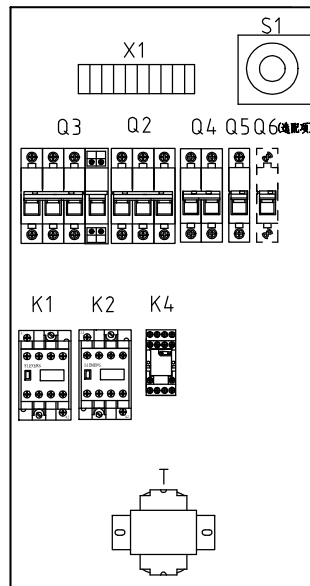
Notes: M1 is the thermal overload protector of the drying blower.

D	Drawer	Version	C	Title	SHD-160U/230U Control Circuit Diagram	Drawing NO.	SHD-160U/230U-CE-400V-J-2	Scale	Page	2
	Designer	Approved by	Proofread by	Standard	CE	Totally	5	Pages		
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Voltage	3φ400V	
								Frequency	50Hz	

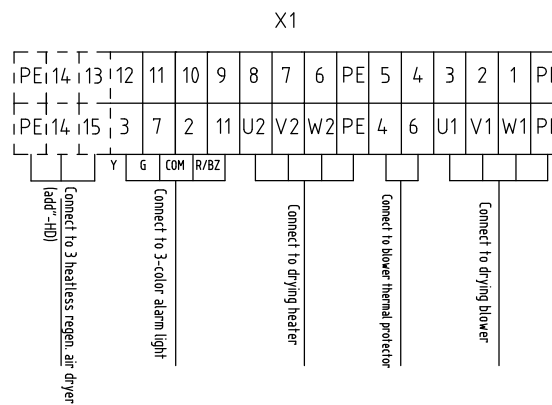




Dryer panel



Dryer control box



机型版本 Ver.D

Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200808
					Drawer	Version	1
					Designer	Approved by	
					Proofread by		

Title SHD-160U/230U
Elec. Layout & Wiring Diagram

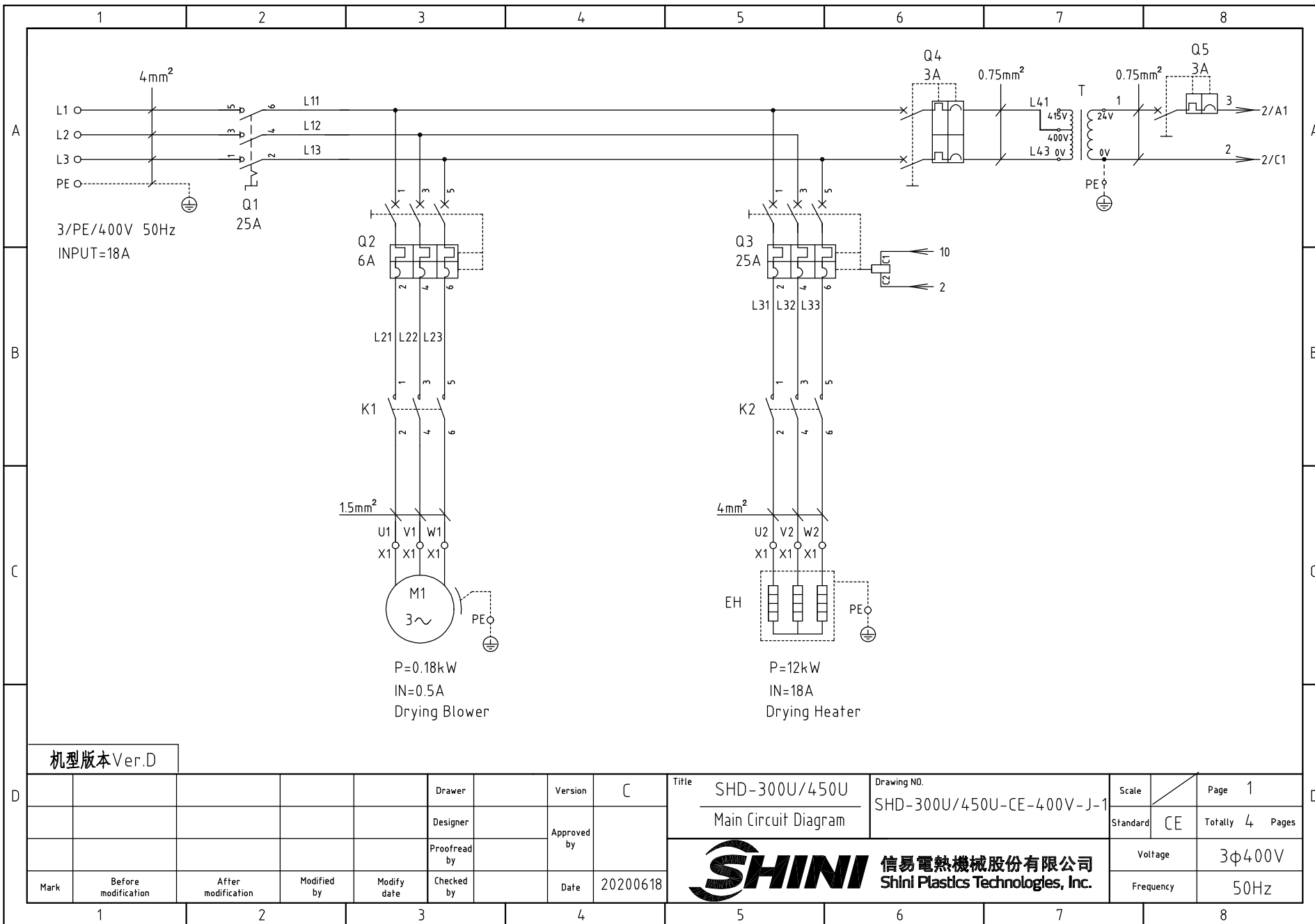
Drawing NO. SHD-160U/230U-CE-400V-J-3

Scale	Page	3
Standard	CE	Totally 5 Pages

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


Voltage	3φ400V
Frequency	50Hz

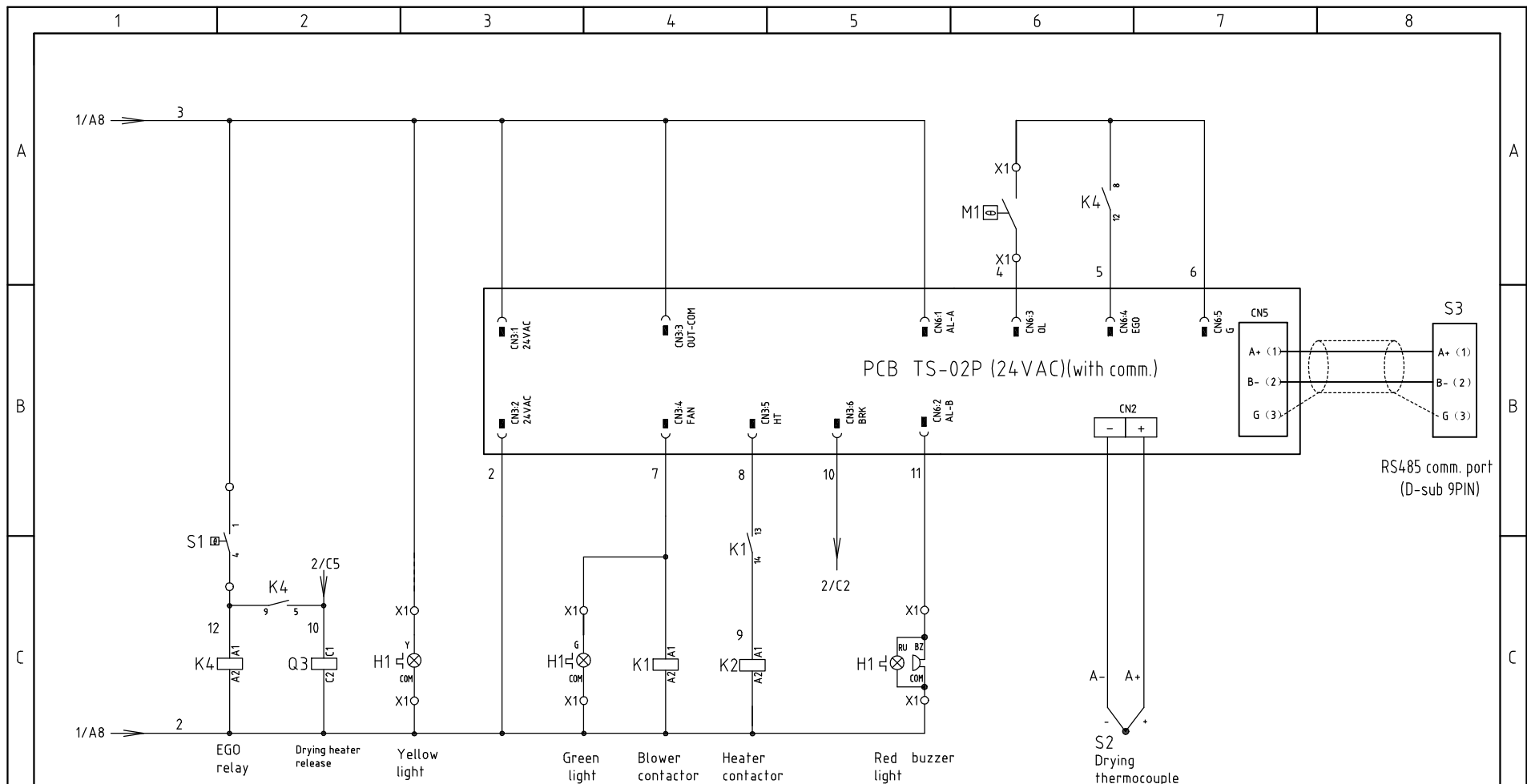
1	2		3	4	5	6	7	8	
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark	
A	1	Q1	Main switch	EATON	TO-2-1/EA/SVB/20A	20A 3P 690V 50/60Hz	1	YE10021160000	
	2	Q2	Circuit breaker	TECO	BM-63C/3006S	6A 3P	1	YE40300603000	
	3	Q3	Circuit breaker	TECO	BM-63C/3016S	16A 3P	1	YE40301603000	
	4		Excitation release	YIJIN	MX	24V 50/60Hz	1	YE40024000000	
	5	Q4	Circuit breaker	TECO	BM-63C/2003S	3A 2P	1	YE40200203000	
	6	Q5	Circuit breaker	TECO	BM-63C/1003S	3A 1P	1	YE40100203000	
	7	Q6	Circuit breaker	TECO	BM-63C/1003S	3A 1P	1	YE40100203000	(2)
B	8	K1	AC contactor	SIEMENS	3RT6015-1AB01	7A 3P 1NO 24V AC	1	YE00601502500	
	9	K2	AC contactor	SIEMENS	3RT6018-1AB01	16A 3P 24V AC	1	YE00601802500	
	10	K4	Middle relay	HONEYWELL	GR-2C-AC24V base PRG-2C-E	24V 50/60Hz	1	YE03022400300	
	11	T	Mutual transformer	JUUXIN	IN=400V/415V OUT=24V	80VA	1	YE70040006500	
	12	T	Mutual transformer	JUUXIN	IN=400V/415V OUT=24V/230V	120VA 350MA	1	YE70040003600	(2)
	13	PCB	Dryer controller/PCB	PUMP	TS-02P (24VAC/DC)(assembly)	24V 50/60Hz	1	YE80022405200	
	14	S1	Overheat protector	EGO	----	115-320 °C	1	BH90115000150	
C	15	S2	Thermocouple	SHINI	K TYPE	----	1	----	(1)
	16	S3	Connect to interface port RS-485(Dsub-9pin connector)	YUYUN	----	----	1	YE90048501200	
	17		Shell RS485(SAL-700G-A-19)ver.0	BINCHENG	----	----	1	YR40048500000	
	18	H1	三色警光灯/Alarm lamp	SHINI	红黄绿色+蜂鸣器	24V AC/DC	1	BL90000011520	Cancel
	19	H1	3-color alarm lamp	SHINI	Red. yel. gre.+ buzzer	24V AC/DC	1	BL90002401520	New
	20	X1	Terminal board	HOEYWELL	SK4	4mm ²	8	YE60000403200	
	21		Terminal board	HOEYWELL	GK5PE	4mm ² PE	2	YE60000403500	
D	22		Terminal board	HOEYWELL	SK2.5	2.5mm ²	4	YE60002503200	
	23		Terminal board	HOEYWELL	SK2.5	2.5mm ²	2	YE60002503200	(2)
	24		Terminal board	HOEYWELL	GK2.5PE	2.5mm ² PE	1	YE60002503400	(2)
	25		Terminal fittings	HOEYWELL	----	PCS	5	YE60000003900	
机型版本 Ver.D		Notes: (1)Materials not in the control box; (2)Optional heatless regen. air dryer (-HD)							
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage 3φ400V Frequency 50Hz
	Title		Version		Drawing NO.		Page		
	Elec. Parts List 1		Approved by		SHD-160U/230U-CE-400V-J-4		Totally		
	Scale		Standard		CE		Pages		



机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
					Proofread by		
					Designer	Approved by	
					Drawer	Version	C

Title	SHD-300U/450U		Drawing NO.	SHD-300U/450U-CE-400V-J-1		Scale	Page 1	
	Main Circuit Diagram						Standard	CE Totally 4 Pages
 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.						Voltage	3φ400V	
						Frequency	50Hz	



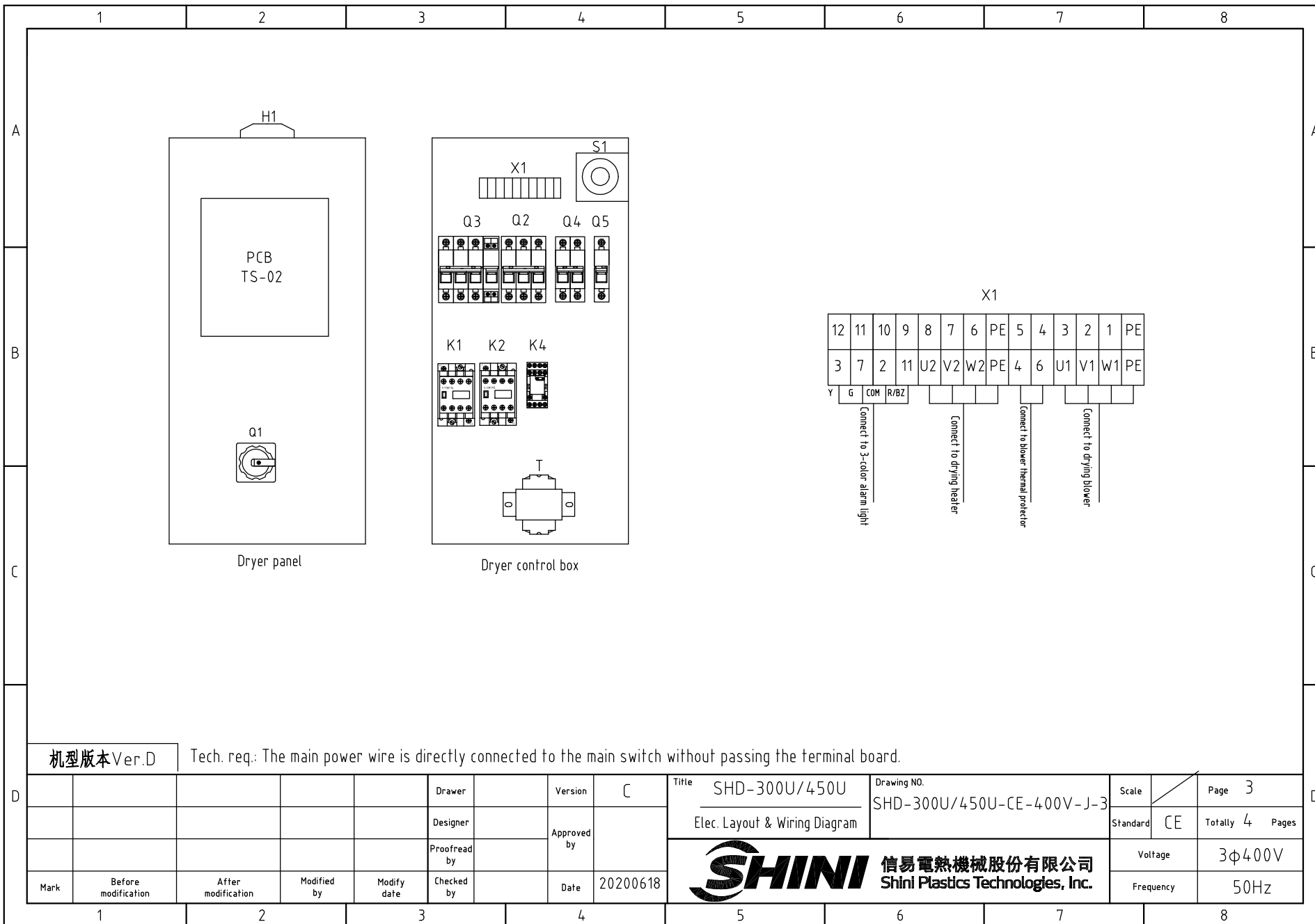
机型版本 Ver.D

Notes: M1 is the thermal overload protector of the drying blower.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
					Proofread by		
					Designer	Approved by	
					Drawer	Version	C

Title	SHD-300U/450U Control Circuit Diagram	Drawing NO.	SHD-300U/450U-CE-400V-J-2	Scale	Page 2
				Standard	CE Totally 4 Pages
				Voltage	3φ400V
				Frequency	50Hz





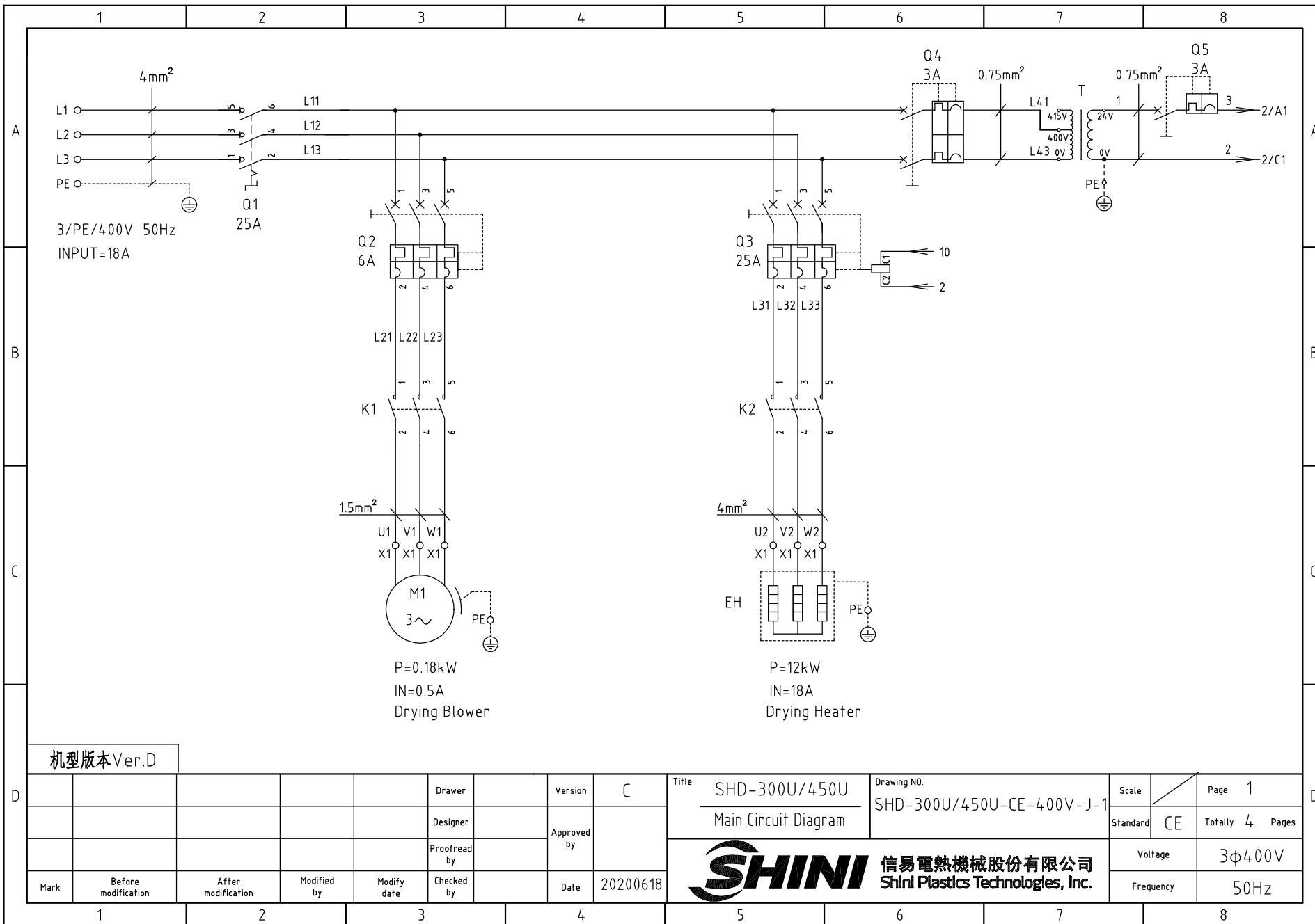
机型版本 Ver.D

Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

					Drawer		Version	C
					Designer		Approved by	
					Proofread by		Date	20200618
Mark	Before modification	After modification	Modified by	Modify date	Checked by			

Title	SHD-300U/450U Elec. Layout & Wiring Diagram	Drawing NO.	SHD-300U/450U-CE-400V-J-3	Scale	Page 3
				Standard	CE Totally 4 Pages
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.				Voltage	3φ400V
				Frequency	50Hz

1		2		3		4		5		6		7		8						
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark							
1	Q1	Main switch		EATON		TO-2-1/EA/SVB/25A		25A 3P 690V 50/60Hz		1	YE10125250000									
2	Q2	Circuit-breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000									
3	Q3	Circuit-breaker		TECO		BM-63C/3025S		25A 3P		1	YE40302503000									
4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000									
5	Q4	Circuit-breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000									
6	Q5	Circuit-breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000									
7	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500									
8	K2	交流接触器/Contactor		SIEMENS		3RT6027-1AC20		32A 3P 24V AC		1	YE00602702600		Cancel							
9	K2	AC contactor		SIEMENS		3RT6026-1AC20		25A 3P 24V AC		1	YE00602602600		New							
10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300									
11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500									
12	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200									
13	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150									
14	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)							
15	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200									
16		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000									
17	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel							
18	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New							
19	X1	Terminal board		HOEYWELL		SK4		4mm ²		8	YE60000403200									
20		Terminal board		HOEYWELL		GK5PE		4mm ² PE		2	YE60000403500									
21		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200									
22		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900									
23	M1	Blower		SHINI		0.18kW		400V50/60HZ		1	----		(1)							
24	EH1	Heater		SHINI		12kW		400V50/60HZ		1	----		(1)							
机型版本 Ver.D		Notes: (1)Materials not in the control box;																		
D					Drawer		Version		C		Title		SHD-300U/450U		Drawing NO.		Scale		Page 4	
					Designer		Approved by				Elec. Parts List 1		SHD-300U/450U-CE-400V-J-4		Standard		CE		Totally 4 Pages	
					Proofread by		Date		20200618		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
	Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			

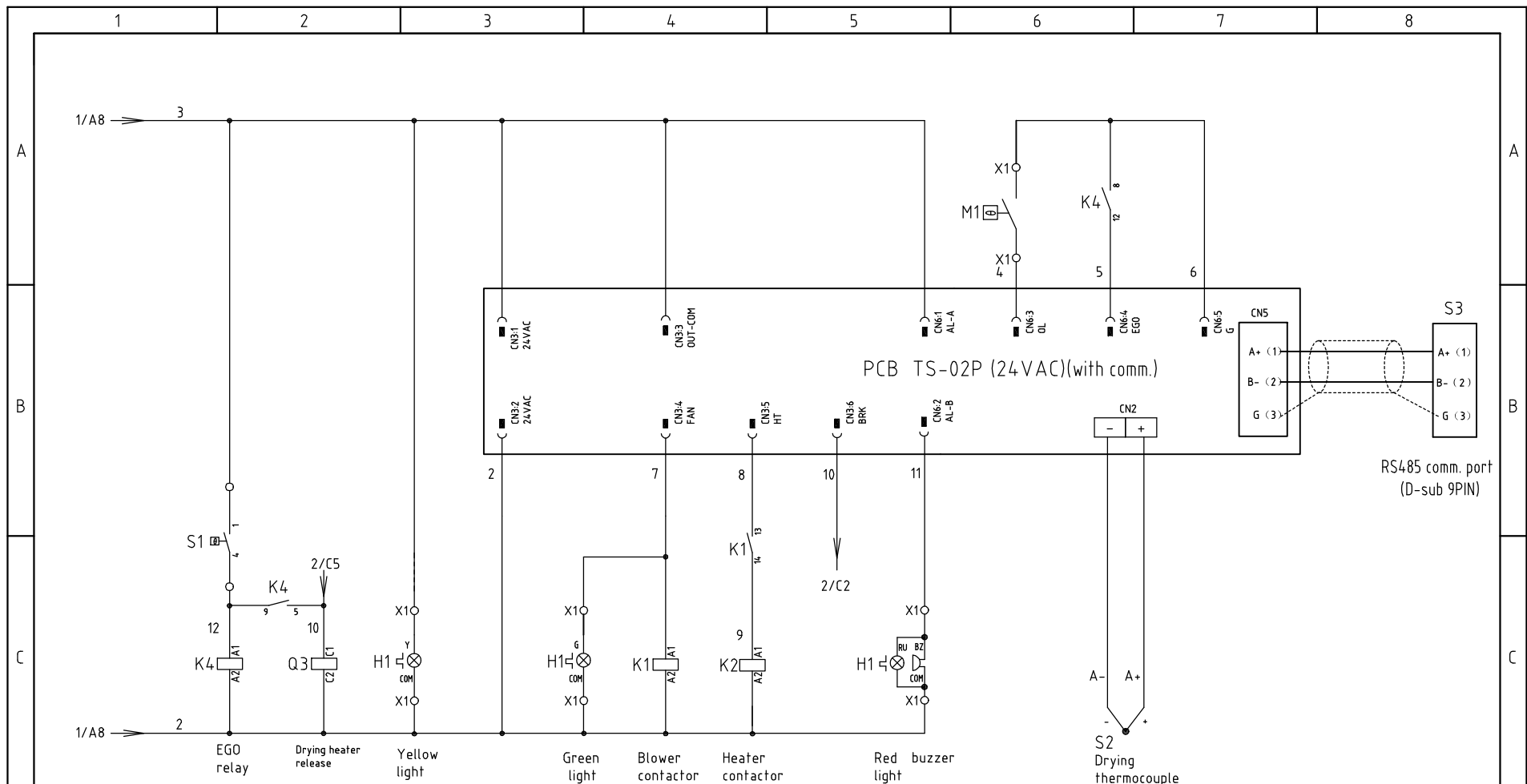


机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
					Proofread by		
					Designer	Version	C
					Drawer		

Title	SHD-300U/450U		Drawing NO.	SHD-300U/450U-CE-400V-J-1		Scale	Page 1	
	Main Circuit Diagram						Standard	CE
						Voltage		3φ400V
							Frequency	50Hz





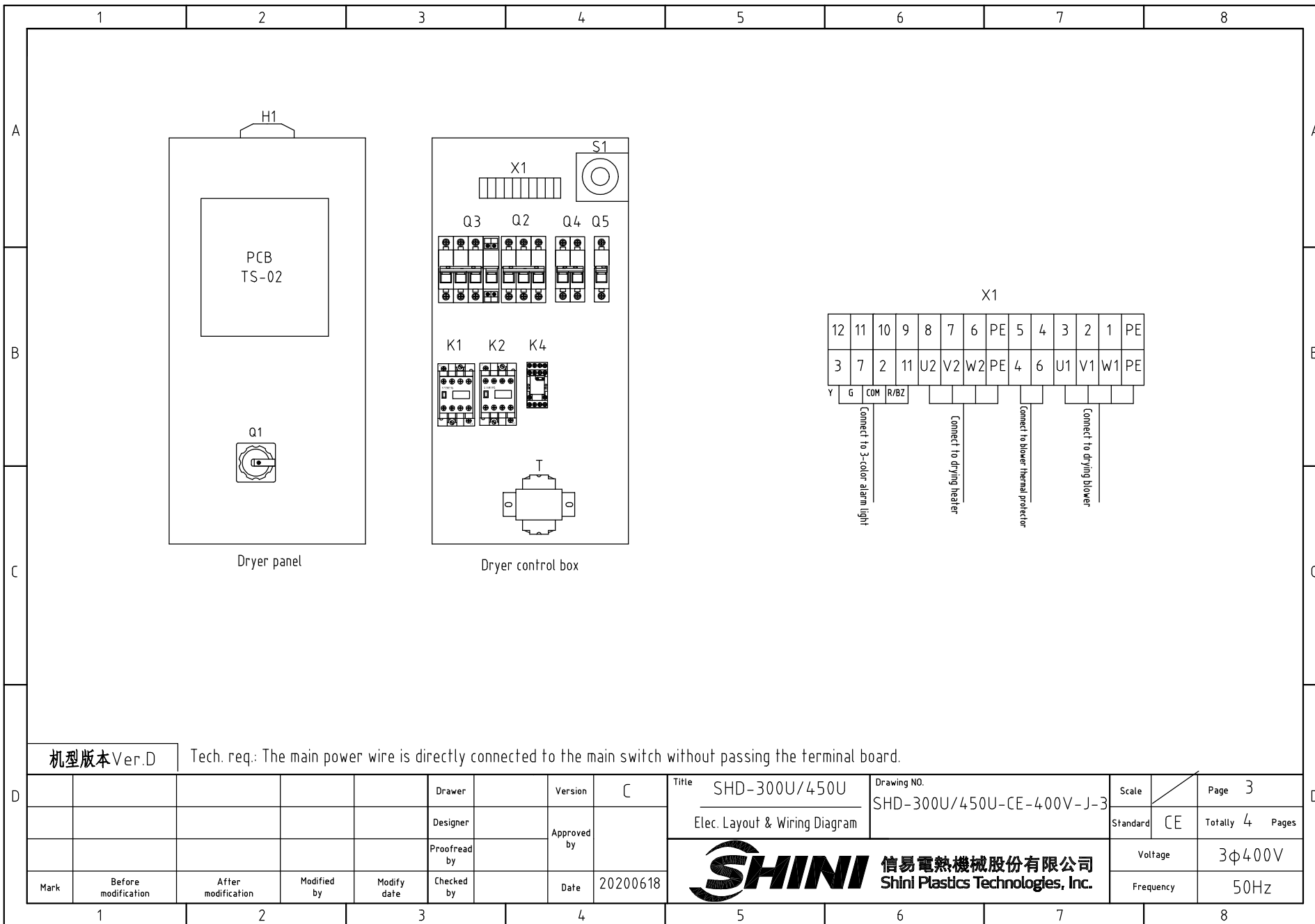
机型版本 Ver.D

Notes: M1 is the thermal overload protector of the drying blower.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
Drawer					Version	C	
Designer					Approved by		
Proofread by							

Title	SHD-300U/450U Control Circuit Diagram	Drawing NO.	SHD-300U/450U-CE-400V-J-2	Scale	Page 2
				Standard	CE
					Totally 4 Pages
				Voltage	3φ400V
				Frequency	50Hz





机型版本 Ver.D

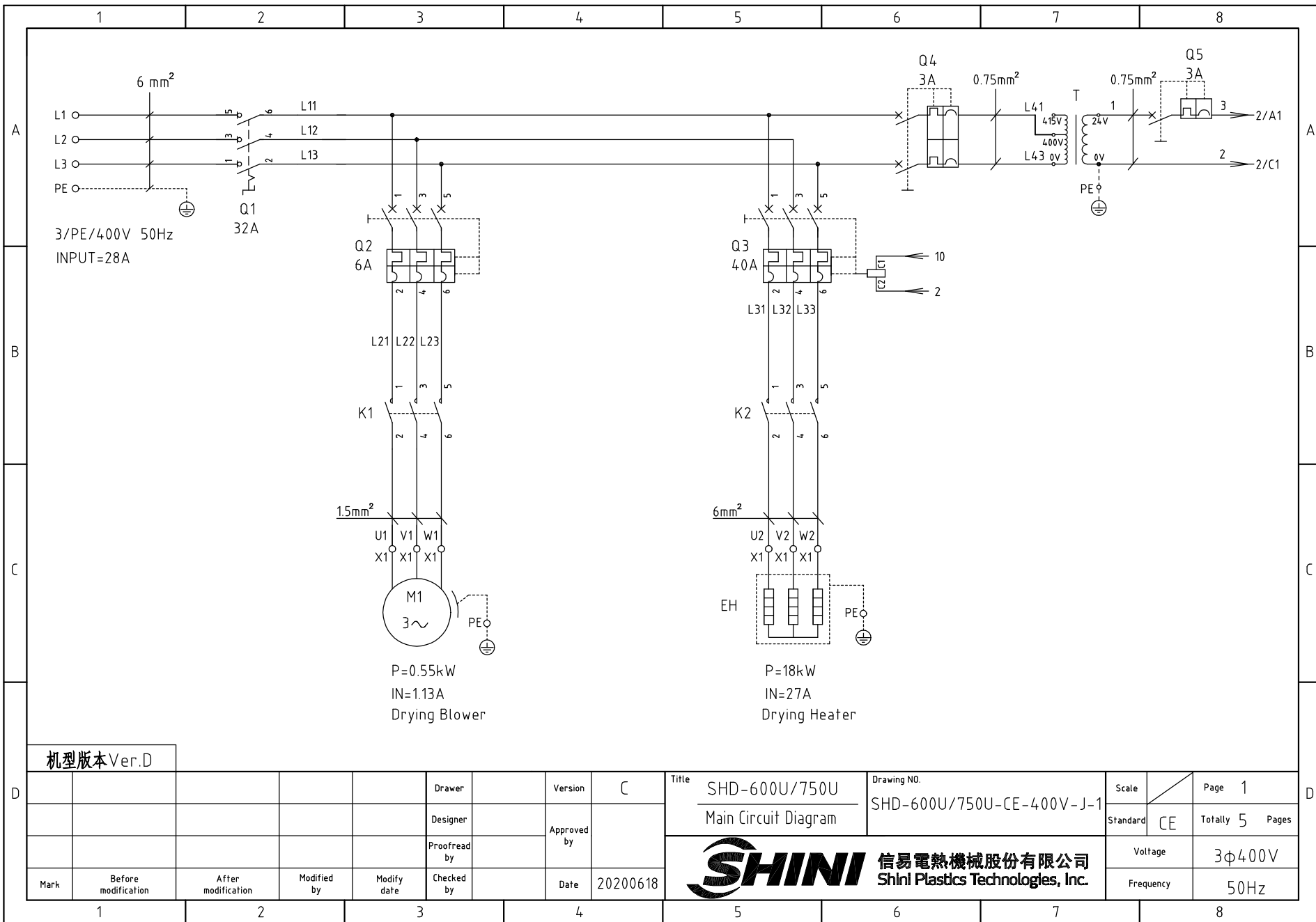
Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.

					Drawer		Version	C
					Designer		Approved by	
					Proofread by		Date	20200618
Mark	Before modification	After modification	Modified by	Modify date	Checked by			

Title		SHD-300U/450U		Drawing NO.		SHD-300U/450U-CE-400V-J-3		Scale	Page 3
		Elec. Layout & Wiring Diagram				Standard		CE	Totally 4 Pages
						Voltage		3φ400V	
						Frequency		50Hz	



1		2		3		4		5		6		7		8						
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark							
1	Q1	Main switch		EATON		TO-2-1/EA/SVB/25A		25A 3P 690V 50/60Hz		1	YE10125250000									
2	Q2	Circuit-breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000									
3	Q3	Circuit-breaker		TECO		BM-63C/3025S		25A 3P		1	YE40302503000									
4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000									
5	Q4	Circuit-breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000									
6	Q5	Circuit-breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000									
7	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500									
8	K2	交流接触器/Contactor		SIEMENS		3RT6027-1AC20		32A 3P 24V AC		1	YE00602702600		Cancel							
9	K2	AC contactor		SIEMENS		3RT6026-1AC20		25A 3P 24V AC		1	YE00602602600		New							
10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300									
11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500									
12	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200									
13	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150									
14	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)							
15	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200									
16		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000									
17	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel							
18	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New							
19	X1	Terminal board		HOEYWELL		SK4		4mm ²		8	YE60000403200									
20		Terminal board		HOEYWELL		GK5PE		4mm ² PE		2	YE60000403500									
21		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200									
22		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900									
23	M1	Blower		SHINI		0.18kW		400V50/60HZ		1	----		(1)							
24	EH1	Heater		SHINI		12kW		400V50/60HZ		1	----		(1)							
机型版本 Ver.D		Notes: (1)Materials not in the control box;																		
D					Drawer		Version		C		Title		SHD-300U/450U		Drawing NO.		Scale		Page 4	
					Designer		Approved by				Elec. Parts List 1		SHD-300U/450U-CE-400V-J-4		Standard		CE		Totally 4 Pages	
					Proofread by		Date		20200618		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
	Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			
1		2		3		4		5		6		7		8						

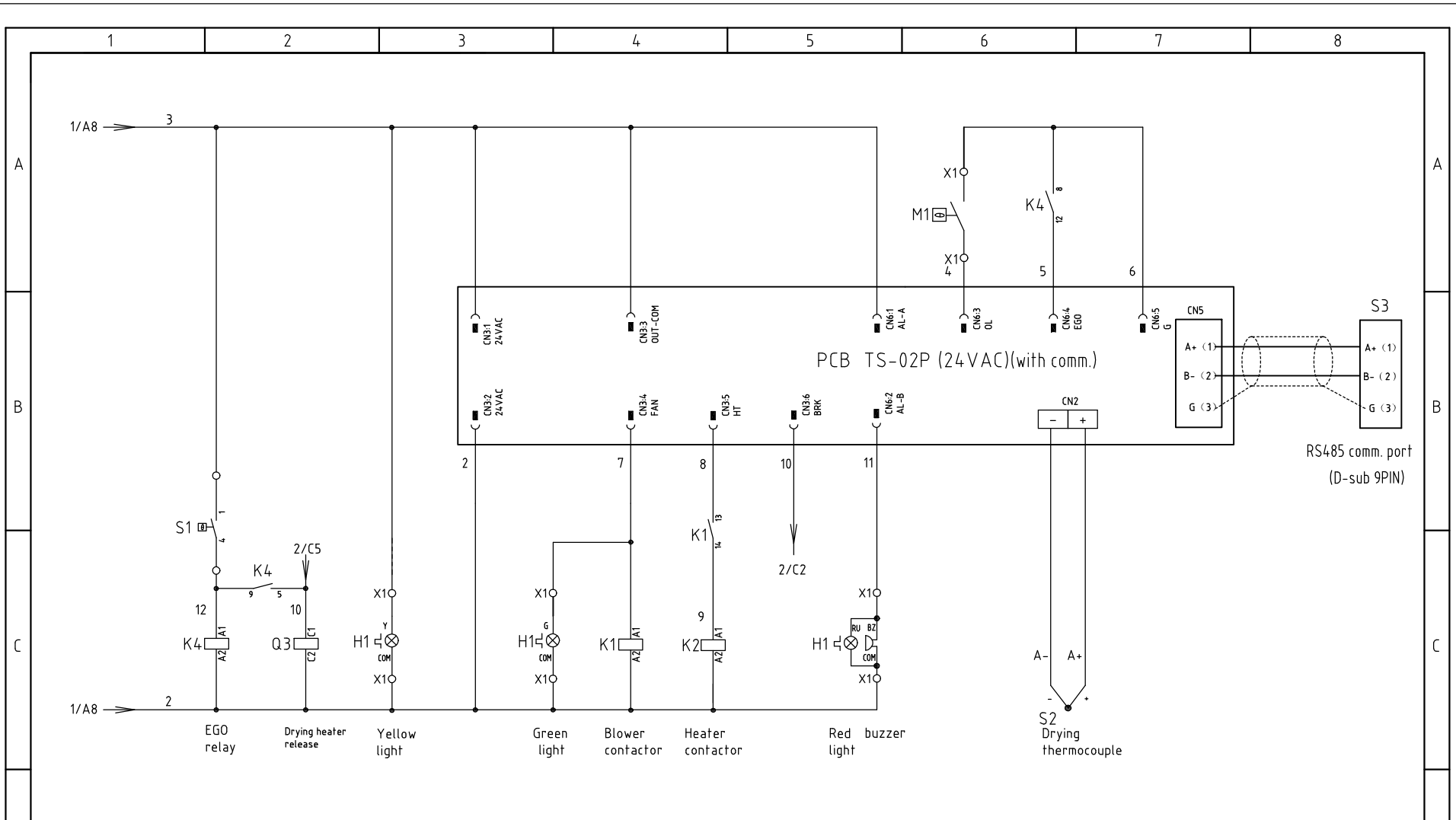


机型版本 Ver.D

D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
	Designer					Proofread by	Approved by	
	Drawer					Version	C	

Title		SHD-600U/750U Main Circuit Diagram		Drawing NO.		SHD-600U/750U-CE-400V-J-1		Scale	Page 1
				Standard		CE		Totally 5	Pages
				Voltage		3φ400V			
				Frequency		50Hz			



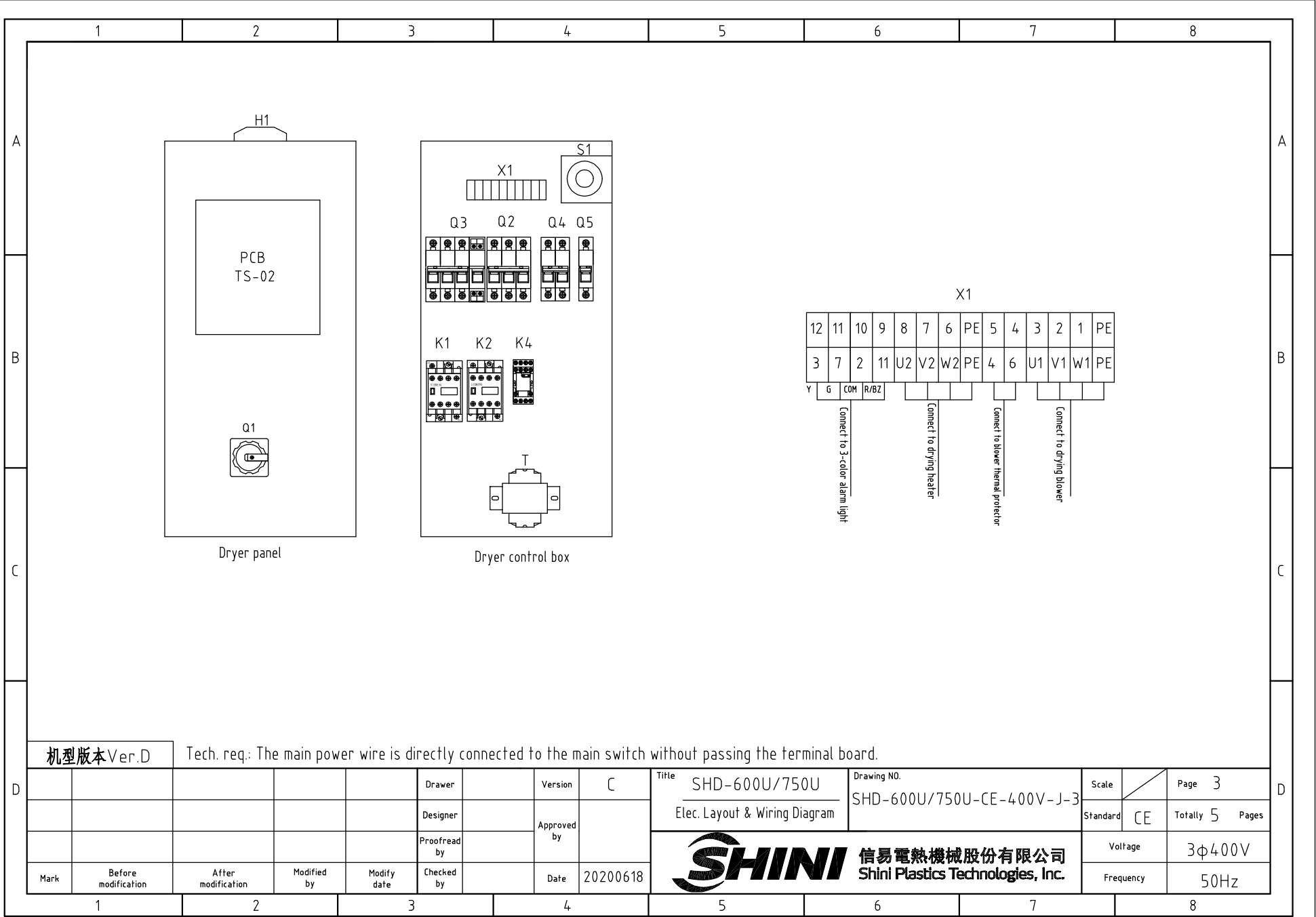


机型版本 Ver.D

Notes: M1 is the thermal overload protector of the drying blower.

D	Drawer	Version	C	Title	SHD-600U/750U Control Circuit Diagram	Drawing NO.	SHD-600U/750U-CE-400V-J-2	Scale	Page 2
	Designer	Approved by		Standard	CE	Totally 5 Pages			
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Voltage	3φ400V
								Frequency	50Hz





机型版本 Ver.D

Tech. req: The main power wire is directly connected to the main switch without passing the terminal board.

D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
						Proofread by	Approved by	
						Designer	Version	C
						Drawer		

Title SHD-600U/750U
Elec. Layout & Wiring Diagram

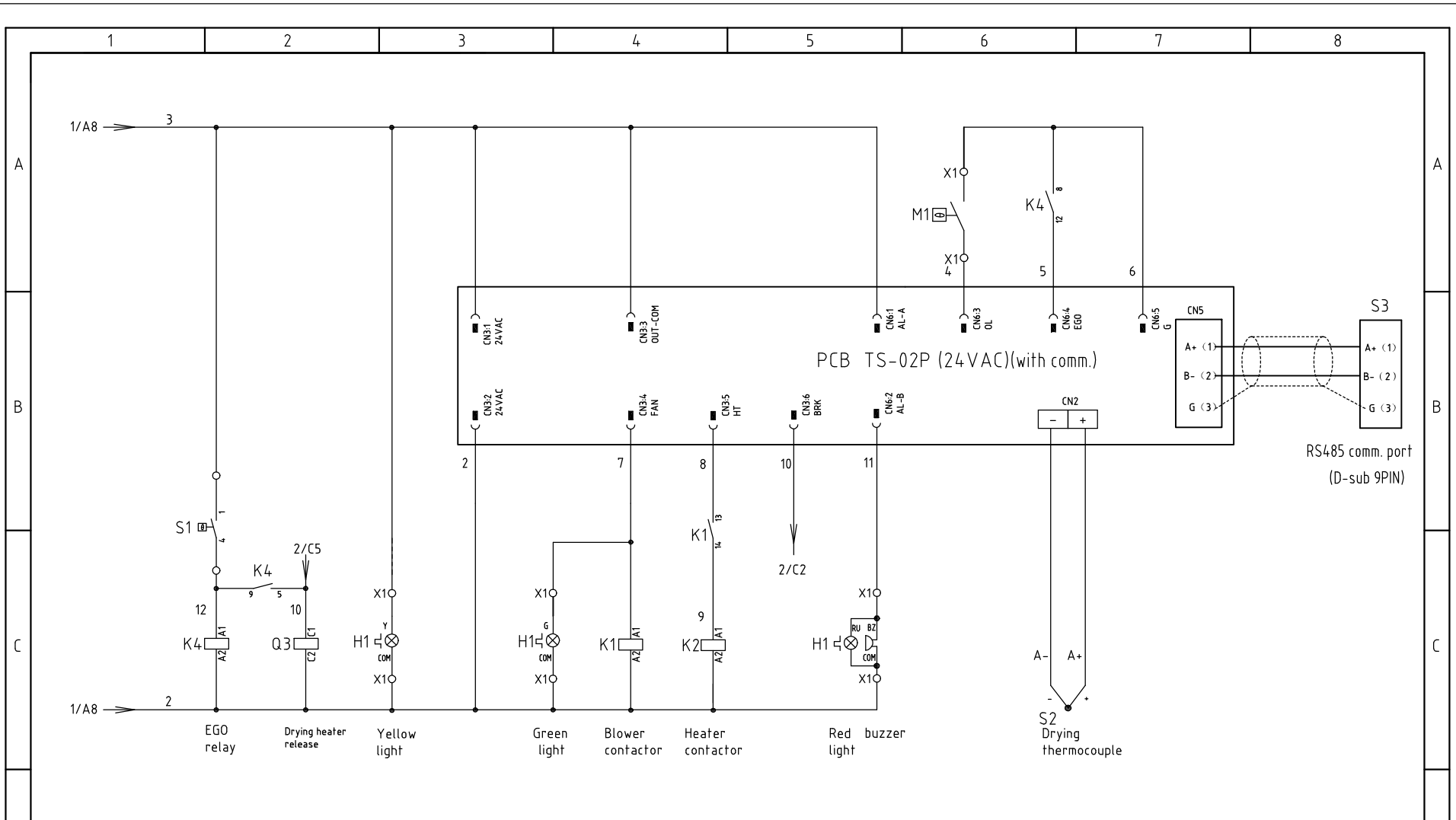
Drawing NO.
SHD-600U/750U-CE-400V-J-3

Scale	Page 3
Standard CE	Totally 5 Pages



Voltage	3φ400V
Frequency	50Hz

1		2		3		4		5		6		7		8						
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark							
1	Q1	Main switch		EATON		TO-2-1/EA/SVB/32A		32A 3P 690V 50/60Hz		1	YE10323200000									
2	Q2	Circuit breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000									
3	Q3	Circuit breaker		TECO		BM-63C/3040S		40A 3P		1	YE40304003000									
4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000									
5	Q4	Circuit-breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000									
6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000									
7	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500									
8	K2	交流接触器/Contactor		SIEMENS		3RT6028-1AC20		38A 3P 24V AC		1	YE00602802600		Cancel							
9	K2	AC contactor		SIEMENS		3RT6027-1AC20		32A 3P 24V AC		1	YE00602702600		New							
10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300									
11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500									
12	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200									
13	S1	Overheat protector		EGO		--		115-320 °C		1	BH90115000150									
14	S2	Thermocouple		SHINI		K TYPE		--		1	----		(1)							
15	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200									
16		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000									
17	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel							
18	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New							
19	X1	Terminal board		HOEYWELL		SK6		6mm ²		3	YE60000603200									
20		Terminal board		HOEYWELL		GK6PE		6mm ² PE		1	YE60000603500									
21		Terminal board		HOEYWELL		SK4		4mm ²		5	YE60000403200									
22		Terminal board		HOEYWELL		GK5PE		4mm ² PE		1	YE60000403500									
23		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200									
24		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900									
25	M1	Blower		SHINI		0.55kW		400V50/60HZ		1	----		(1)							
机型版本 Ver.D		Notes: (1)Materials not in the control box;																		
D					Drawer		Version		C		Title		SHD-600U/750U		Drawing NO.		Scale		Page 4	
					Designer		Approved by				Elec. Parts List 1		SHD-600U/750U-CE-400V-J-4		Standard		CE		Totally 5 Pages	
					Proofread by		Date		20200618		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
	Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			
1		2		3		4		5		6		7		8						



机型版本 Ver.D

Notes: M1 is the thermal overload protector of the drying blower.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
Drawer					Version	C	
Designer					Approved by		
Proofread by							

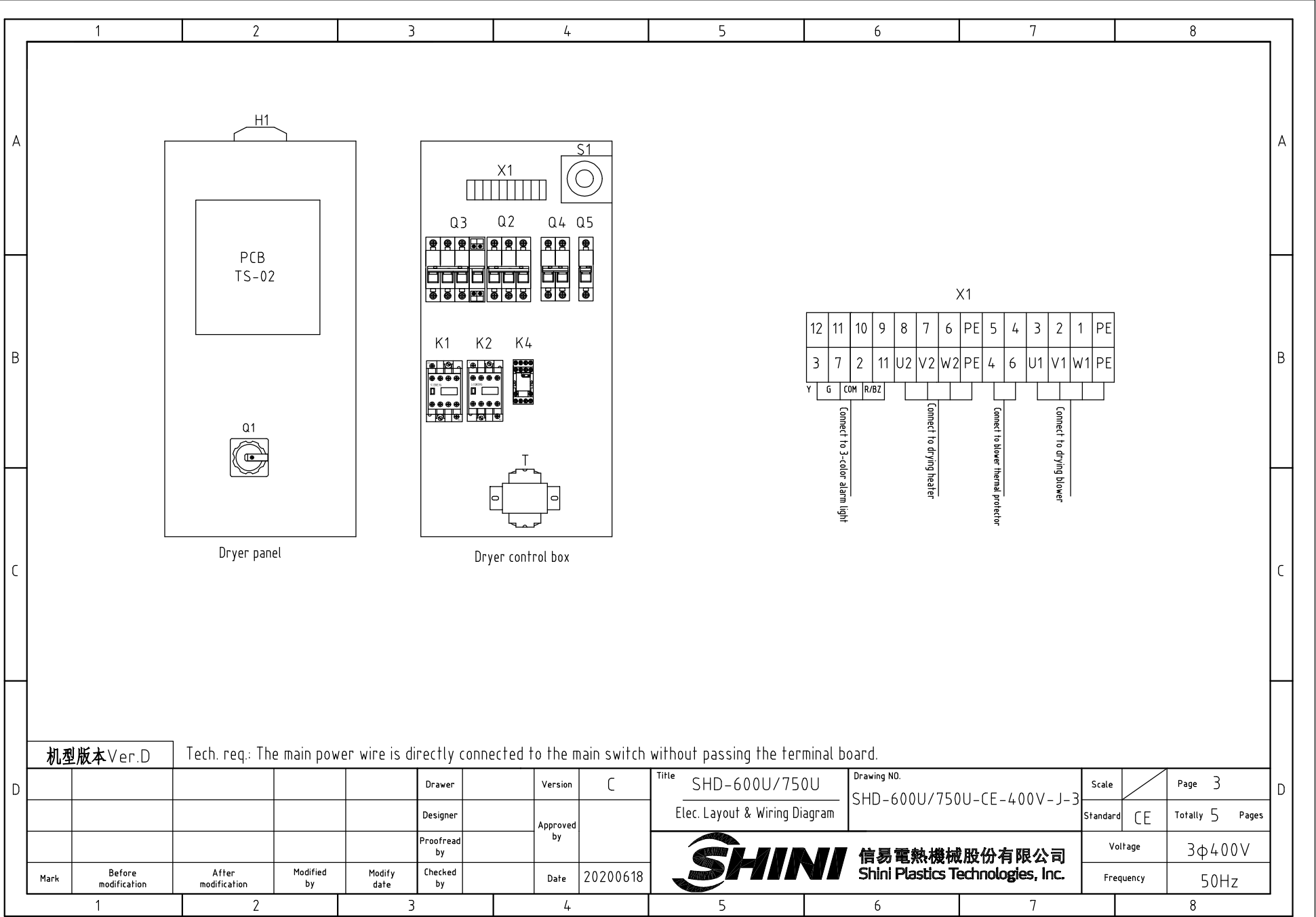
Title SHD-600U/750U
Control Circuit Diagram

Drawing NO. SHD-600U/750U-CE-400V-J-2

Scale	Page 2
Standard CE	Totally 5 Pages

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

Voltage	3φ400V
Frequency	50Hz



机型版本 Ver.D

Tech. req: The main power wire is directly connected to the main switch without passing the terminal board.

D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
						Proofread by	Approved by	
						Designer	Version	C
						Drawer		

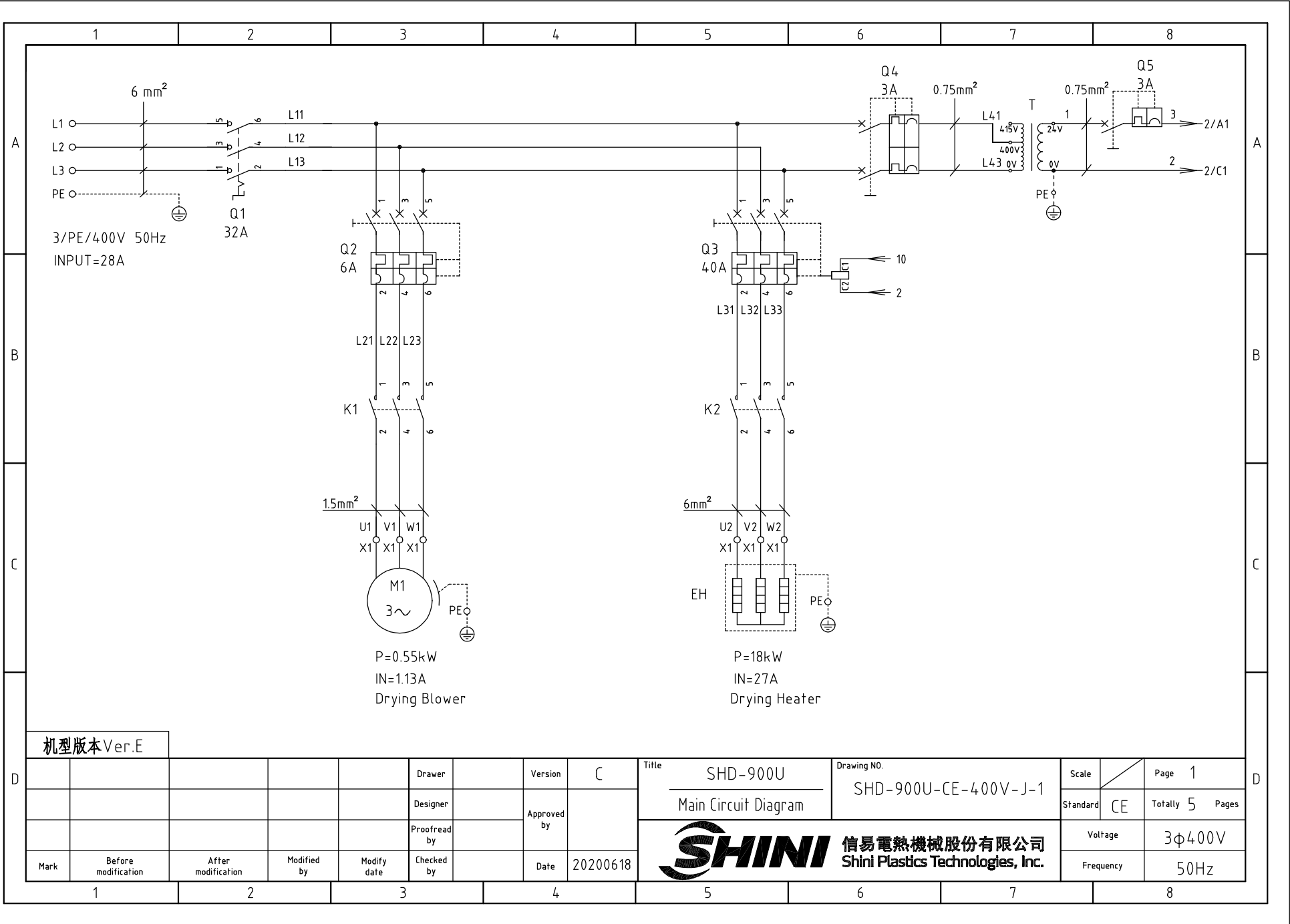
Title SHD-600U/750U
Elec. Layout & Wiring Diagram

Drawing NO. SHD-600U/750U-CE-400V-J-3




Scale	Page 3
Standard CE	Totally 5 Pages
Voltage	3φ400V
Frequency	50Hz

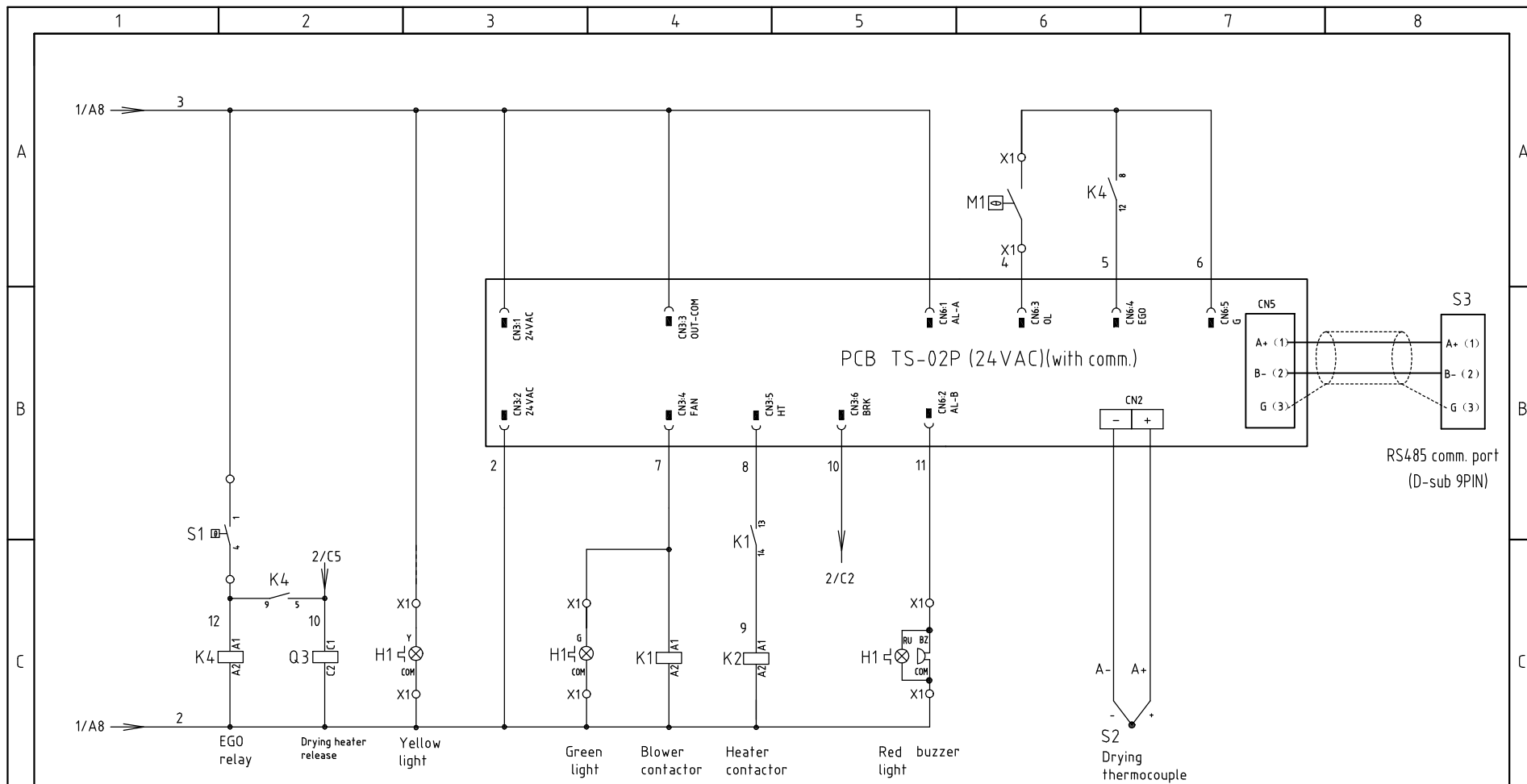
1		2		3		4		5		6		7		8						
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark							
1	Q1	Main switch		EATON		TO-2-1/EA/SVB/32A		32A 3P 690V 50/60Hz		1	YE10323200000									
2	Q2	Circuit breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000									
3	Q3	Circuit breaker		TECO		BM-63C/3040S		40A 3P		1	YE40304003000									
4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000									
5	Q4	Circuit-breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000									
6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000									
7	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500									
8	K2	交流接触器/Contactor		SIEMENS		3RT6028-1AC20		38A 3P 24V AC		1	YE00602802600		Cancel							
9	K2	AC contactor		SIEMENS		3RT6027-1AC20		32A 3P 24V AC		1	YE00602702600		New							
10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300									
11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500									
12	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200									
13	S1	Overheat protector		EGO		--		115-320 °C		1	BH90115000150									
14	S2	Thermocouple		SHINI		K TYPE		--		1	----		(1)							
15	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200									
16		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000									
17	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel							
18	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New							
19	X1	Terminal board		HOEYWELL		SK6		6mm ²		3	YE60000603200									
20		Terminal board		HOEYWELL		GK6PE		6mm ² PE		1	YE60000603500									
21		Terminal board		HOEYWELL		SK4		4mm ²		5	YE60000403200									
22		Terminal board		HOEYWELL		GK5PE		4mm ² PE		1	YE60000403500									
23		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200									
24		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900									
25	M1	Blower		SHINI		0.55kW		400V50/60HZ		1	----		(1)							
机型版本 Ver.D		Notes: (1)Materials not in the control box;																		
D					Drawer		Version		C		Title		SHD-600U/750U		Drawing NO.		Scale		Page 4	
					Designer		Approved by				Elec. Parts List 1		SHD-600U/750U-CE-400V-J-4		Standard		CE		Totally 5 Pages	
					Proofread by		Date		20200618		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
	Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			
1		2		3		4		5		6		7		8						



机型版本 Ver.E

D					Drawer		Version	C	Title	SHD-900U	Drawing NO.	Scale	Page	1
					Designer		Approved by		Main Circuit Diagram	SHD-900U-CE-400V-J-1	Standard	CE	Totally	5 Pages
D					Proofread by		Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage		3φ400V		
					Mark	Before modification	After modification	Modified by		Modify date	Frequency		50Hz	


1 2 3 4 5 6 7 8

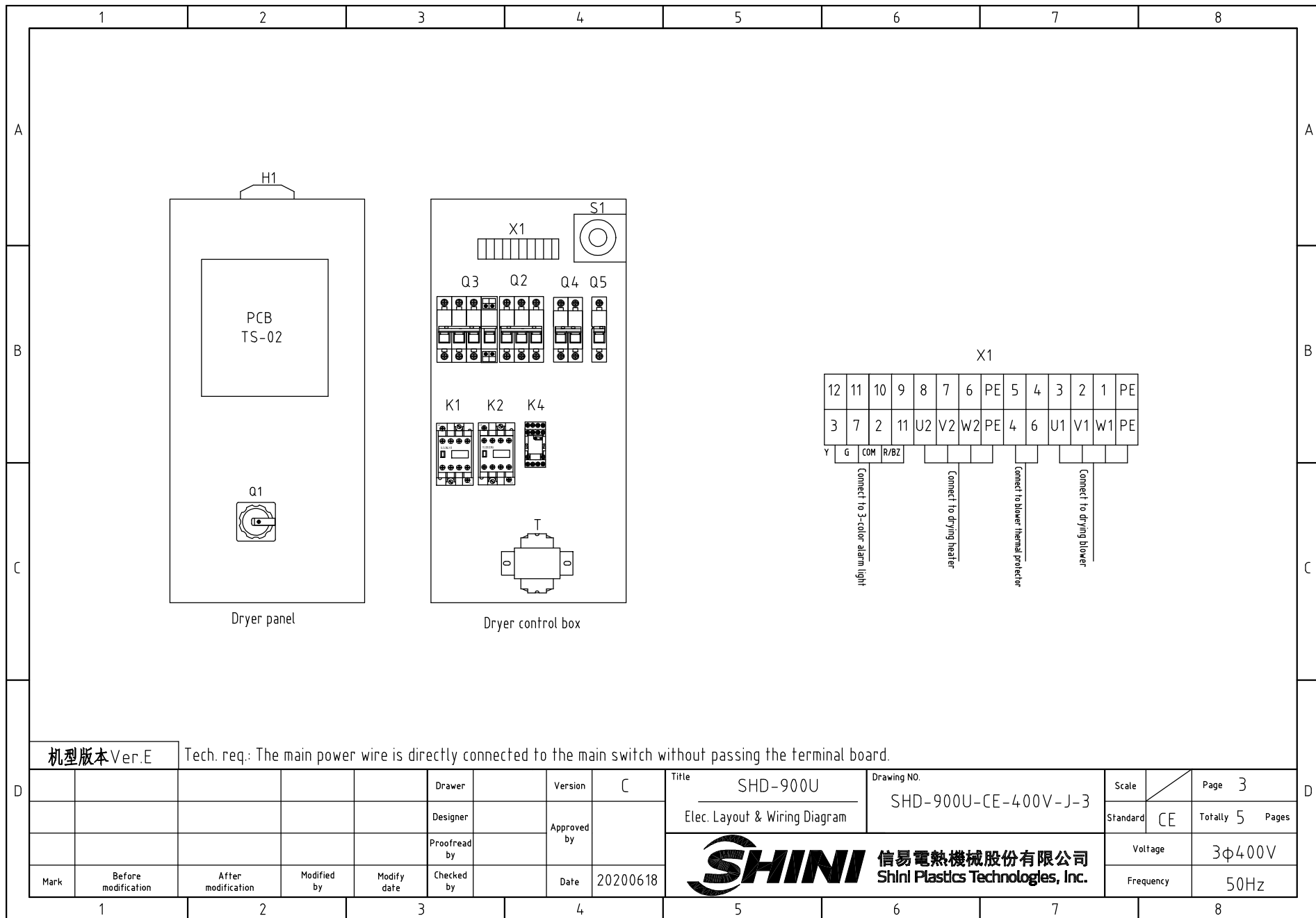


RS485 comm. port
(D-sub 9PIN)

机型版本 Ver.E

Notes: M1 is the thermal overload protector of the drying blower.

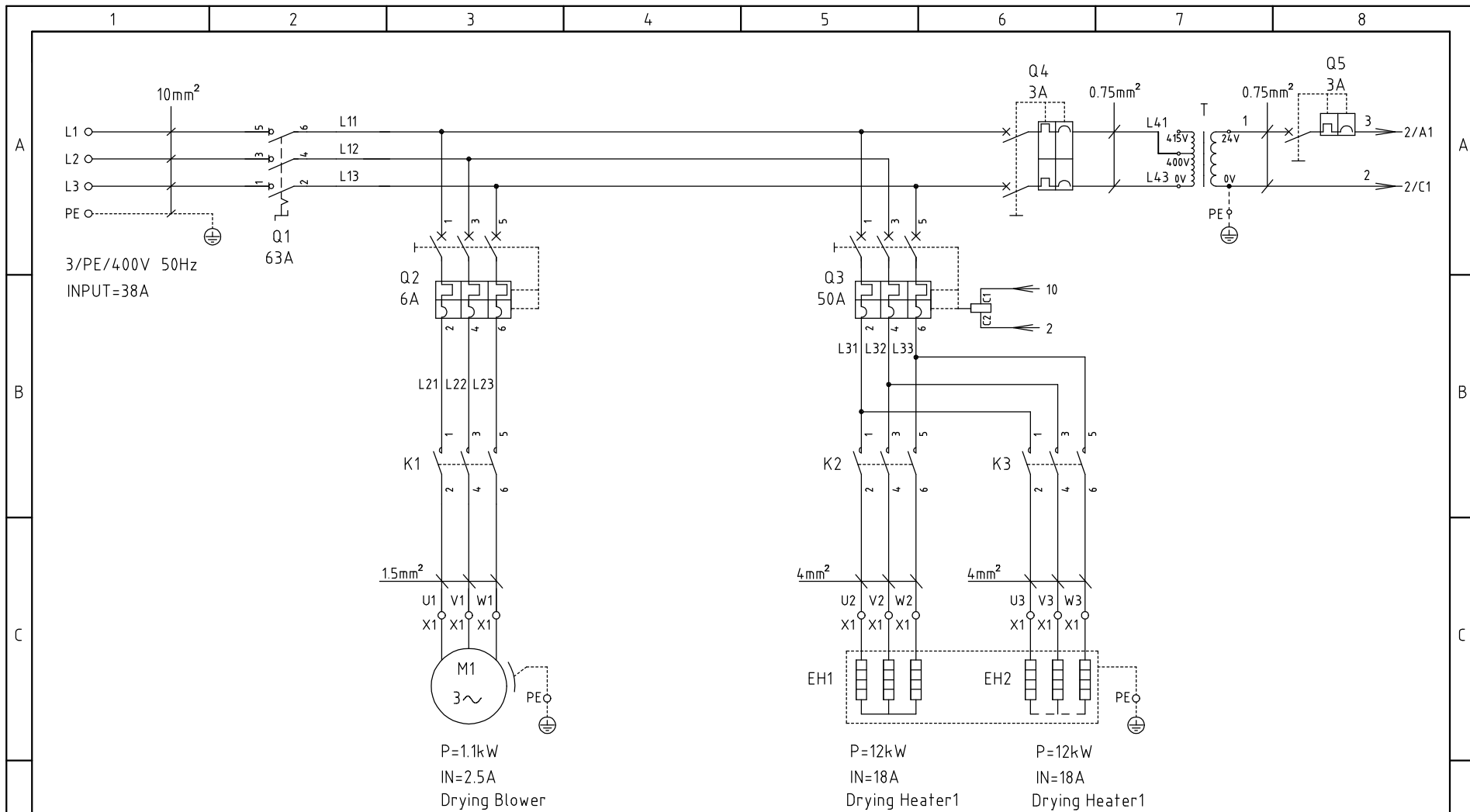
D	Drawer	Version	C	Title	SHD-900U	Drawing NO.	SHD-900U-CE-400V-J-2	Scale	Page	2
	Designer	Approved by		Control Circuit Diagram		Standard	CE	Totally	5	Pages
D	Proofread by	Date	20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V			
	Mark	Before modification	After modification			Modified by	Modify date	Checked by	Frequency	50Hz




机型版本 Ver.E				Tech. req.: The main power wire is directly connected to the main switch without passing the terminal board.			
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618
				Drawer	Version		C
				Designer	Approved by		
				Proofread by			
				Title		SHD-900U	
				Elec. Layout & Wiring Diagram		Drawing NO. SHD-900U-CE-400V-J-3	
				Scale		Page 3	
				Standard		CE	
				Voltage		3φ400V	
				Frequency		50Hz	
				Standard		Totally 5 Pages	

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

1		2		3		4		5		6		7		8						
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark							
1	Q1	Main switch		EATON		TO-2-1/EA/SVB/32A		32A 3P 690V 50/60Hz		1	YE10323200000									
2	Q2	Circuit breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000									
3	Q3	Circuit breaker		TECO		BM-63C/3040S		40A 3P		1	YE40304003000									
4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000									
5	Q4	Circuit-breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000									
6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000									
7	K1	AC contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500									
8	K2	交流接触器/Contactor		SIEMENS		3RT6028-1AC20		38A 3P 24V AC		1	YE00602802600		Cancel							
9	K2	AC contactor		SIEMENS		3RT6027-1AC20		32A 3P 24V AC		1	YE00602702600		New							
10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300									
11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		80VA		1	YE70040006500									
12	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200									
13	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150									
14	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)							
15	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200									
16		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000									
17	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel							
18	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New							
19	X1	Terminal board		HOEYWELL		SK6		6mm ²		3	YE60000603200									
20		Terminal board		HOEYWELL		GK6PE		6mm ² PE		1	YE60000603500									
21		Terminal board		HOEYWELL		SK4		4mm ²		5	YE60000403200									
22		Terminal board		HOEYWELL		GK5PE		4mm ² PE		1	YE60000403500									
23		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200									
24		Terminal fittings		HOEYWELL				PCS		5	YE60000003900									
25	M1	Blower		SHINI		0.55kW		400V50/60HZ		1	----		(1)							
机型版本 Ver.E		Notes: (1)Materials not in the control box;																		
D					Drawer		Version		C		Title		SHD-900U		Drawing NO.		Scale		Page 4	
					Designer		Approved by				Elec. Parts List 1		SHD-900U-CE-400V-J-4		Standard		CE		Totally 5 Pages	
					Proofread by		Date		20200618		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
	Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			
1		2		3		4		5		6		7		8						



机型版本Ver.E

				Drawer	Version		C	Title	SHD-1200U		Scale	Page		1
				Designer	Approved by			Main Circuit Diagram	SHD-1200U-CE-400V-J-1		Standard	CE		Totally 4 Pages
				Proofread by	Date		20200618	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage		3φ400V			
Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency		50Hz			

1

2

3

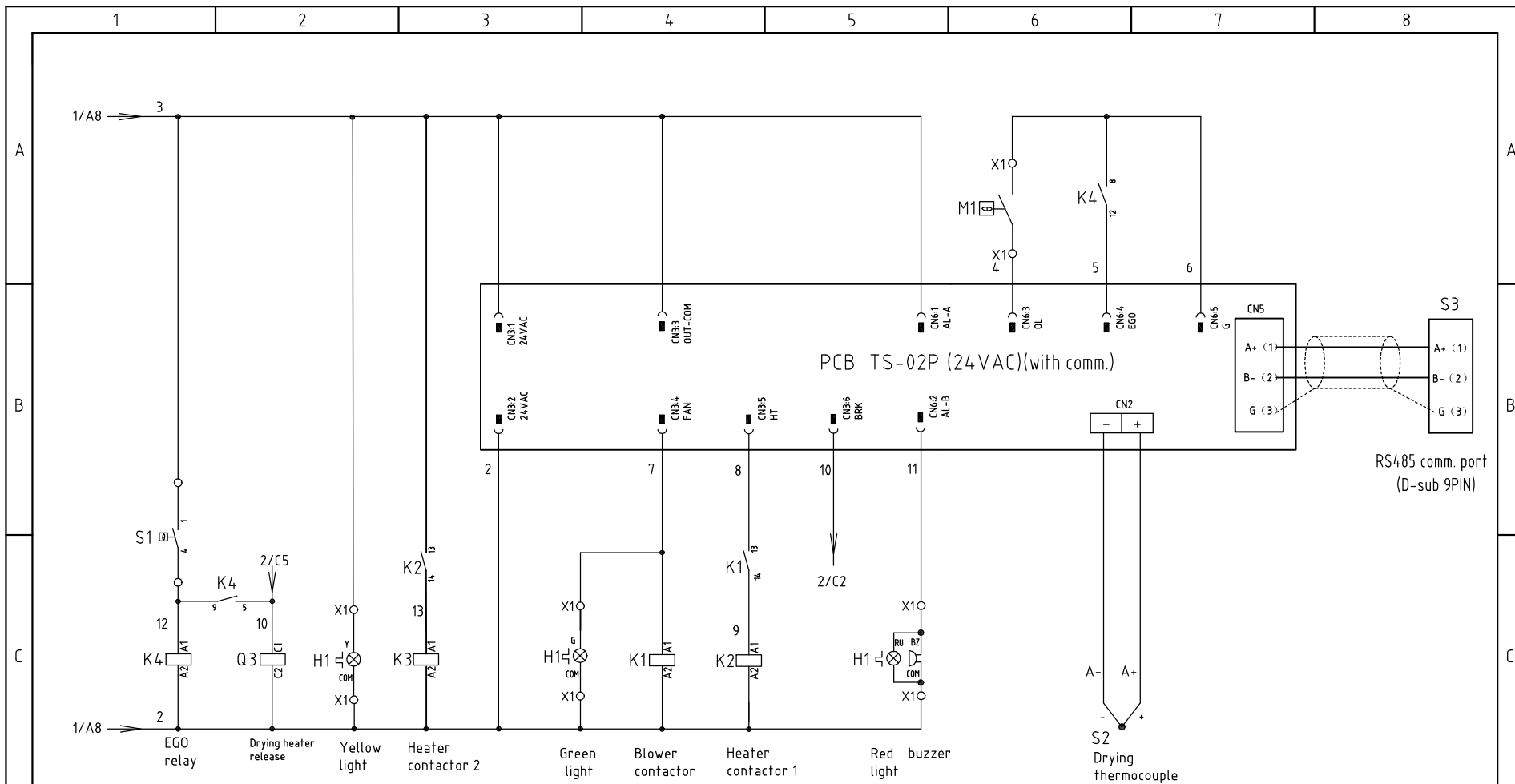
4

5

6

7

8



机型版本 Ver.E

Notes: M1 is the thermal overload protector of the drying blower.

D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Title SHD-1200U Control Circuit Diagram	Drawing NO. SHD-1200U-CE-400V-J-2	Scale	Page	2		
											Standard	CE	Totally	4	Pages
											Voltage	3φ400V			
											Frequency	50Hz			



1

2

3

4

5

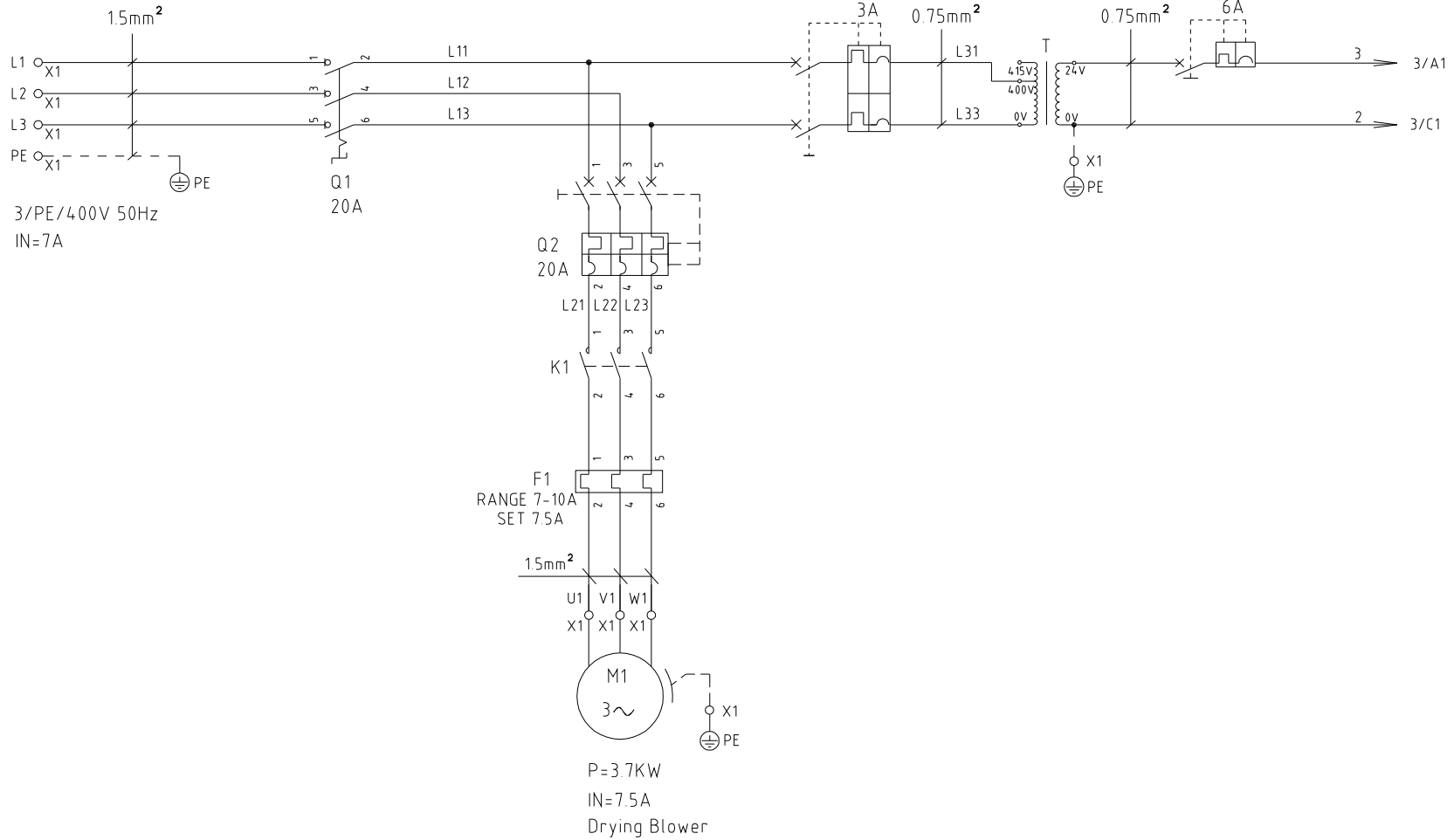
6

7

8

1		2		3		4		5		6		7		8	
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
1	Q1	Main switch		EATON		P3-63/EA/SVB		63A 3P 690V 50/60Hz		1	YE10636300000				
2	Q2	Circuit-breaker		TECO		BM-63C/3006S		6A 3P		1	YE40300603000				
3	Q3	Circuit-breaker		TECO		BM-63C/3050S		50A 3P		1	YE40305003000				
4		Excitation Break Away		YIJIN		MX		24V 50/60Hz		1	YE40024000000				
5	Q4	Circuit breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000				
6	Q5	Circuit breaker		TECO		BM-63C/1006S		6A 1P		1	YE40100600100				
7	K1	Contactor		SIEMENS		3RT6015-1AB01		7A 3P 1N0 24V AC		1	YE00601502500				
8	K2 K3	交流接触器/Contactor		SIEMENS		3RT6027-1AC20		32A 3P 24V AC		2	YE00602702600		Cancel		
9	K2 K3	AC contactor		SIEMENS		3RT6026-1AC20		25A 3P 24V AC		2	YE00602602600		New		
10	K4	Middle relay		HONEYWELL		GR-2C-AC24V base PRG-2C-E		24V 50/60Hz		1	YE03022400300				
11	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V		120VA		1	YE70040006600				
12	PCB	Dryer controller/PCB		PUMP		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022405200				
13	S1	Overheat protector		EGO		----		115-320 °C		1	BH90115000150				
14	S2	Thermocouple		SHINI		K TYPE		----		1	----		(1)		
15	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
16		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000				
17	H1	三色警报灯/Alarm lamp		SHINI		红黄绿色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel		
18	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New		
19	X1	Terminal board		HOEYWELL		SK4		4mm ²		11	YE60000403200				
20		Terminal board		HOEYWELL		GK5PE		4mm ² PE		2	YE60000403500				
21		Terminal board		HOEYWELL		SK2.5		2.5mm ²		4	YE60002503200				
22		Terminal fittings		HOEYWELL		----		PCS		5	YE60000003900				
23	M1	Blower		SHINI		1.1kW		400V50/60HZ		1	----		(1)		
24	EH1	Heater		SHINI		24kW		400V50/60HZ		1	----		(1)		
机型版本 Ver.E		Notes: (1)Materials not in the control box;													
D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200618	Title SHD-1200U Elec. Parts List 1		Drawing NO. SHD-1200U-CE-400V-J-4		Scale	Page 4	
						Designer	Approved by					Standard	CE	Totally 4 Pages	
						Proofread by							Voltage	3φ400V	
													Frequency	50Hz	
1		2		3		4		5		6		7		8	



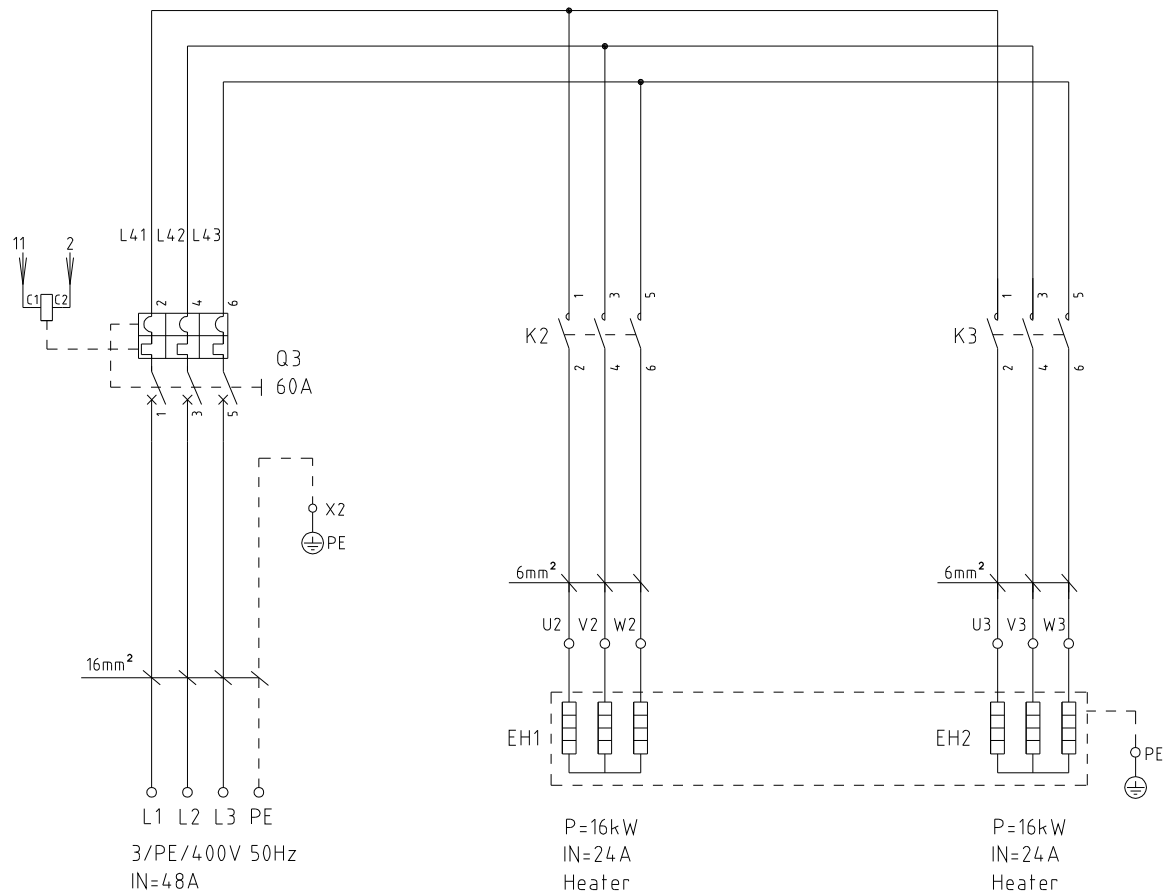


机型版本 Ver.D


Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617	SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Scale	Page 1	
									Standard	CE	Totally 6 Pages
										Voltage	3φ400V
										Frequency	50Hz

Title SHD-1500U/2000U
Main Circuit Diagram 1

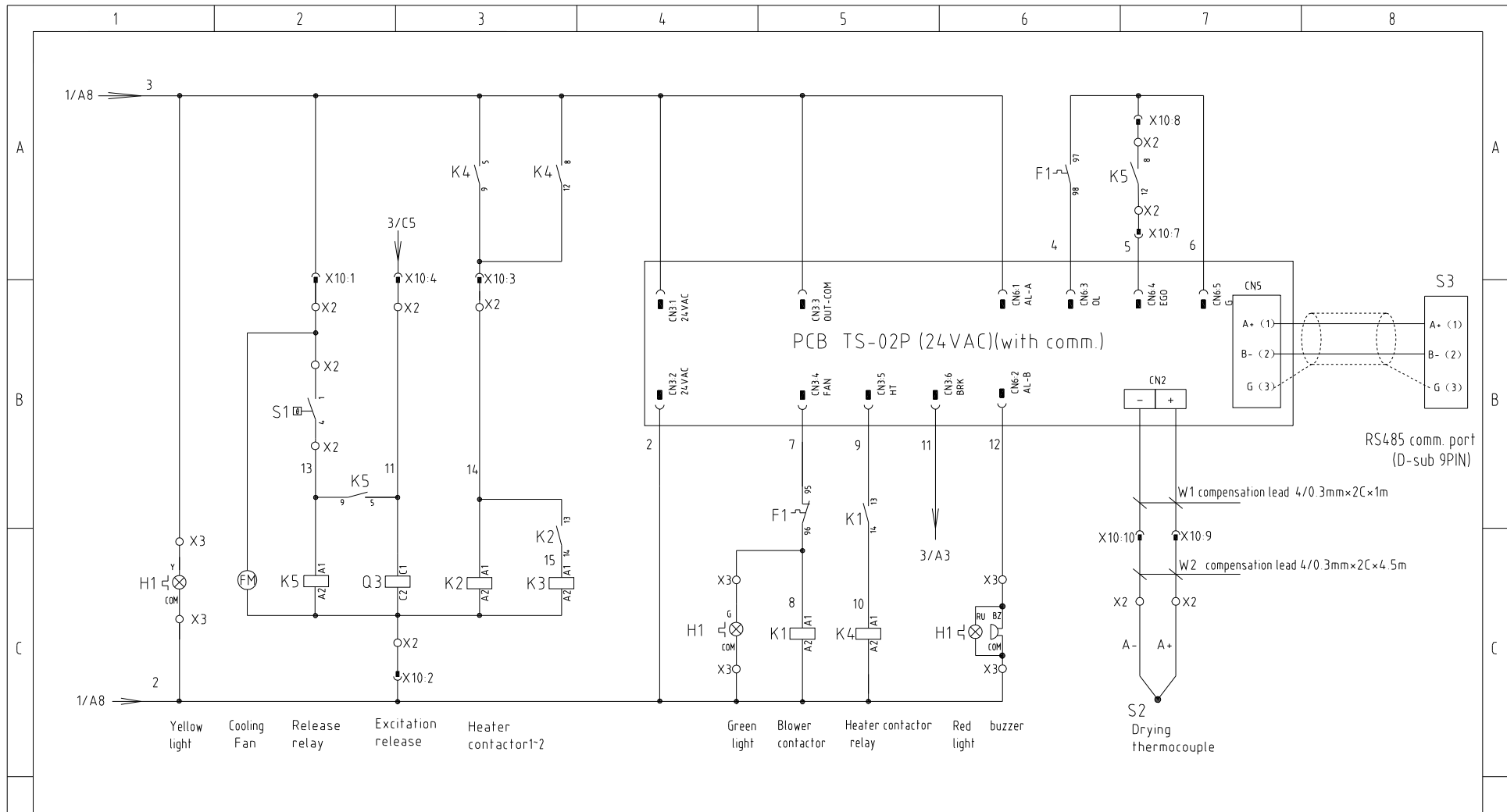
Drawing NO SHD-1500U/2000U-CE-400V-J-1



机型版本 Ver.D

D					Drawer	Version	J	Title	SHD-1500U/2000U	Drawing NO	SHD-1500U/2000U-CE-400V-J-2	Scale	Page	2
					Designer	Approved by		Main Circuit Diagram 2		Standard	CE	Totally	6	Pages
					Proofread by	Date	20200617	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.					Voltage	3φ400V
	Mark	Before modification	After modification	Modified by	Modify date	Checked by							Frequency	50Hz

1 2 3 4 5 6 7 8



Notes: The compensation lead wire must be connected between the TS-02 controller and heavy-duty connector X10.
 The compensation lead wire must be connected from the terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617
			Proofread by		Approved by		
			Designer		Version	J	
			Drawer				

Title: SHD-1500U/2000U
 Control Circuit Diagram

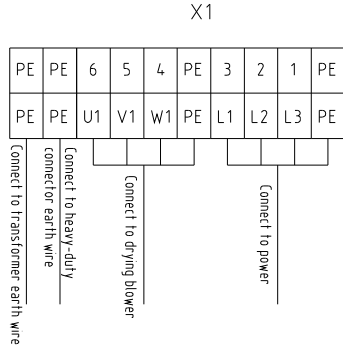
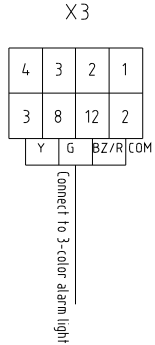
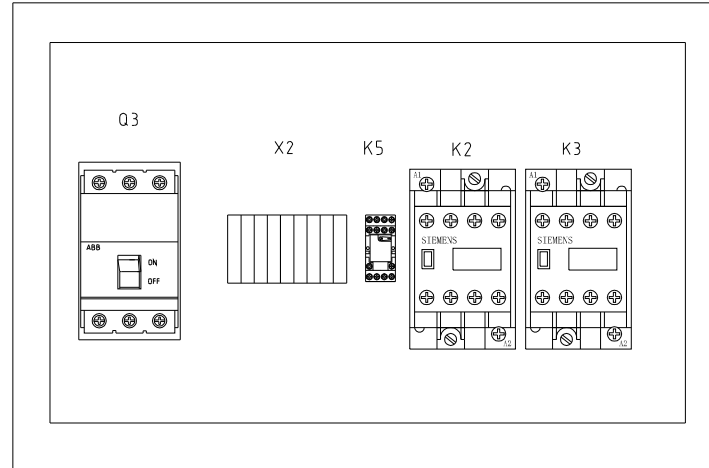
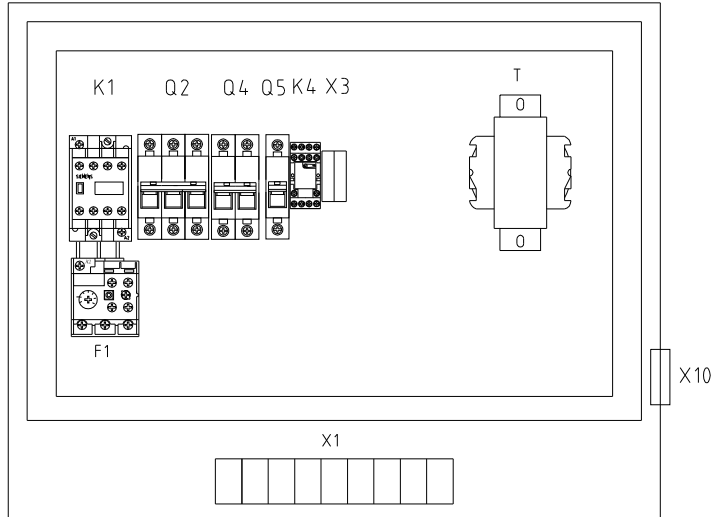
Drawing NO: SHD-1500U/2000U-CE-400V-J-3

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

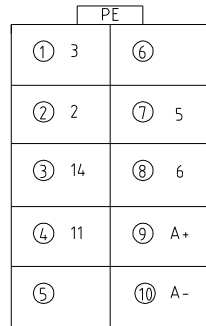
Scale	Page 3
Standard	Totally 6 Pages
Voltage	3φ400V
Frequency	50Hz

Drying blower control box

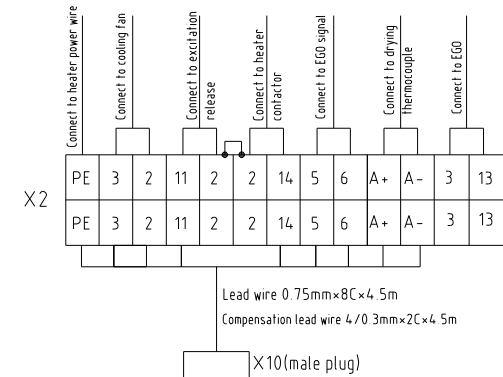
Heater control box



X10(heavy-duty connector 10P)



No.	Function	Description
1	3	AC24V power
2	2	
3	14	Heater enabling signal
4	11	Releasing signal
5		Reserved
6		
7	5	EGO overheat signal
8	6	
9	A+	Thermocouple
10	A-	



Tech. Req.1. The power wire of heater control box's host unit is directly connected to the break interlock without passing the terminal board.
2. The heater wire is directly connected to the heater contactor without passing the terminal board.

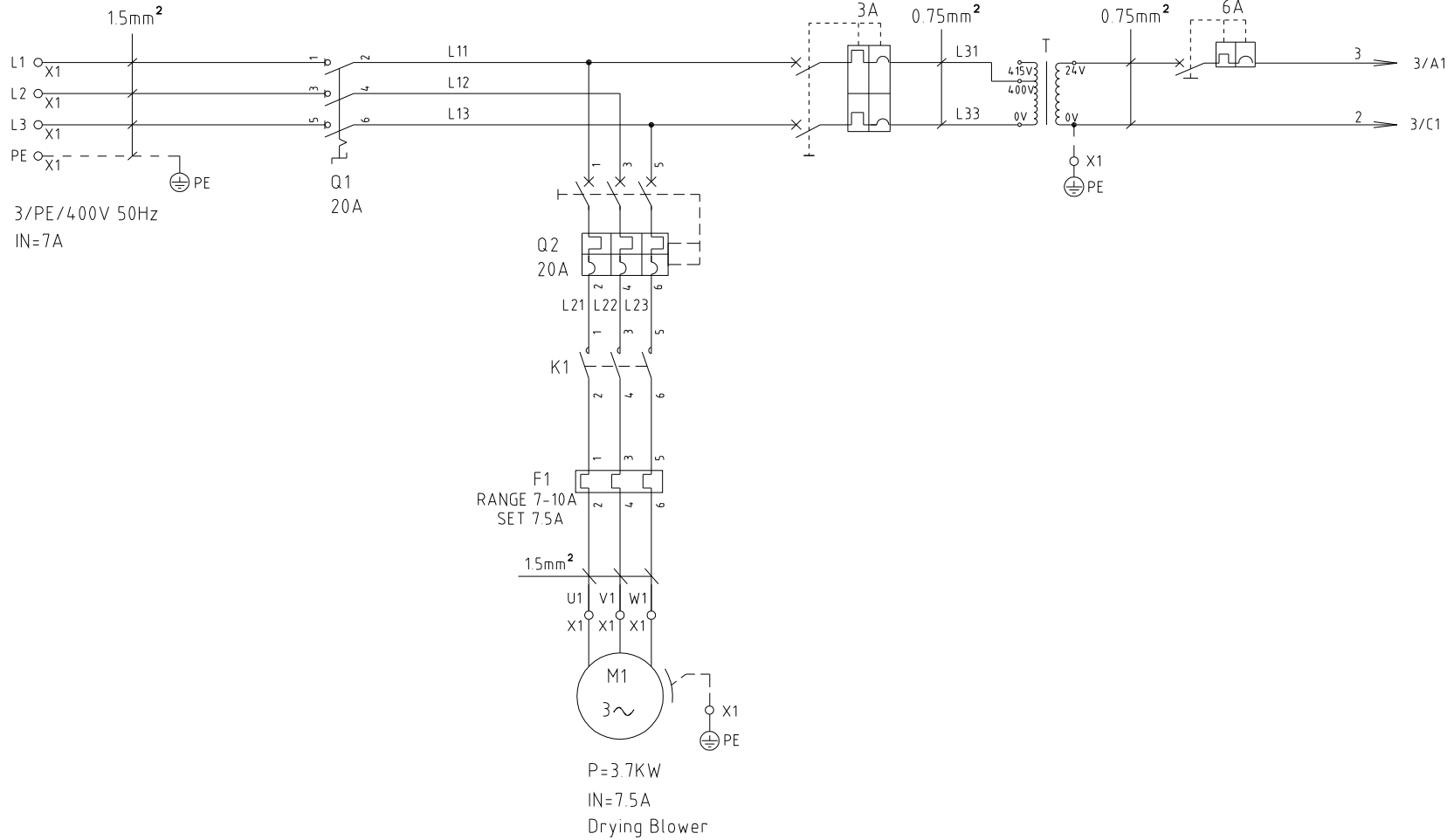
机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617
					Drawer	Version	J
					Designer	Approved by	
					Proofread by		

Title	SHD-1500U/2000U Elec. Layout & Wiring Diagram	Drawng NO	SHD-1500U/2000U-CE-400V-J-4	Scale	Page 4
				Standard	CE
				Voltage	3φ400V
				Frequency	50Hz



1		2		3		4		5		6		7		8					
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark						
1	Q1	Main switch		EATON		T0-2-1/EA/SVB		20A 3P 690V 50/60Hz		1	YE10021160000								
2	Q2	Circuit breaker		TECO		BM-63C/3020S		20A 3P		1	YE40302003000								
3	Q3	Circuit breaker		ABB		A1A125 TMF60/6003PFF		60A 3P		1	YE41106200000								
4		Excitation release		ABB		SOR-C		24V-30V AC/DC(A1A2)		1	YE40243000900								
5	Q4	Circuit breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000								
6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000								
7	K1	交流接触器/Contactor		SIEMENS		3RT6016-1AB01		9A 24V AC 1NO		1	YE00601602500		Cancel						
8	K1	AC contactor		SIEMENS		3RT6017-1AB01		12A 24V AC 1NO		1	YE00601702500		New						
9	K2 K3	AC contactor		SIEMENS		3RT6027-1AC20		32A 24V AC		2	YE00602702600								
10	K4 K5	Middle relay		HONEYWELL		GR-2C-AC24V		24V 50/60Hz		1	YE03022400300								
11	F1	Overload relay		SIEMENS		3RU6116-1JB0		7-10A		1	YE01167100000								
12	T	Sensor transformer		JIUXIN		IN=400V/415V OUT=24V		120VA		1	YE70040006600								
13	PCB	PCB		PUMP		TS-02P(24V) Bump		24V 50/60Hz		1	YE80022405200								
14	S1	Overheat protector		EGO		115-320℃		250V 16A		1	----		(1)						
15	S2	Thermocouple		SHINI		5×93L×M8×7M		----		1	----		(1)						
16	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200								
17		Shell RS485(SAL-700G-A-19)ver 0		BINCHENG		----		----		1	YR40048500000								
18	H1	三色警报灯/Alarm lamp		SHINI		红绿黄色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel						
19	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New						
20	X1	Terminal board		HONEYWELL		SK2.5		2.5mm ²		6	YE60002503200								
21		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		4	YE60002503400								
22	X2	Terminal board		HONEYWELL		GK16PE		16mm ² PE		1	YE60001603500								
23		Terminal board		HONEYWELL		SK2.5		2.5mm ²		12	YE60002503200								
24	X3	Terminal board		HONEYWELL		SK2.5		2.5mm ²		4	YE60002503200								
25		Terminal fittings		HONEYWELL		GK series		----		5	YE60000003900								
机型版本 Ver.D		Notes: (1)Materials not in the control box;																	
				Drawer		Version		J		Title		SHD-1500U/2000U		Drawing NO		Scale		Page 5	
				Designer		Approved by				Elec. Parts List 1		SHD-1500U/2000U-CE-400V-J-5		Standard		CE		Totally 6 Pages	
				Proofread by		Date		20200617		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			
1		2		3		4		5		6		7		8					

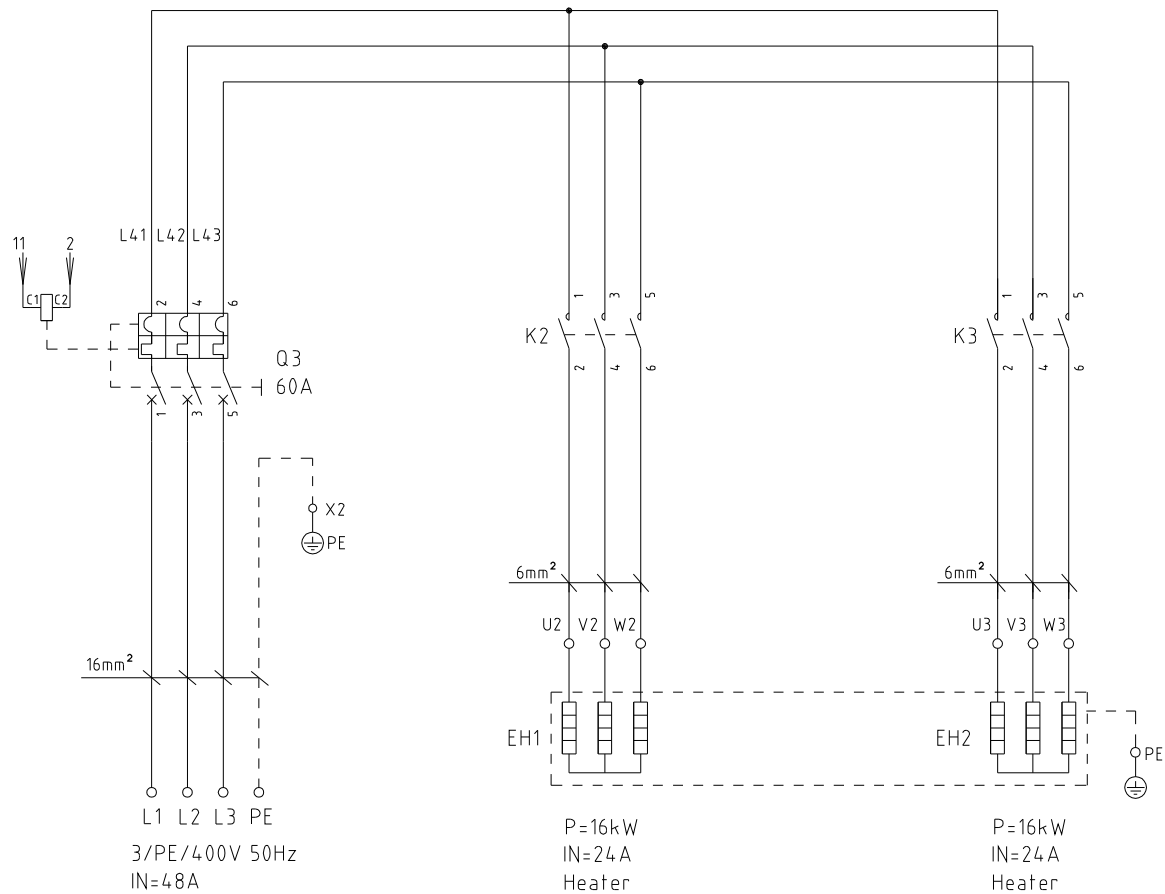


机型版本 Ver.D


D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617	Drawer	Version	J	Title	SHD-1500U/2000U Main Circuit Diagram 1	Drawing NO	SHD-1500U/2000U-CE-400V-J-1	Scale	Page	1
									Designer	Approved by					Standard	CE	Totally	6
									Proofread by							Voltage	3φ400V	
																Frequency	50Hz	

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

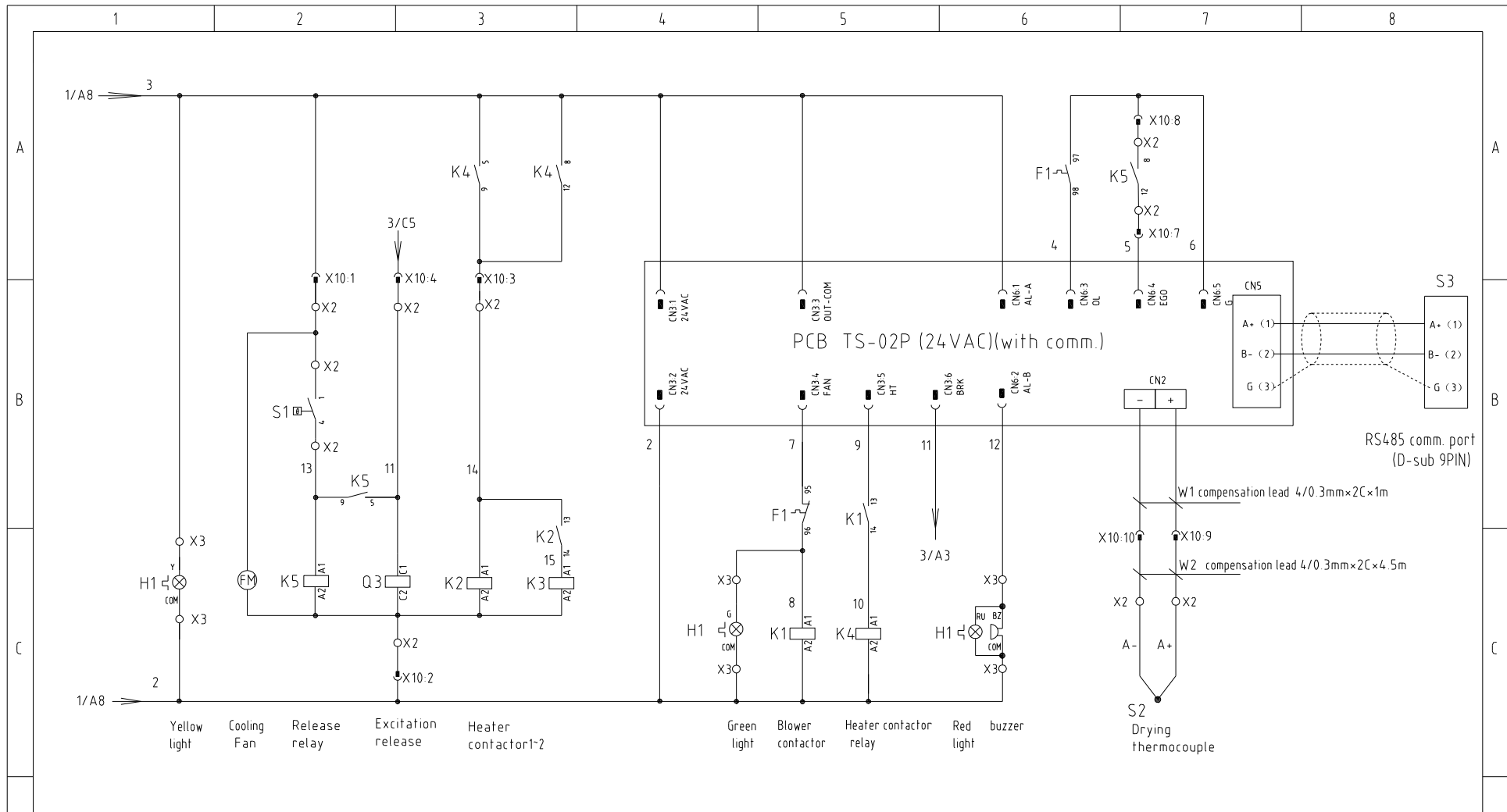
1 2 3 4 5 6 7 8



机型版本 Ver.D

D					Drawer	Version	J	Title	SHD-1500U/2000U	Drawing NO	SHD-1500U/2000U-CE-400V-J-2	Scale	Page	2
					Designer	Approved by		Main Circuit Diagram 2		Standard	CE	Totally	6	Pages
					Proofread by	Date	20200617	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.					Voltage	3φ400V
	Mark	Before modification	After modification	Modified by	Modify date	Checked by							Frequency	50Hz

1 2 3 4 5 6 7 8



Notes: The compensation lead wire must be connected between the TS-02 controller and heavy-duty connector X10.
 The compensation lead wire must be connected from the terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

机型版本 Ver.D

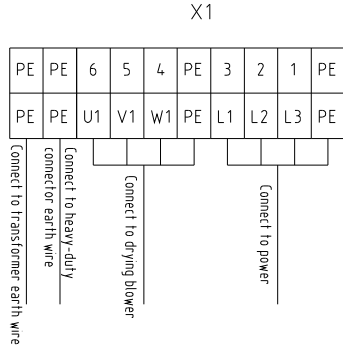
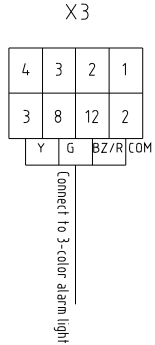
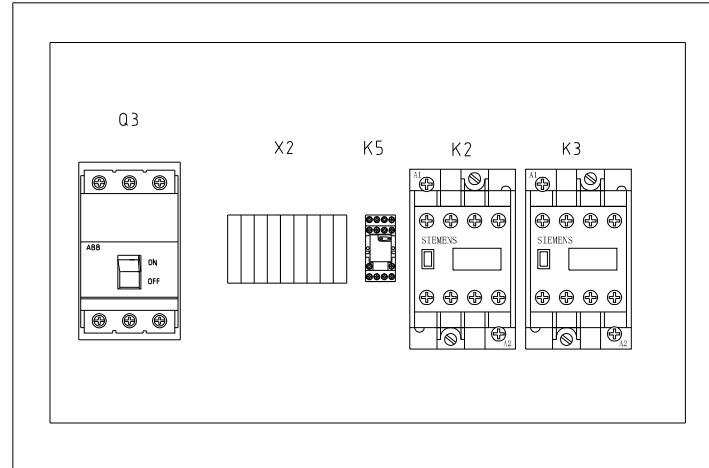
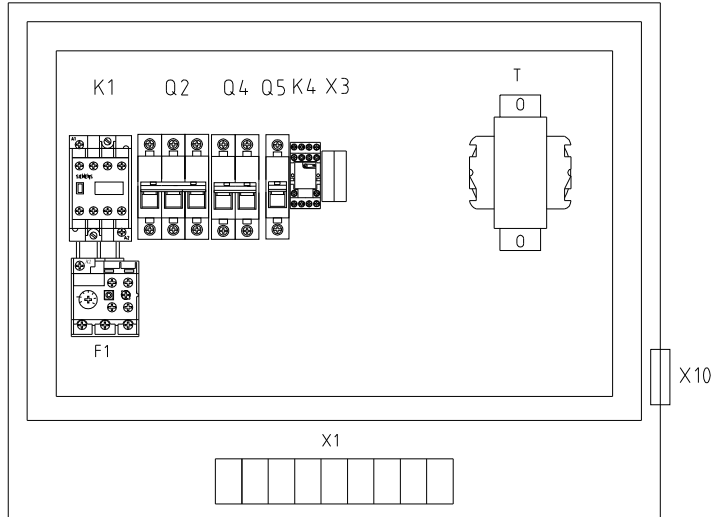
D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617
	Drawer						Version	J
	Designer						Approved by	
	Proofread by							

Title		SHD-1500U/2000U		Drawing NO		SHD-1500U/2000U-CE-400V-J-3	
Control Circuit Diagram				Scale		Page 3	
				Standard		CE	
				Voltage		3φ400V	
				Frequency		50Hz	

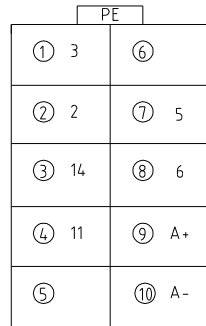
SHINI 信易電熱機械股份有限公司
 Shini Plastics Technologies, Inc.

Drying blower control box

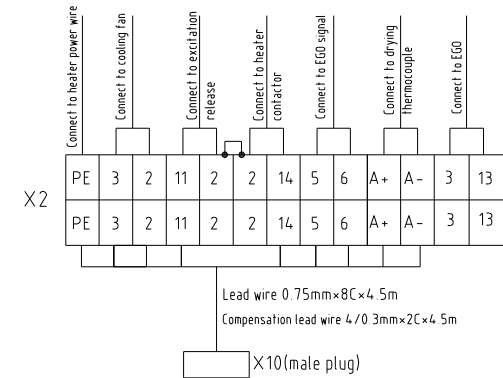
Heater control box



X10(heavy-duty connector 10P)



No.	Function	Description
1	3	AC24V power
2	2	
3	14	Heater enabling signal
4	11	Releasing signal
5		Reserved
6		
7	5	EGO overheat signal
8	6	
9	A+	Thermocouple
10	A-	



Tech. Req.1. The power wire of heater control box's host unit is directly connected to the break interlock without passing the terminal board.
2. The heater wire is directly connected to the heater contactor without passing the terminal board.

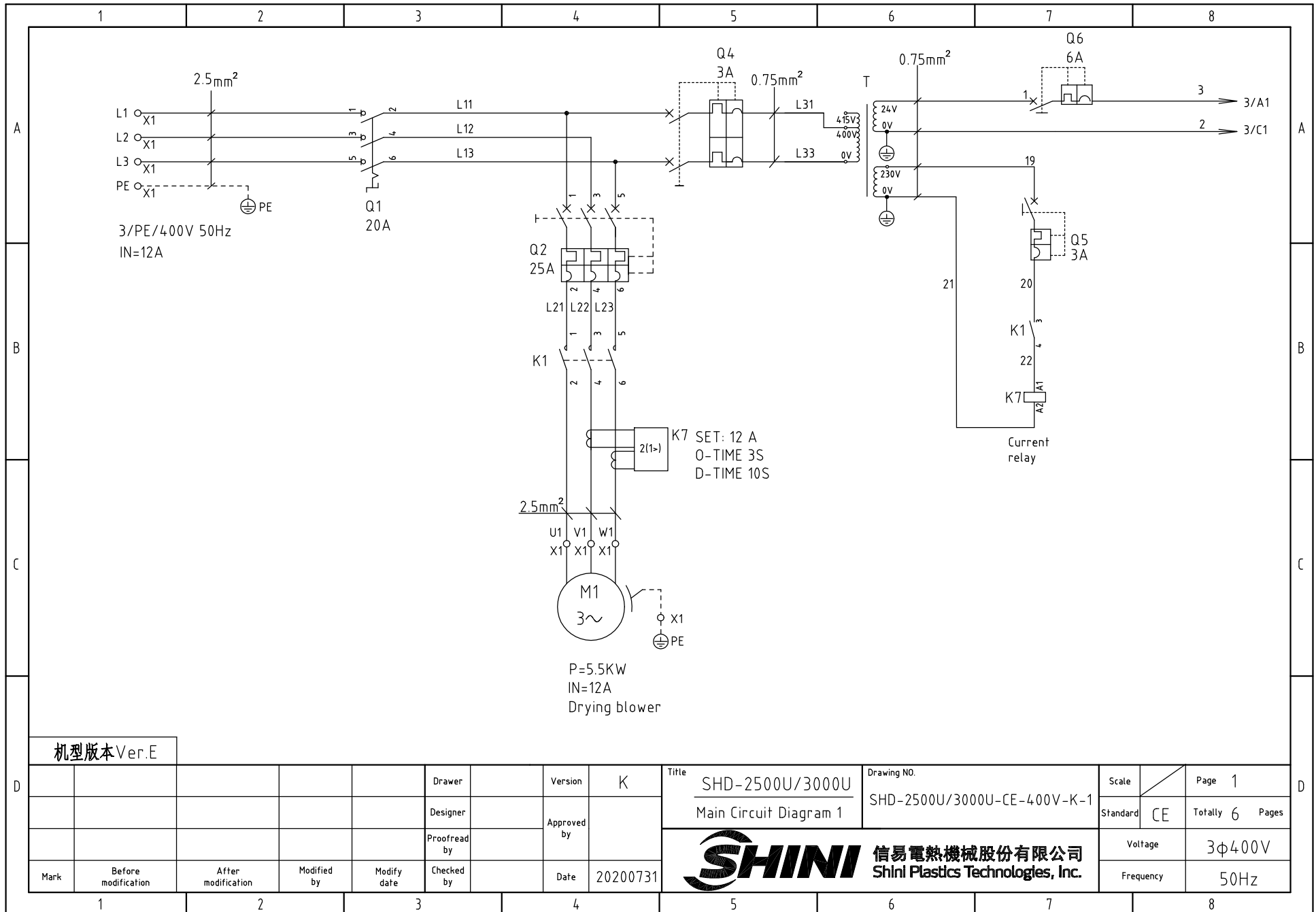
机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617
					Proofread by	Approved by	
					Designer	Version	J
					Drawer		


Title	SHD-1500U/2000U Elec. Layout & Wiring Diagram	Drawng NO	SHD-1500U/2000U-CE-400V-J-4	Scale	Page 4
				Standard	CE
				Voltage	3φ400V
				Frequency	50Hz

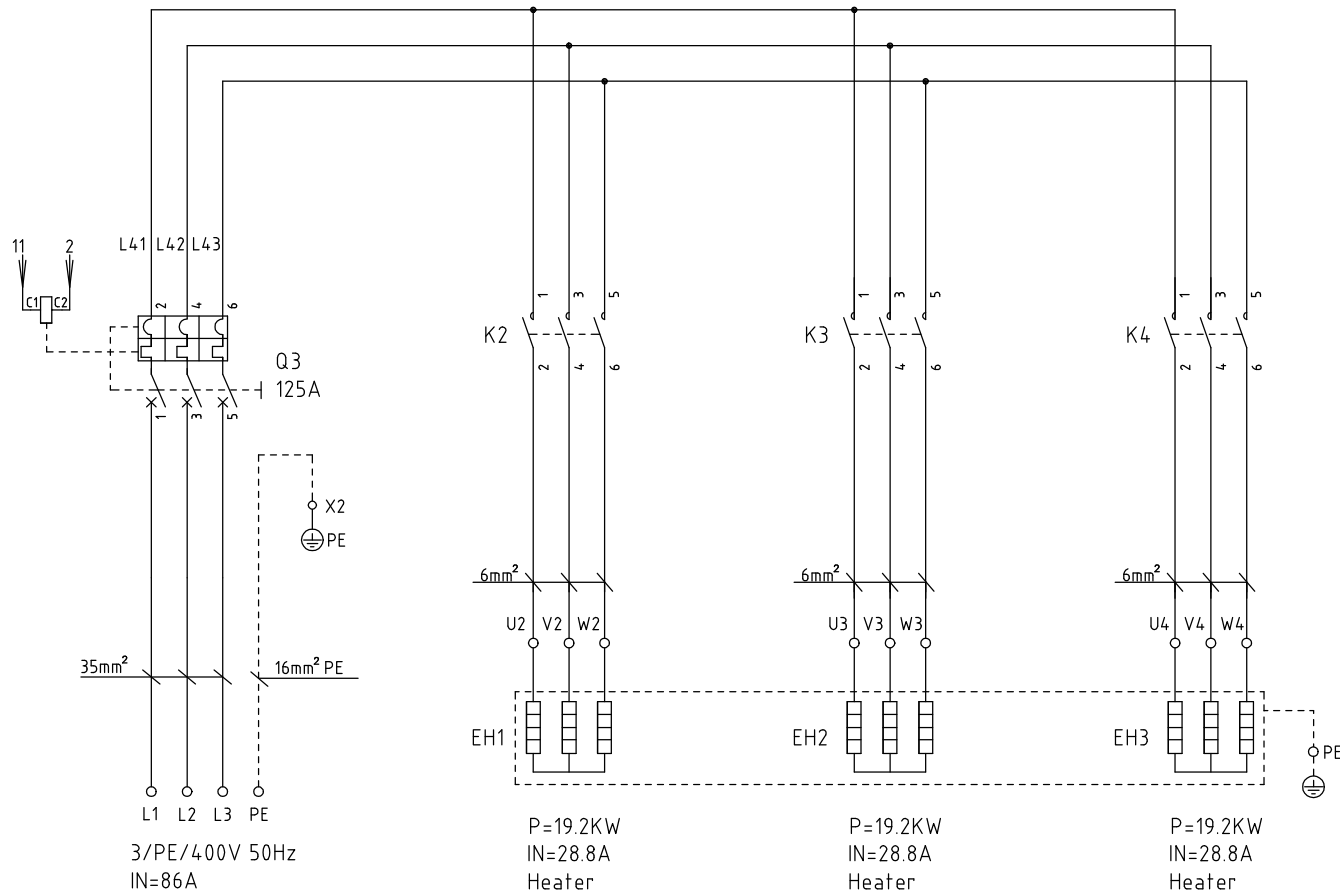


1		2		3		4		5		6		7		8					
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark						
1	Q1	Main switch		EATON		T0-2-1/EA/SVB		20A 3P 690V 50/60Hz		1	YE10021160000								
2	Q2	Circuit breaker		TECO		BM-63C/3020S		20A 3P		1	YE40302003000								
3	Q3	Circuit breaker		ABB		A1A125 TMF60/6003PFF		60A 3P		1	YE41106200000								
4		Excitation release		ABB		SOR-C		24V-30V AC/DC(A1A2)		1	YE40243000900								
5	Q4	Circuit breaker		TECO		BM-63C/2003S		3A 2P		1	YE40200203000								
6	Q5	Circuit breaker		TECO		BM-63C/1003S		3A 1P		1	YE40100203000								
7	K1	交流接触器/Contactor		SIEMENS		3RT6016-1AB01		9A 24V AC 1NO		1	YE00601602500		Cancel						
8	K1	AC contactor		SIEMENS		3RT6017-1AB01		12A 24V AC 1NO		1	YE00601702500		New						
9	K2 K3	AC contactor		SIEMENS		3RT6027-1AC20		32A 24V AC		2	YE00602702600								
10	K4 K5	Middle relay		HONEYWELL		GR-2C-AC24V		24V 50/60Hz		1	YE03022400300								
11	F1	Overload relay		SIEMENS		3RU6116-1JB0		7-10A		1	YE01167100000								
12	T	Sensor transformer		JIUXIN		IN=400V/415V OUT=24V		120VA		1	YE70040006600								
13	PCB	PCB		PUMP		TS-02P(24V) Bump		24V 50/60Hz		1	YE80022405200								
14	S1	Overheat protector		EGO		115-320℃		250V 16A		1	----		(1)						
15	S2	Thermocouple		SHINI		5×93L×M8×7M		----		1	----		(1)						
16	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200								
17		Shell RS485(SAL-700G-A-19)ver 0		BINCHENG		----		----		1	YR40048500000								
18	H1	三色警报灯/Alarm lamp		SHINI		红绿黄色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel						
19	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24V AC/DC		1	BL90002401520		New						
20	X1	Terminal board		HONEYWELL		SK2.5		2.5mm ²		6	YE60002503200								
21		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		4	YE60002503400								
22	X2	Terminal board		HONEYWELL		GK16PE		16mm ² PE		1	YE60001603500								
23		Terminal board		HONEYWELL		SK2.5		2.5mm ²		12	YE60002503200								
24	X3	Terminal board		HONEYWELL		SK2.5		2.5mm ²		4	YE60002503200								
25		Terminal fittings		HONEYWELL		GK series		----		5	YE60000003900								
机型版本 Ver.D		Notes: (1)Materials not in the control box;																	
				Drawer		Version		J		Title		SHD-1500U/2000U		Drawing NO		Scale		Page 5	
				Designer		Approved by				Elec. Parts List 1		SHD-1500U/2000U-CE-400V-J-5		Standard		CE		Totally 6 Pages	
				Proofread by		Date		20200617		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			
1		2		3		4		5		6		7		8					



机型版本 Ver.E

					Drawer	Version	K	Title	SHD-2500U/3000U	Drawing NO.	Scale	Page	1
					Designer	Approved by		Main Circuit Diagram 1	SHD-2500U/3000U-CE-400V-K-1	Standard	CE	Totally	6 Pages
					Proofread by	Checked by	Date	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V	
Mark	Before modification	After modification	Modified by	Modify date			20200731			Frequency		50Hz	

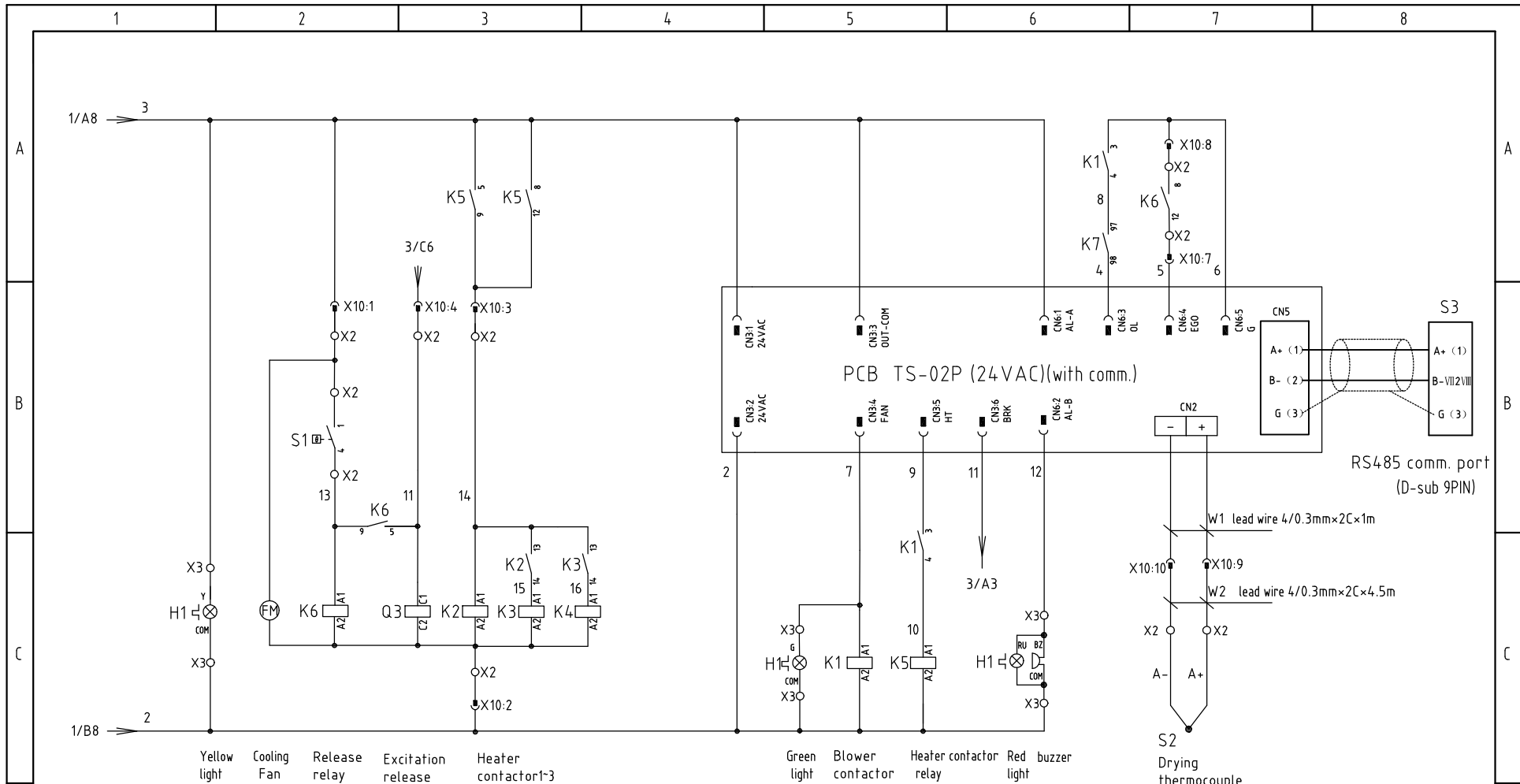


机型版本 Ver.E

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200731	Drawer	Version	K	Title	SHD-2500U/3000U Main Circuit Diagram 2	Drawing NO.	SHD-2500U/3000U-CE-400V-K-2	Scale	CE	Page	2
								Designer	Approved by						Standard	CE	Totally	6
								Proofread by									Voltage	3φ400V
																	Frequency	50Hz



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




Compensation lead

Notes: Compensation lead must be connected between TS-02 controller CN2 and heavy-duty connector X10.

Compensation lead must be connected from terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

机型版本 Ver.E

					Drawer	Version	K	Title	SHD-2500U/3000U	Drawing NO.	Scale	Page	3
					Designer	Approved by		Control Circuit Diagram	SHD-2500U/3000U-CE-400V-K-3	Standard	CE	Totally	6 Pages
					Proofread by	Date	20200731	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V	
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Frequency			50Hz			

1

2

3

4

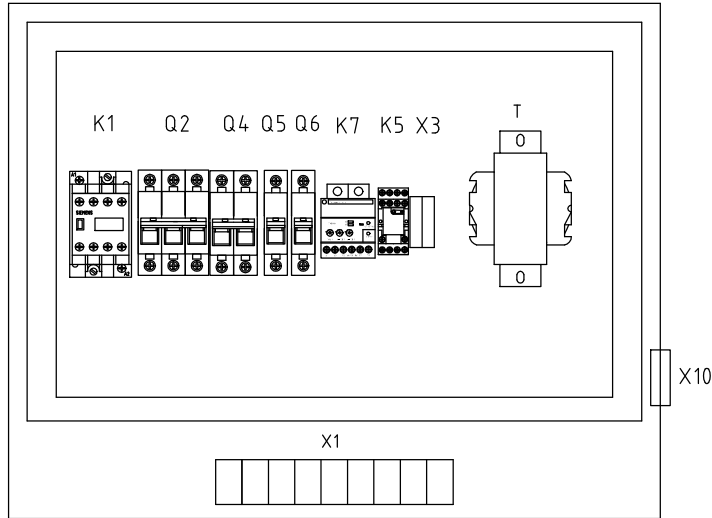
5

6

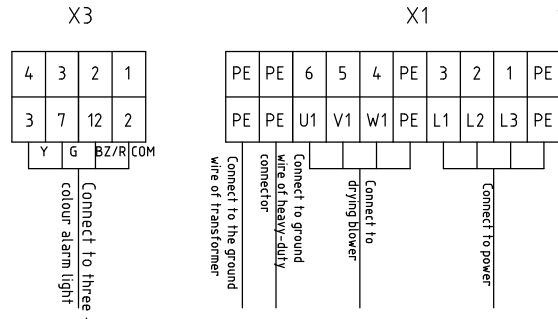
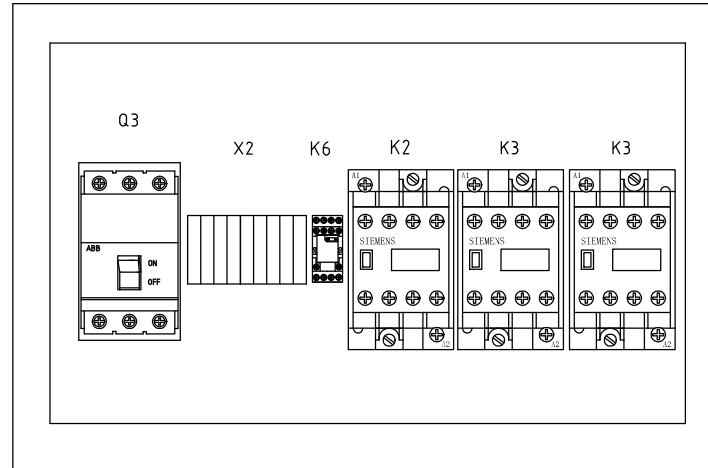
7

8

Drying blower control box



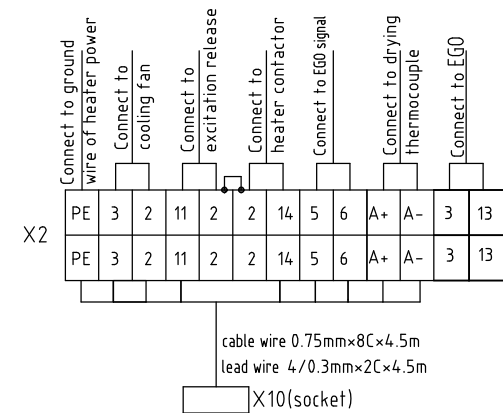
Heater control box



X10(Heavy-duty connector 10P)

PE	
①	3
②	2
③	14
④	11
⑤	
⑥	6
⑦	5
⑧	6
⑨	A+
⑩	A-

No.	Function	Description
1	3	AC24V power
2	2	
3	14	Heating enable signal
4	11	Release signal
5		Reversed
6		
7	5	EGO overheat signal
8	6	thermocouple
9	A+	
10	A-	




cable wire 0.75mm×8C×4.5m
lead wire 4/0.3mm×2C×4.5m

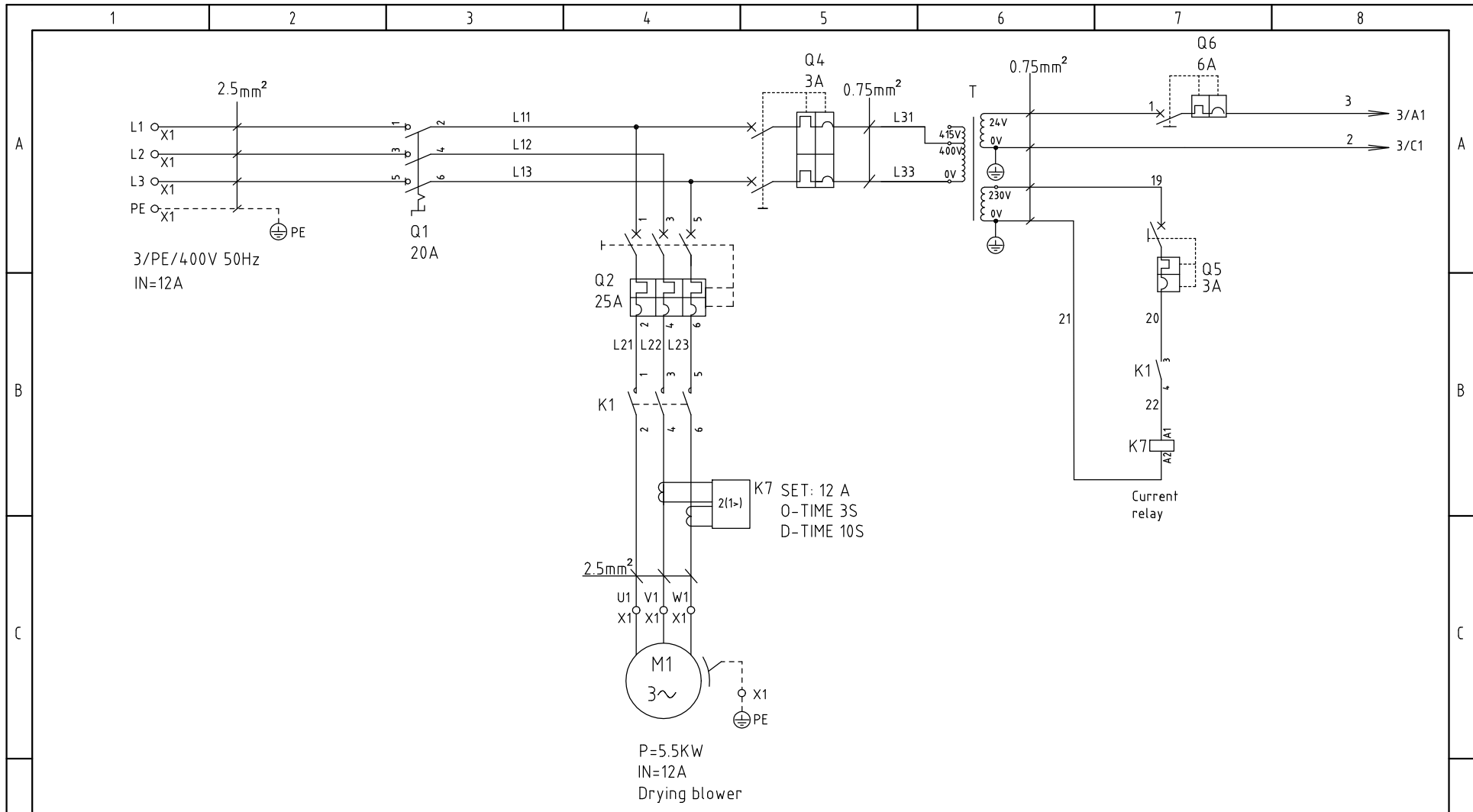
X10(socket)

Technical Requirement: 1. The power wire of main heater control box is directly connected to the break interlock without passing the terminal board.
2. The heater wire is directly connected to the heater contactor without passing the terminal board.


机型版本 Ver.E

				Drawer	Version	K	Title	SHD-2500U/3000U	Drawing No.	Scale	Page	4
				Designer	Approved by		Elec. Parts Layout & Wiring Diagram	SHD-2500U/3000U-CE-400V-K-4	Standard	CE	Totally	6 Pages
				Proofread by	Date	20200731	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V	
Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency		50Hz	
1				2			3		4			

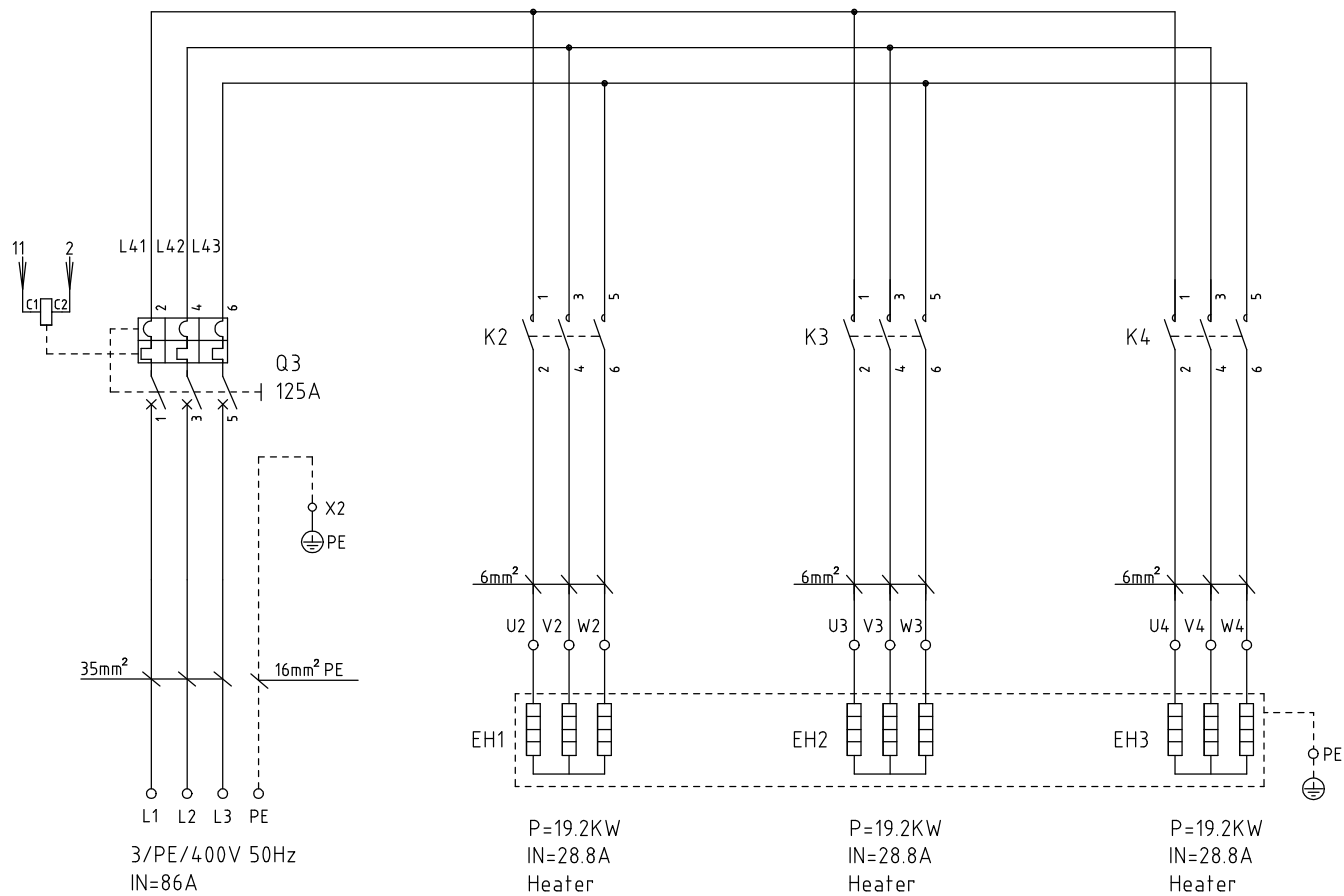
1		2		3		4		5		6		7		8			
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark				
1	Q1	Main switch		EATON		TO-2-1/EA/SVB		20A		1	YE10021160000						
2	Q2	Circuit breaker		TECO		BM-63C/3025S 3P		25A 400V		1	YE40302503000						
3	Q3	Breaker interlock		ABB		A1A125TMF125/12503PFF		125A		1	YE41161400000						
4		Excitation release		ABB		SOR-C		24-30VAC/DC		1	YE40243000900						
5	Q4	Circuit breaker		TECO		BM-63C/2003S 2P		3A		1	YE40200203000						
6	Q5	Circuit breaker		TECO		BM-63C/1003S 1P		3A		1	YE40100203000						
7	Q6	Circuit breaker		TECO		BM-63C/1006S 1P		6A		1	YE40100600100						
8	K1	AC contactors		SIEMENS		3RT6025-1AC20		17A 24V AC		1	YE00602502600						
9		Auxiliary contact terminal		SIEMENS		3RH6911-1HA22		2NC+2NO		1	YE00691100000						
10	K2 K3 K4	AC contactors		SIEMENS		3RT6028-1AC20		38A 24V AC		3	YE00602802600						
11	K5 K6	Middle relay		HONEYWELL		GR-2C-AC24V		----		2	YE03022400300						
12	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24VAC/230V		180VA/350MA		1	YE70040007400						
13	PCB	Microcomputer PCB		YUYUN		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022401200						
14	K7	Current relay		SCHNEIDER		LT4760M7S		5-60A 220V AC		1	YE04476000100						
15	S1	Overheat protector		EGO		115-320℃		250V 16A		1	----		(1)				
16	S2	Thermocouple		SHINI		5×93L×M8×8M		----		1	----		(1)				
17		Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200						
18		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000						
19	H1	Three-color alarm light		SHINI		red,yel.gre.+ buzzer		24VAC/DC		1	BL90002401520						
20	X1	Terminal board		HONEYWELL		SK2.5		2.5mm ²		6	YE60002503200						
21		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		4	YE60002503400						
22	X2	Terminal board		HONEYWELL		GK35PE		35mm ² PE		1	YE60003503500						
23		Terminal board		HONEYWELL		SK2.5		2.5mm ²		12	YE60002503200						
24	X3	Terminal board		HONEYWELL		SK2.5		2.5mm ²		4	YE60002503200						
25		Terminal fittings E/GK series(honeywell)		HONEYWELL		GK series		----		5	YE60000003900						
机型版本 Ver.E		Notes: (1)Means it's not the material inside the control box.															
				Drawer		Version		K		Title		Drawing NO.		Scale		Page 5	
				Designer		Approved by				SHD-2500U/3000U		SHD-2500U/3000U-CE-400V-K-5		Standard		CE	
				Proofread by		Checked by		Date		20200731		SHINI		信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.	
Mark		Before modification		After modification		Modified by		Modify date				Voltage		3φ400V			
												Frequency		50Hz			
1		2		3		4		5		6		7		8			



机型版本 Ver.E

					Drawer	Version	K	Title	SHD-2500U/3000U	Drawing NO.	Scale	Page	1
					Designer	Approved by		Main Circuit Diagram 1	SHD-2500U/3000U-CE-400V-K-1	Standard	CE	Totally	6 Pages
					Proofread by	Checked by	Date	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V	
Mark	Before modification	After modification	Modified by	Modify date			20200731			Frequency		50Hz	

1 2 3 4 5 6 7 8

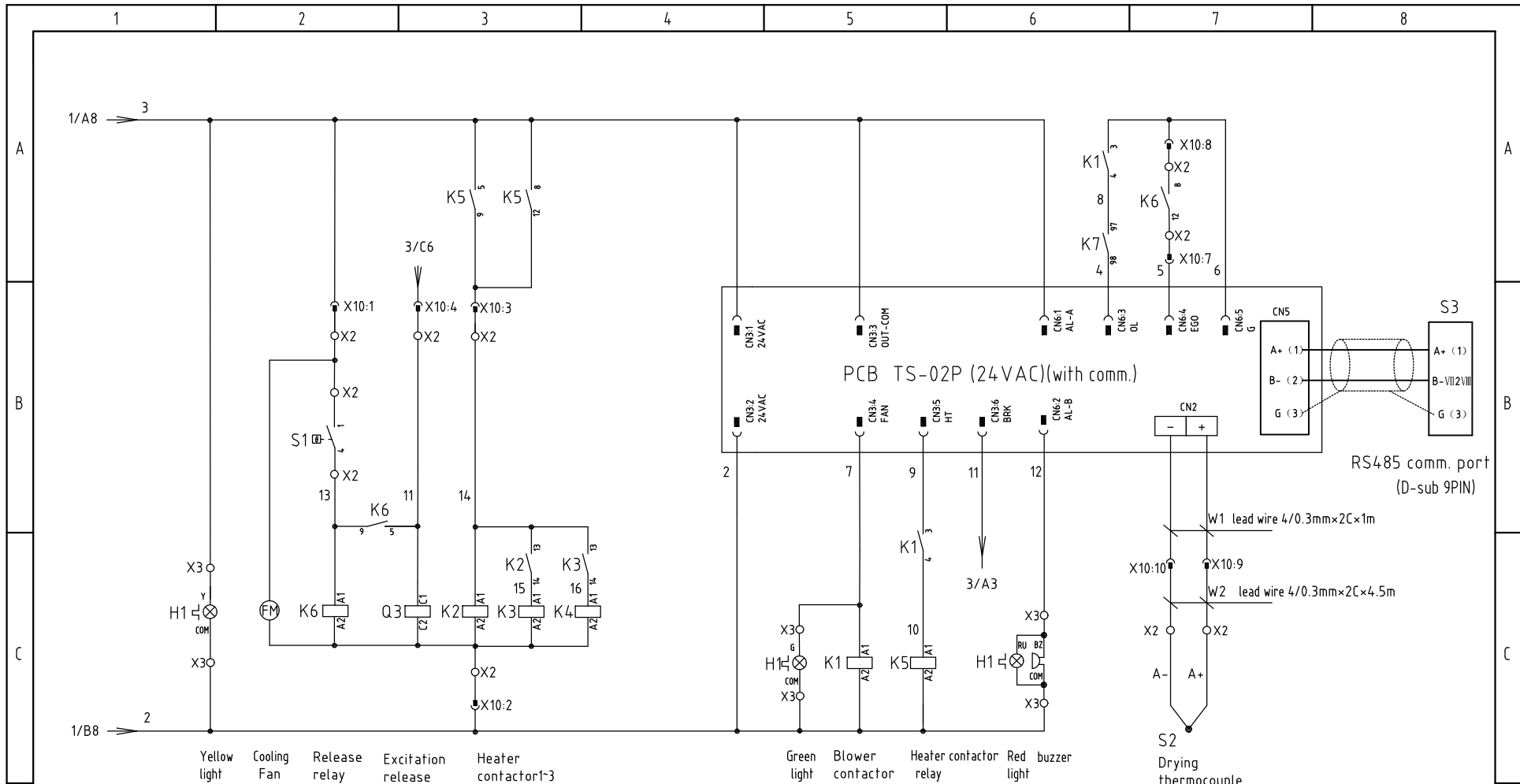


机型版本 Ver.E

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200731	Drawer	Version	K	Title	SHD-2500U/3000U Main Circuit Diagram 2	Drawing NO.	SHD-2500U/3000U-CE-400V-K-2	Scale	CE	Page	2
											Approved by			Standard	CE	Totally	6	Pages
											Proofread by			Voltage	3φ400V			
											Date			Frequency	50Hz			



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




Compensation lead

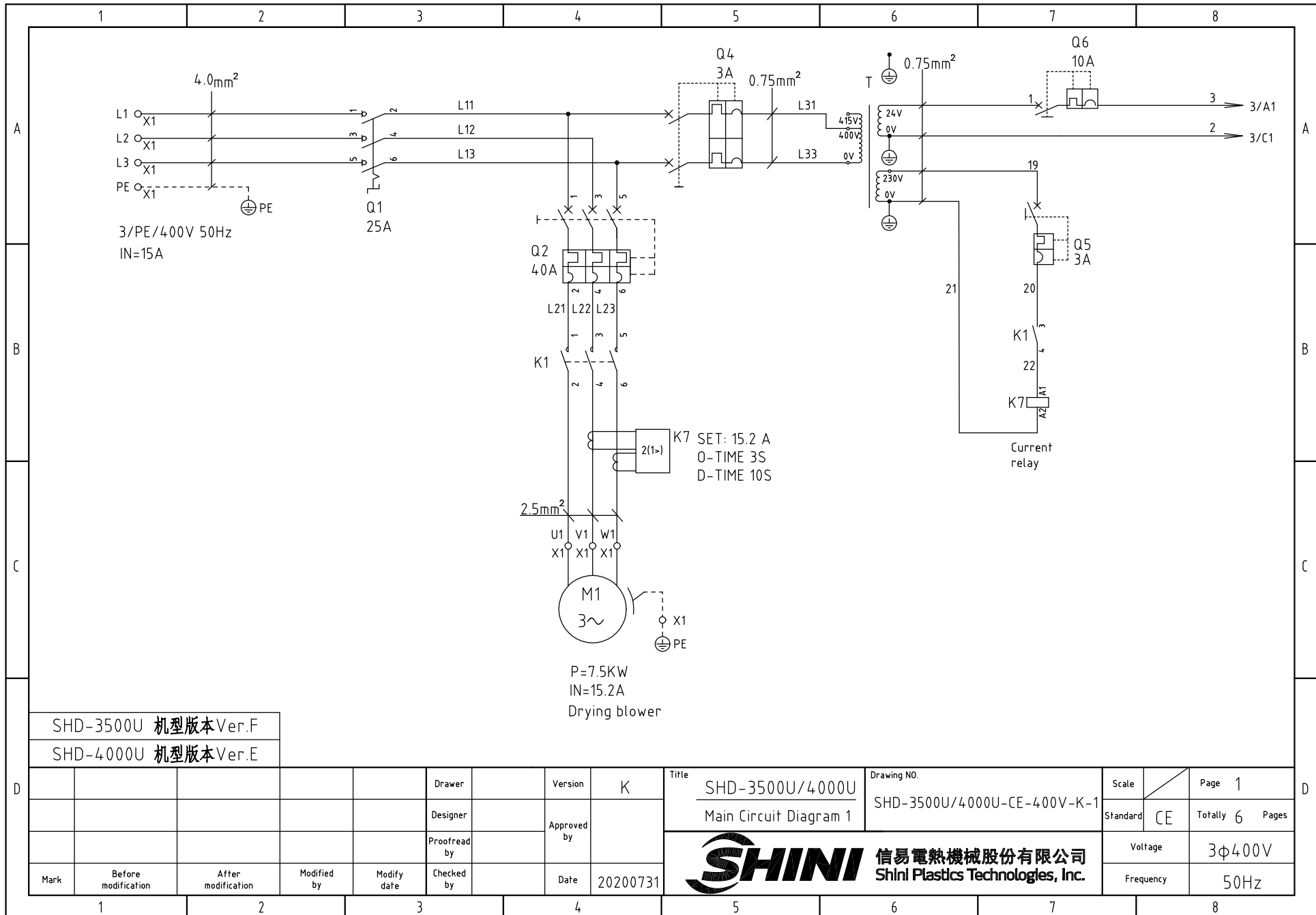
Notes: Compensation lead must be connected between TS-02 controller CN2 and heavy-duty connector X10.

Compensation lead must be connected from terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

机型版本 Ver.E

					Drawer	Version	K	Title	SHD-2500U/3000U	Drawing NO.	SHD-2500U/3000U-CE-400V-K-3	Scale	Page	3
					Designer	Approved by		Control Circuit Diagram		Standard	CE	Totally	6	Pages
					Proofread by	Date	20200731	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage		3φ400V			
Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency		50Hz			

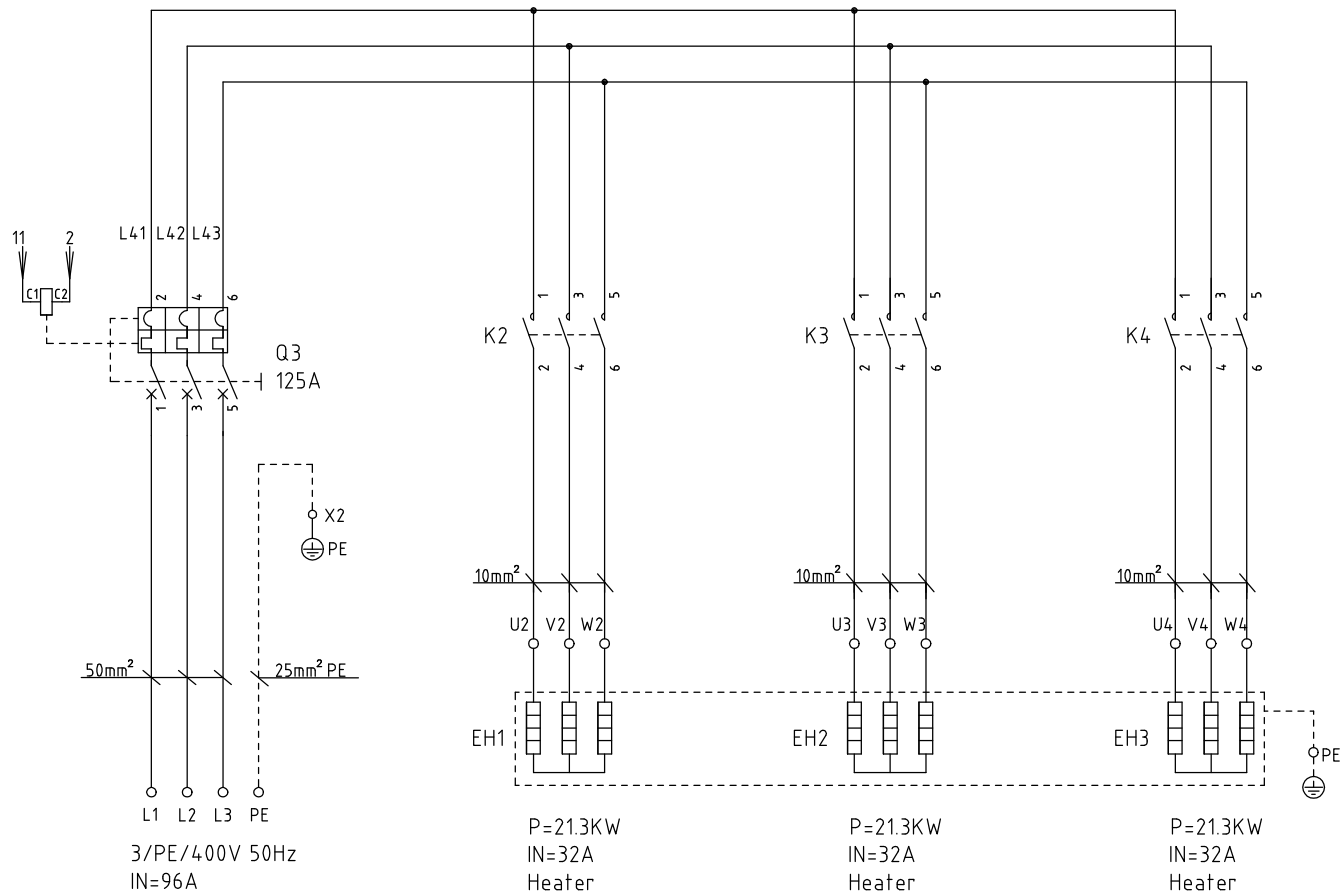
1		2		3		4		5		6		7		8					
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark						
A	1	Q1	Main switch		EATON		TO-2-1/EA/SVB		20A		1	YE10021160000							
	2	Q2	Circuit breaker		TECO		BM-63C/3025S 3P		25A 400V		1	YE40302503000							
	3	Q3	Breaker interlock		ABB		A1A125TMF125/12503PFF		125A		1	YE41161400000							
	4		Excitation release		ABB		SOR-C		24-30VAC/DC		1	YE40243000900							
	5	Q4	Circuit breaker		TECO		BM-63C/2003S 2P		3A		1	YE40200203000							
	6	Q5	Circuit breaker		TECO		BM-63C/1003S 1P		3A		1	YE40100203000							
	7	Q6	Circuit breaker		TECO		BM-63C/1006S 1P		6A		1	YE40100600100							
B	8	K1	AC contactors		SIEMENS		3RT6025-1AC20		17A 24V AC		1	YE00602502600							
	9		Auxiliary contact terminal		SIEMENS		3RH6911-1HA22		2NC+2NO		1	YE00691100000							
	10	K2 K3 K4	AC contactors		SIEMENS		3RT6028-1AC20		38A 24V AC		3	YE00602802600							
	11	K5 K6	Middle relay		HONEYWELL		GR-2C-AC24V		----		2	YE03022400300							
	12	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24VAC/230V		180VA/350MA		1	YE70040007400							
	13	PCB	Microcomputer PCB		YUYUN		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022401200							
	14	K7	Current relay		SCHNEIDER		LT4760M7S		5-60A 220V AC		1	YE04476000100							
	15	S1	Overheat protector		EGO		115-320℃		250V 16A		1	----		(1)					
	16	S2	Thermocouple		SHINI		5×93L×M8×8M		----		1	----		(1)					
	17		Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200							
	18		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000							
C	19	H1	Three-color alarm light		SHINI		red,yel.gre.+ buzzer		24VAC/DC		1	BL90002401520							
	20	X1	Terminal board		HONEYWELL		SK2.5		2.5mm ²		6	YE60002503200							
	21		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		4	YE60002503400							
	22	X2	Terminal board		HONEYWELL		GK35PE		35mm ² PE		1	YE60003503500							
	23		Terminal board		HONEYWELL		SK2.5		2.5mm ²		12	YE60002503200							
	24	X3	Terminal board		HONEYWELL		SK2.5		2.5mm ²		4	YE60002503200							
	25		Terminal fittings E/GK series(honeywell)		HONEYWELL		GK series		----		5	YE60000003900							
机型版本 Ver.E		Notes: (1)Means it's not the material inside the control box.																	
D					Drawer		Version		K		Title		Drawing NO.		Scale		Page 5		
					Designer		Approved by				SHD-2500U/3000U		SHD-2500U/3000U-CE-400V-K-5		Standard		CE		
					Proofread by		Date		20200731		Electrical Parts List 1		SHINI		信易電熱機械股份有限公司		Voltage		
	Mark		Before modification		After modification		Modified by		Modify date		Checked by		SHINI		Shini Plastics Technologies, Inc.		Frequency		
1		2		3		4		5		6		7		8					



SHD-3500U 机型版本Ver.F


SHD-4000U 机型版本Ver.E

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200731	Version	K	Title	SHD-3500U/4000U	Drawing NO.	SHD-3500U/4000U-CE-400V-K-1	Scale	CE	Page	1
	Designer	Proofread by	Approved by	Standard	Totally	6	Pages										
										Voltage	3φ400V		Frequency	50Hz			
											SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.						



SHD-3500U 机型版本Ver.F

SHD-4000U 机型版本Ver.E

				Drawer	Version		K	Title	SHD-3500U/4000U		Scale	Page 2		
				Designer	Approved by			Main Circuit Diagram 2		Standard		CE	Totally 6 Pages	
				Proofread by	Date		20200731	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V		
Mark	Before modification	After modification	Modified by	Modify date	Checked by					Frequency		50Hz		

1

2

3

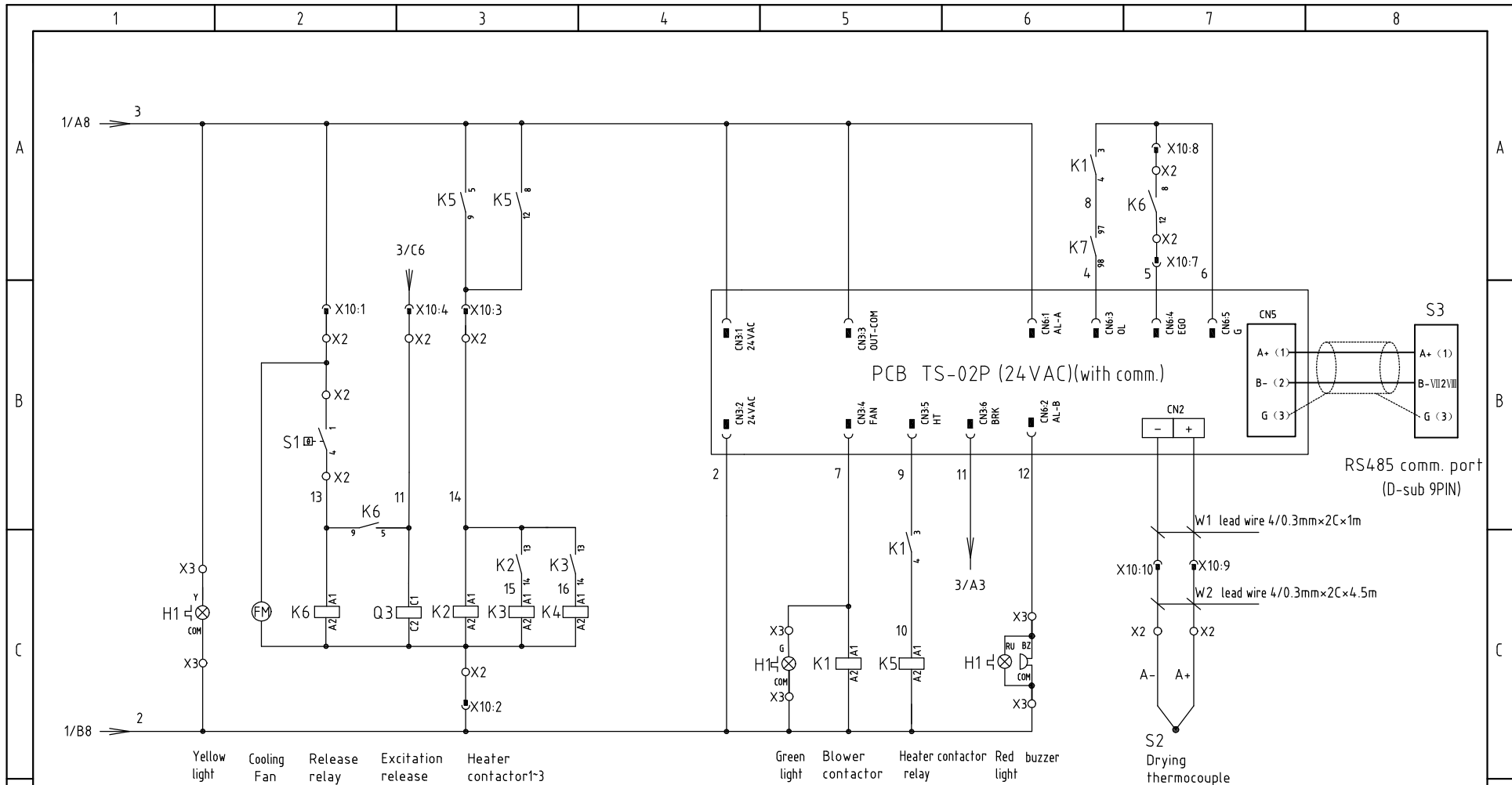
4

5

6

7

8



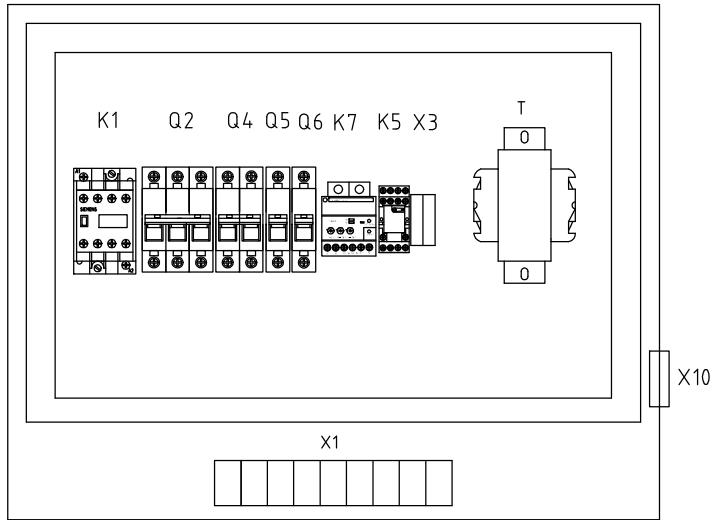
Yellow light Cooling Fan Release relay Excitation release Heater contactor1-3 Green light Blower contactor Heater contactor relay Red buzzer light S2 Drying thermocouple

SHD-3500U 机型版本 Ver.F
SHD-4000U 机型版本 Ver.E

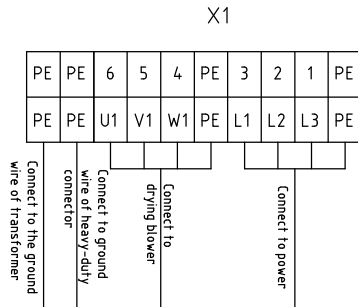
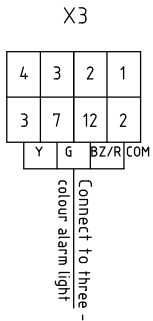
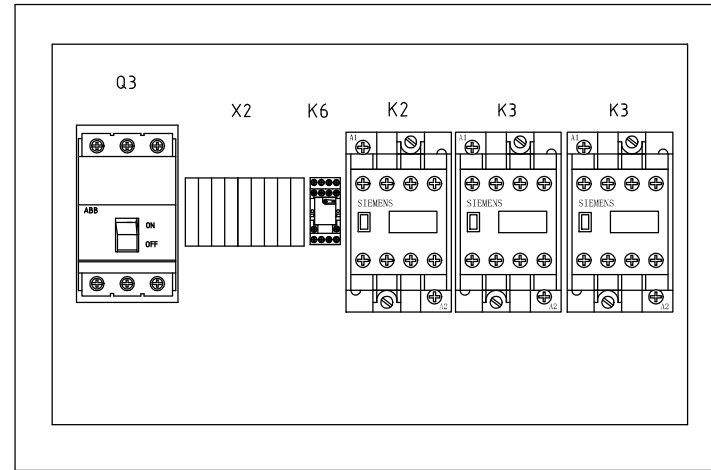
Notes: Compensation lead must be connected between TS-02 controller CN2 and heavy-duty connector X10.
Compensation lead must be connected from terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200731	Title SHD-3500U/4000U Control Circuit Diagram	Drawing NO. SHD-3500U/4000U-CE-400V-K-3	Scale CE	Page	3
											Totally	6
								信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage		3φ400V	
									Frequency		50Hz	

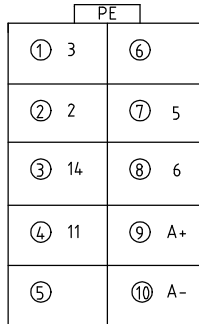
Drying blower control box



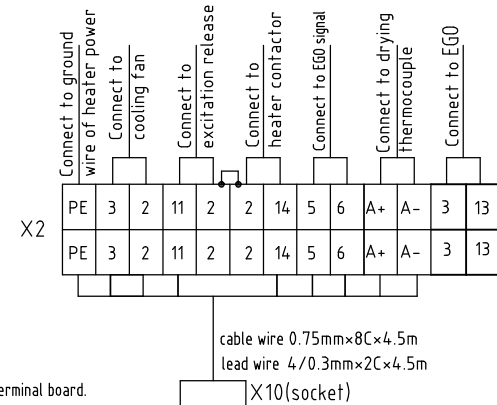
Drying blower control box



X10(Heavy-duty connector 10P)



No.	Function	Description
1	3	AC24V power
2	2	
3	14	Heating enable signal
4	11	Release signal
5		Reversed
6		
7	5	EGO overheat signal
8	6	
9	A+	thermocouple
10	A-	



SHD-3500U 机型版本Ver.F

SHD-4000U 机型版本Ver.E

Technical Requirement: 1. The power wire of main heater control box is directly connected to the break interlock without passing the terminal board.
2. The heater wire is directly connected to the heater contactor without passing the terminal board.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200731	Drawer	Version	K	Title	SHD-3500U/4000U Elec. Parts Layout & Wiring Diagram	Drawing NO.	SHD-3500U/4000U-CE-400V-K-4	Scale	CE	Page	4
											SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V				
												Frequency	50Hz					

1

2

3

4

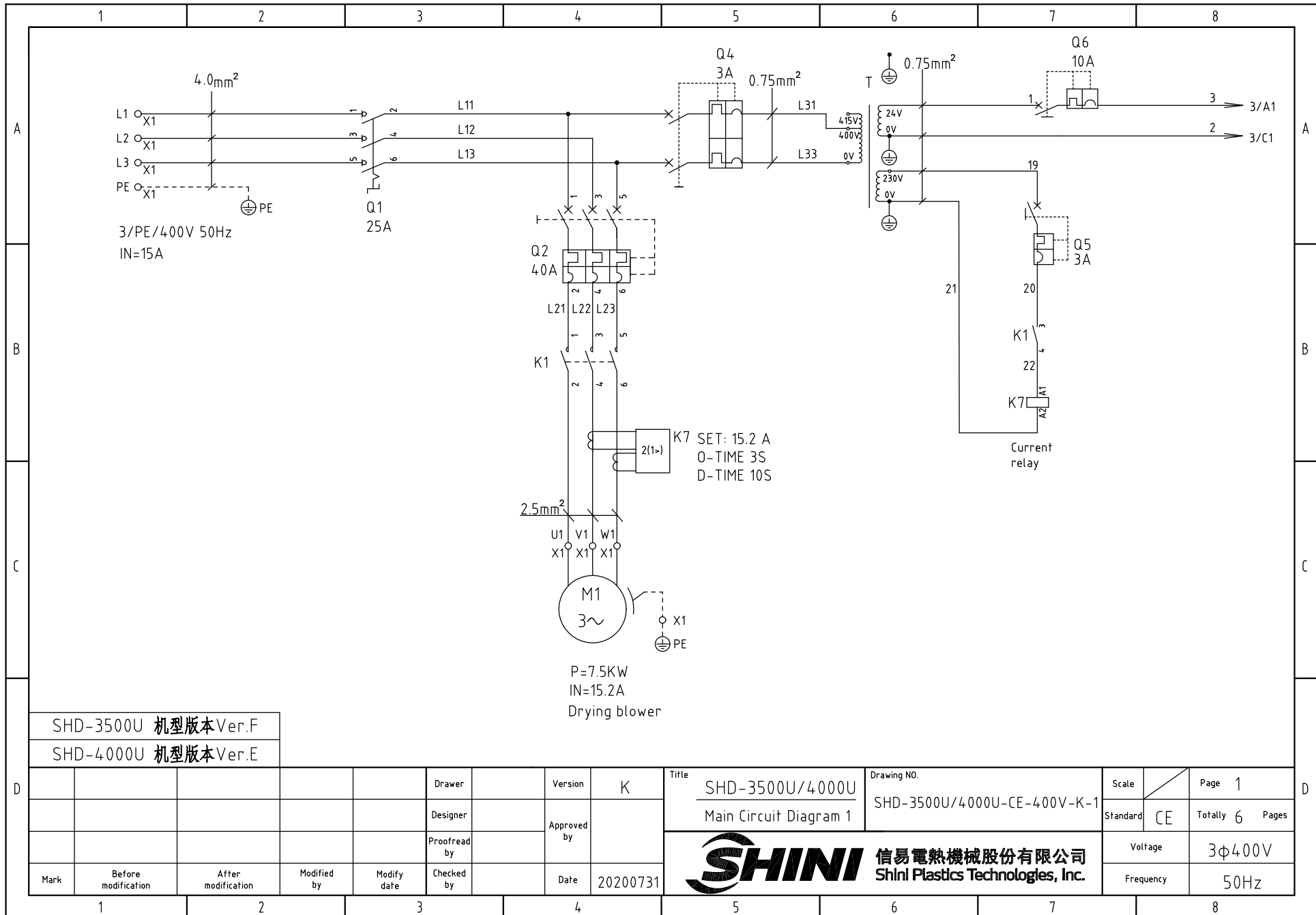
5

6

7

8

1		2		3		4		5		6		7		8			
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark				
A	1	Q1	Main power switch		EATON		P1-25/EA/SVB		25A		1	YE10125250000					
	2	Q2	Circuit breaker		TECO		BM-63C/3040S 3P		40A 400V		1	YE40304003000					
	3	Q3	Break interlock		ABB		A1A125TMF125/12503PFF		125A		1	YE41161400000		A			
	4		Excitation release		ABB		SOR-C		24-30VAC/DC		1	YE40243000900					
	5	Q4	Circuit breaker		TECO		BM-63C/2003S 2P		3A		1	YE40200203000					
	6	Q5	Circuit breaker		TECO		BM-63C/1003S 1P		3A		1	YE40100203000					
	7	Q6	Circuit breaker		TECO		BM-63C/1010S 1P		10A		1	YE40101000100					
B	8	K1	AC contactors		SIEMENS		3RT6026-1AC20		25A 24V AC		1	YE00602602600					
	9		Auxiliary contact terminal		SIEMENS		3RH6911-1HA22		2NC+2NO		1	YE00691100000					
	10	K2 K3 K4	AC contactors		SIEMENS		3RT5035-1AC20		40A 24V AC		3	YE00503502600					
	11		Auxiliary contact terminal		SIEMENS		3RH5921-1CA10		1NO		2	YE00592110000		B			
	12	K5 K6	Middle relay		HONEYWELL		GR-2C-AC24V		----		2	YE03022400300					
	13	T	Transformer		JIUXIN		IN=400V/415V OUT=24VAC/230V		350VA/350MA		1	YE70040007600					
	14	PCB	Microcomputer PCB		YUYUN		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022401200					
C	15	K7	Current relay		SCHNEIDER		LT4760M7S		5-60A-220V AC		1	YE04476000100					
	16	S1	Overheat protector		EGO		115-320℃		250V 16A		1	----		(1)			
	17	S2	Thermocouple		SHINI		5×93L×M8×8M		----		1	----		(1)			
	18	S3	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200					
	19		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000		C			
	20	H1	Three-color alarm light		SHINI		Red,yel. gre.+ buzzer		24VAC/DC		1	BL90002401520					
	21		Terminal board		HONEYWELL		SK4		4.0mm ²		6	YE60000403200					
	22	X1	Terminal board		HONEYWELL		GK4PE		4.0mm ² PE		2	YE60000403500					
	23		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		2	YE60002503400					
	24	X2	Terminal board		HONEYWELL		GK35PE		35mm ² PE		1	YE60003503500					
SHD-3500U 机型版本 Ver.F		Notes: (1)Means it's not the material inside the control box.															
SHD-4000U 机型版本 Ver.E																	
				Drawer		Version		K		Title		Drawing NO.		Scale		Page 5	
				Designer		Approved by				SHD-3500U/4000U Electrical Parts List 1		SHD-3500U/4000U-CE-400V-K-5		Standard CE		Totally 6 Pages	
				Proofread by		Date		20200731				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V	
Mark		Before modification		After modification		Modified by		Modify date		Checked by		Date		Frequency		50Hz	
1		2		3		4		5		6		7		8			



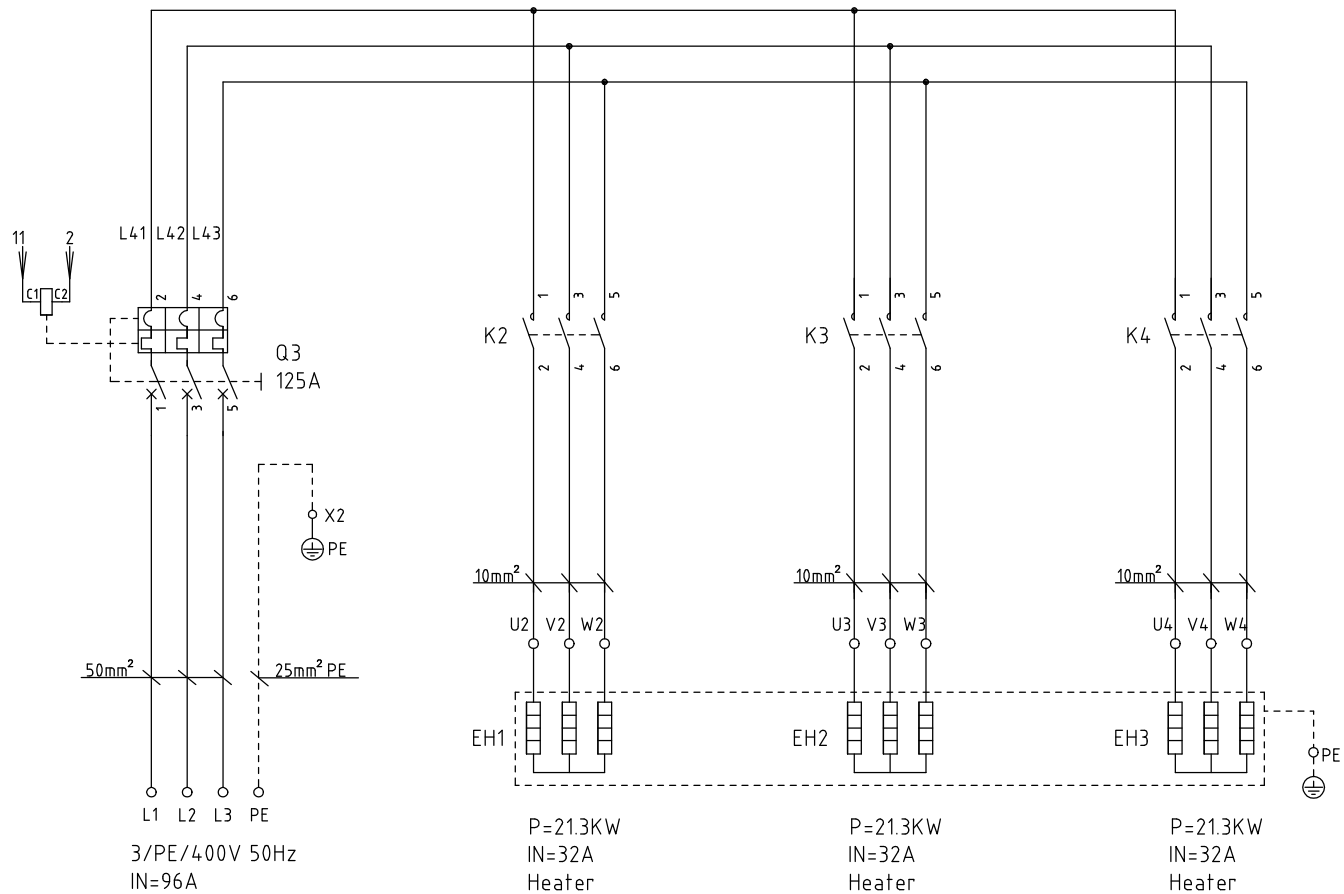
SHD-3500U 机型版本Ver.F

SHD-4000U 机型版本Ver.E

D	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200731	Version	K	Title	SHD-3500U/4000U Main Circuit Diagram 1	Drawing NO.	SHD-3500U/4000U-CE-400V-K-1	Scale	CE	Page	1
															Standard	CE	Totally	6
																	Voltage	3φ400V
																	Frequency	50Hz




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



SHD-3500U 机型版本Ver.F

SHD-4000U 机型版本Ver.E

				Drawer			Version	K	Title	SHD-3500U/4000U	Drawing NO.	SHD-3500U/4000U-CE-400V-K-2	Scale	Page	2
				Designer			Approved by		Main Circuit Diagram 2		Standard	CE	Totally	6	Pages
				Proofread by			Date	20200731	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V		
Mark	Before modification	After modification	Modified by	Modify date	Checked by			Frequency			50Hz				

1

2

3

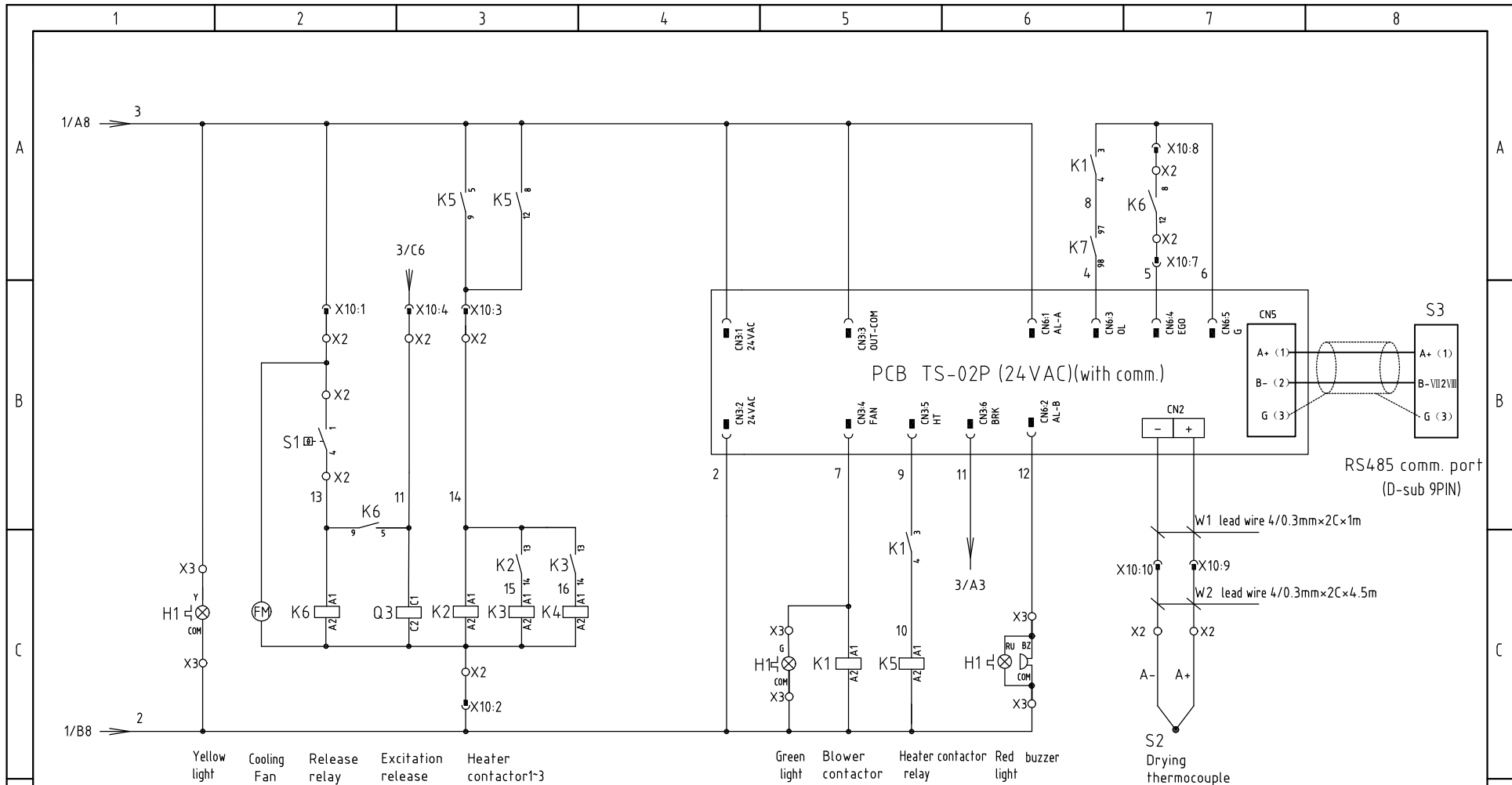
4

5

6

7

8



Yellow light Cooling Fan Release relay Excitation release Heater contactor1~3 Green light Blower contactor Heater contactor relay Red buzzer light S2 Drying thermocouple

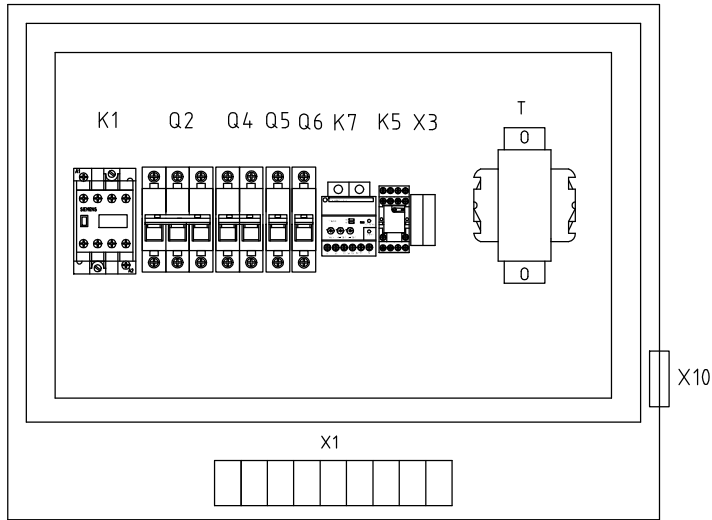
SHD-3500U 机型版本Ver.F
SHD-4000U 机型版本Ver.E

Notes: Compensation lead must be connected between TS-02 controller CN2 and heavy-duty connector X10.
Compensation lead must be connected from terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

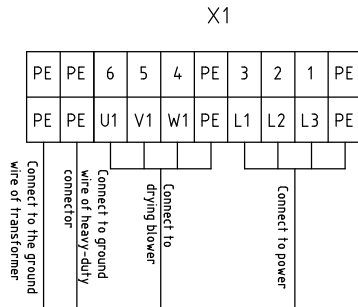
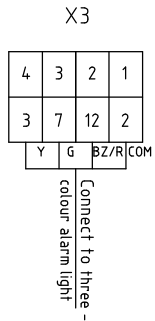
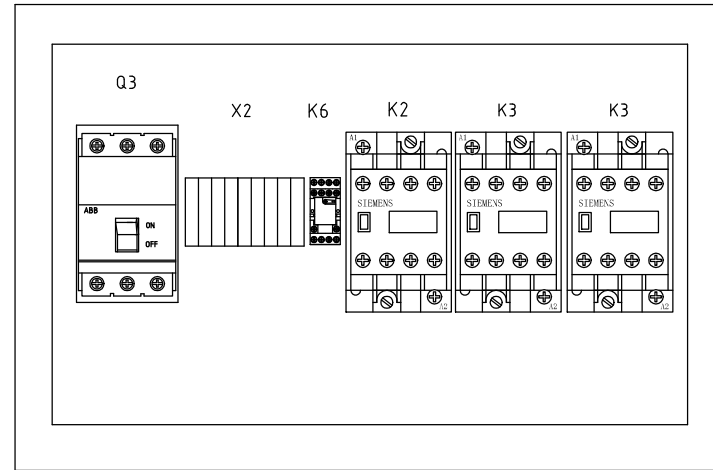
D	Drawer	Version	K	Title	SHD-3500U/4000U	Drawing NO.	SHD-3500U/4000U-CE-400V-K-3	Scale	Page	3
	Designer	Approved by		Control Circuit Diagram		Standard	CE	Totally	6	Pages
D	Proofread by	Date	20200731	SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage	3φ400V		Frequency	50Hz	
	Mark	Before modification	After modification		Modified by	Modify date	Checked by	Date		

1 2 3 4 5 6 7 8

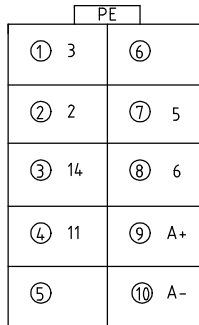
Drying blower control box



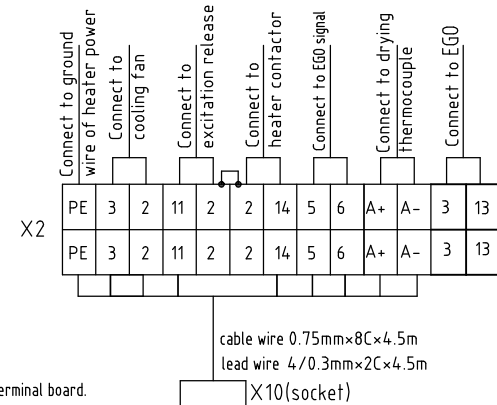
Drying blower control box



X10(Heavy-duty connector 10P)




No.	Function	Description
1	3	AC24V power
2	2	
3	14	Heating enable signal
4	11	Release signal
5		Reversed
6		
7	5	EGO overheat signal
8	6	
9	A+	thermocouple
10	A-	



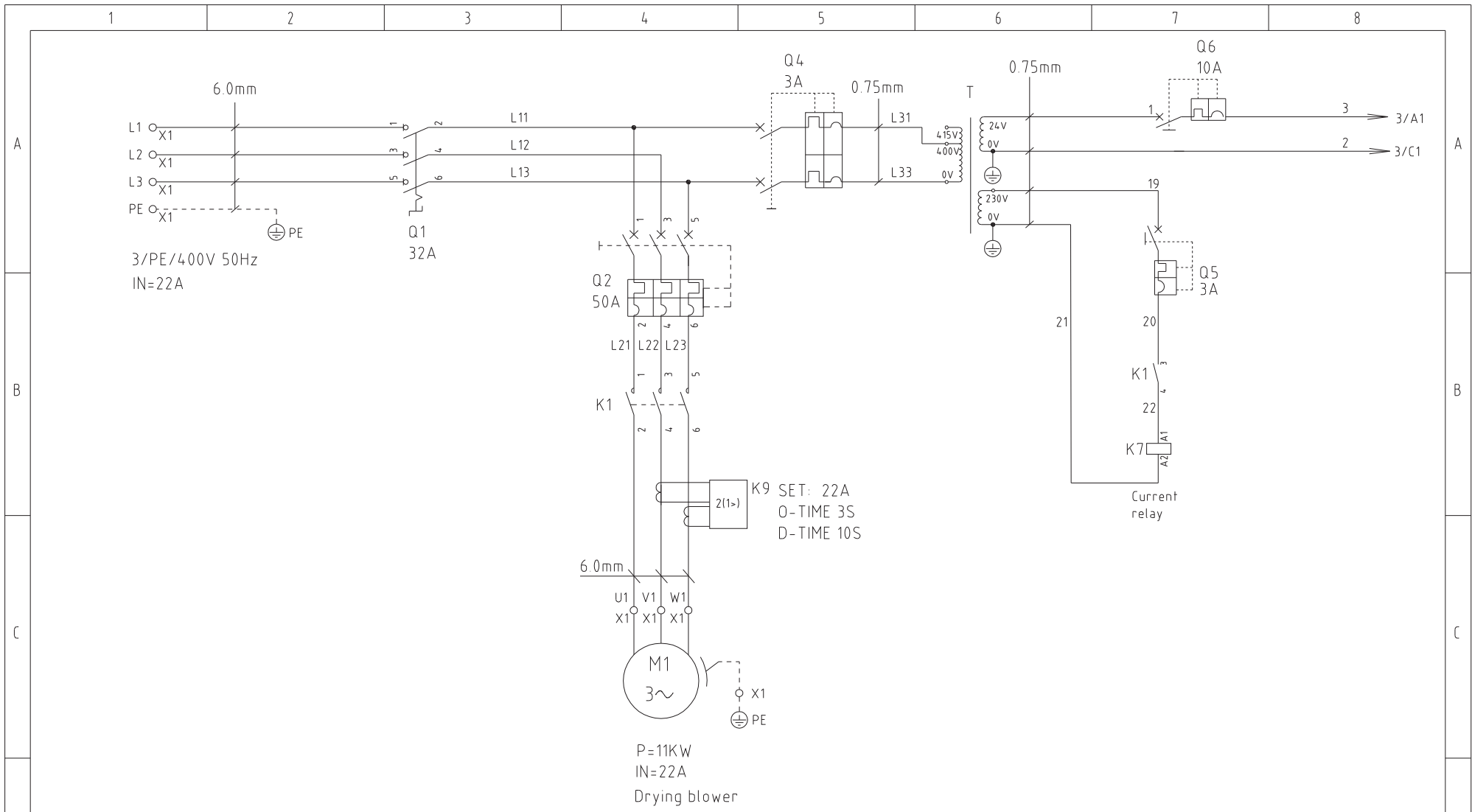
SHD-3500U 机型版本Ver.F


SHD-4000U 机型版本Ver.E

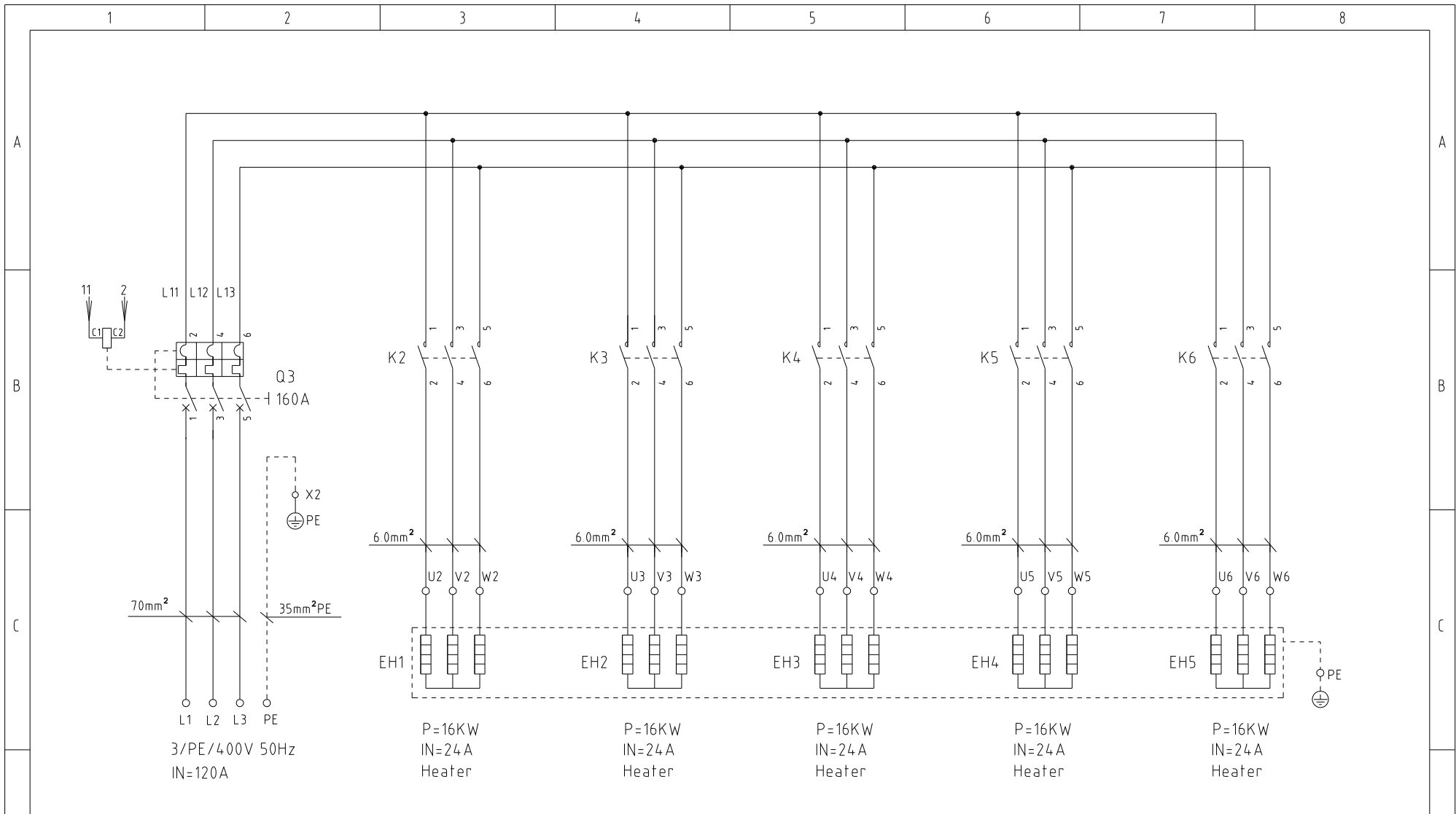
Technical Requirement: 1. The power wire of main heater control box is directly connected to the break interlock without passing the terminal board.
2. The heater wire is directly connected to the heater contactor without passing the terminal board.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200731	Title SHD-3500U/4000U Elec. Parts Layout & Wiring Diagram	Drawing NO. SHD-3500U/4000U-CE-400V-K-4	Scale CE	Page	4
											Totally	6
								 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage	3φ400V		
									Frequency	50Hz		

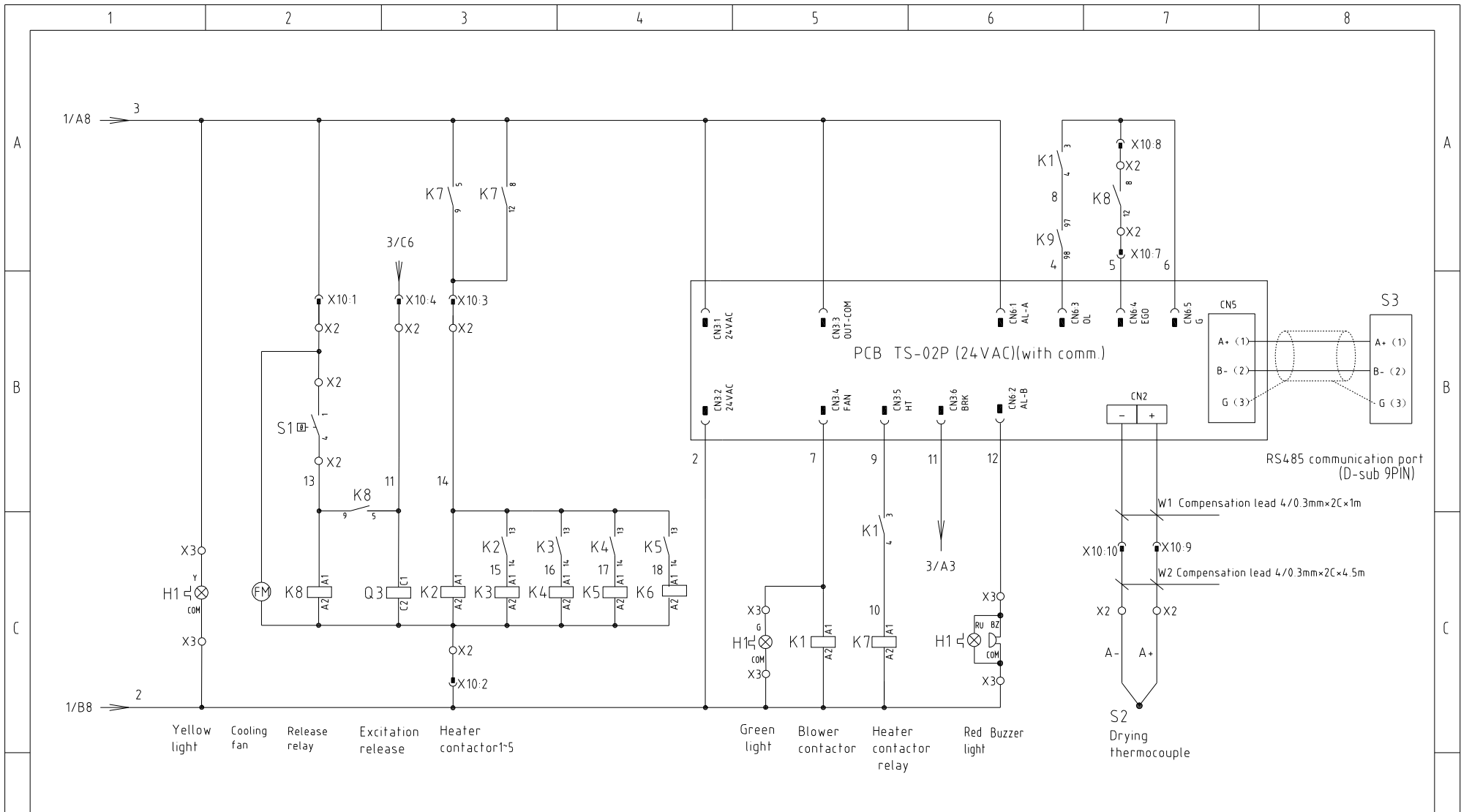
1		2		3		4		5		6		7		8			
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark				
1	Q1	Main power switch		EATON		P1-25/EA/SVB		25A		1	YE10125250000						
2	Q2	Circuit breaker		TECO		BM-63C/3040S 3P		40A 400V		1	YE40304003000						
3	Q3	Break interlock		ABB		A1A125TMF125/12503PFF		125A		1	YE41161400000						
4		Excitation release		ABB		SOR-C		24-30VAC/DC		1	YE40243000900						
5	Q4	Circuit breaker		TECO		BM-63C/2003S 2P		3A		1	YE40200203000						
6	Q5	Circuit breaker		TECO		BM-63C/1003S 1P		3A		1	YE40100203000						
7	Q6	Circuit breaker		TECO		BM-63C/1010S 1P		10A		1	YE40101000100						
8	K1	AC contactors		SIEMENS		3RT6026-1AC20		25A 24V AC		1	YE00602602600						
9		Auxiliary contact terminal		SIEMENS		3RH6911-1HA22		2NC+2NO		1	YE00691100000						
10	K2 K3 K4	AC contactors		SIEMENS		3RT5035-1AC20		40A 24V AC		3	YE00503502600						
11		Auxiliary contact terminal		SIEMENS		3RH5921-1CA10		1NO		2	YE00592110000						
12	K5 K6	Middle relay		HONEYWELL		GR-2C-AC24V		----		2	YE03022400300						
13	T	Transformer		JIUXIN		IN=400V/415V OUT=24VAC/230V		350VA/350MA		1	YE70040007600						
14	PCB	Microcomputer PCB		YUYUN		TS-02P (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022401200						
15	K7	Current relay		SCHNEIDER		LT4760M7S		5-60A-220V AC		1	YE04476000100						
16	S1	Overheat protector		EGO		115-320℃		250V 16A		1	----		(1)				
17	S2	Thermocouple		SHINI		5×93L×M8×8M		----		1	----		(1)				
18	S3	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200						
19		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000						
20	H1	Three-color alarm light		SHINI		Red,yel. gre.+ buzzer		24VAC/DC		1	BL90002401520						
21		Terminal board		HONEYWELL		SK4		4.0mm ²		6	YE60000403200						
22	X1	Terminal board		HONEYWELL		GK4PE		4.0mm ² PE		2	YE60000403500						
23		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		2	YE60002503400						
24	X2	Terminal board		HONEYWELL		GK35PE		35mm ² PE		1	YE60003503500						
SHD-3500U 机型版本 Ver.F		Notes: (1)Means it's not the material inside the control box.															
SHD-4000U 机型版本 Ver.E																	
				Drawer		Version		K		Title		Drawing NO.		Scale		Page 5	
				Designer		Approved by				SHD-3500U/4000U Electrical Parts List 1		SHD-3500U/4000U-CE-400V-K-5		Standard		CE	
				Proofread by		Checked by		Date		20200731				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	
Mark		Before modification		After modification		Modified by		Modify date						Frequency		3φ400V 50Hz	




机型版本 Ver.D					制图	版号	J	标题	SHD-5000U	图号	SHD-5000U-CE-400V-J-1	比例	第 1 张
					设计	核准		Main Circuit Diagram 1		标准	CE	共 6 张	
					校对	核准		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压	3φ400V		
标记	更改前	更改后	更改人	日期	审核	日期	20200617			机器频率	50Hz		

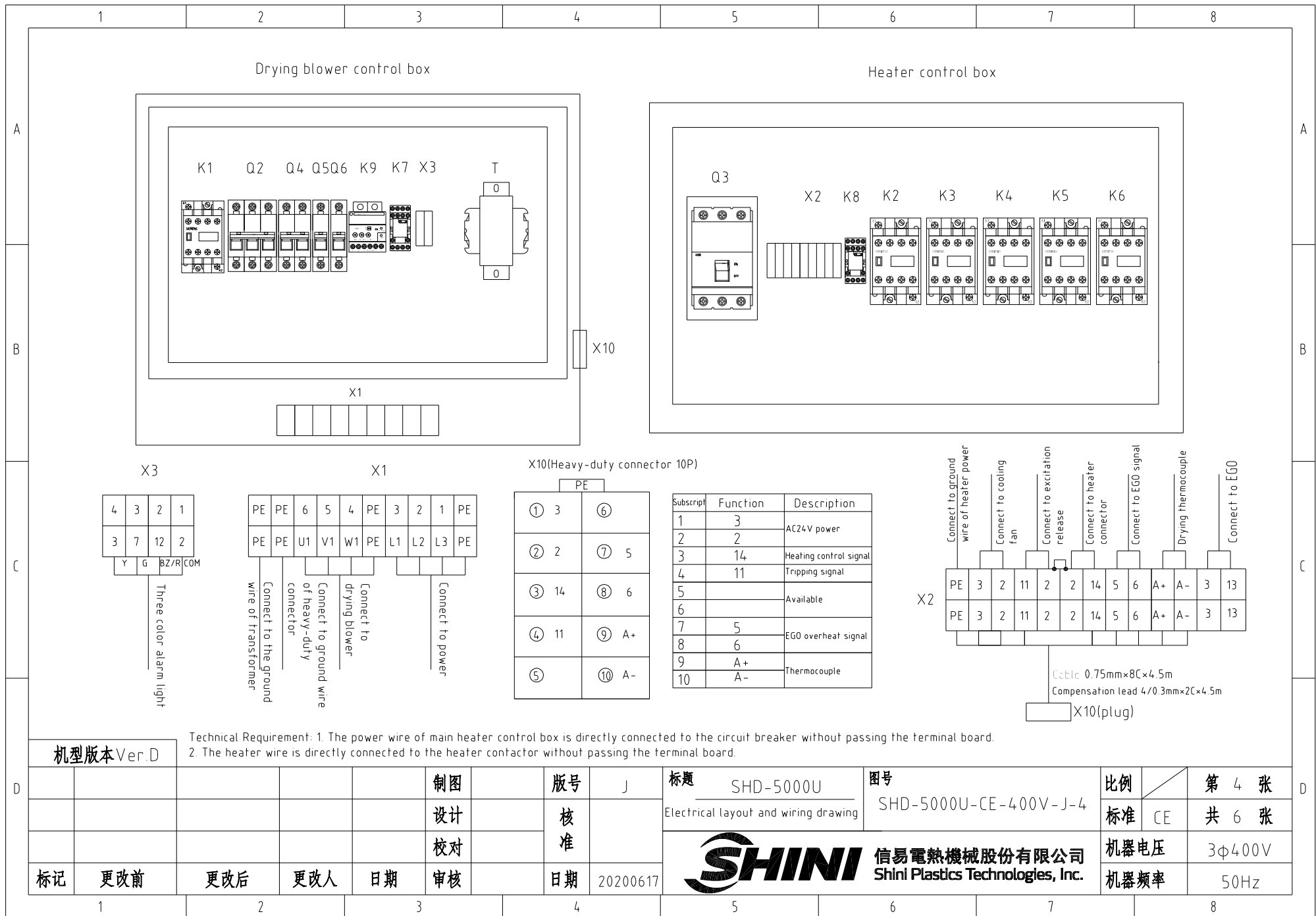


机型版本 Ver.D				制图		版号 J		标题 SHD-5000U		图号 SHD-5000U-CE-400V-J-2		比例		第 2 张	
				设计		核准		Main Circuit Diagram 2		标准 CE		共 6 张			
				校对				 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压		3φ400V			
标记				更改前		更改后				更改人		机器频率		50Hz	
日期		20200617													



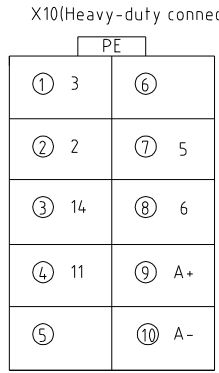
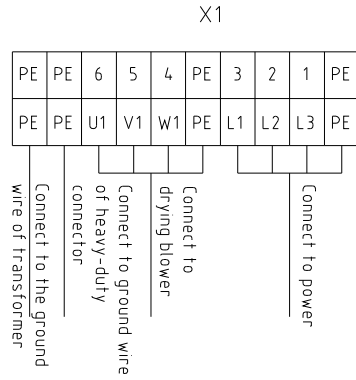
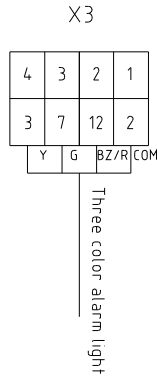
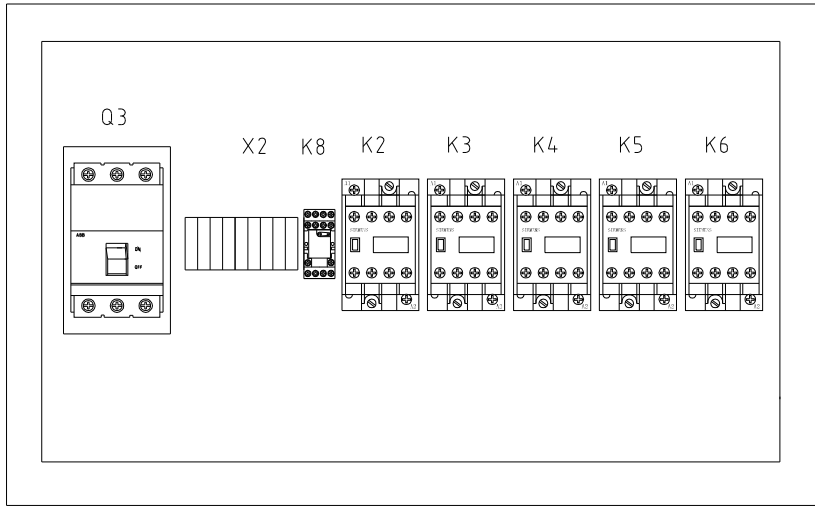
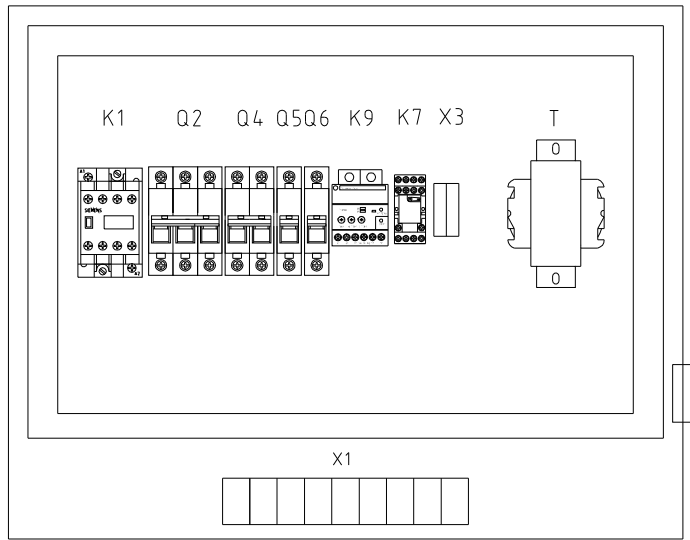
Note: The TS-02 controller CN2 should be connected to the heavy-duty connector X10 with the compensation cable.
 The drying thermocouple should be connected to the heavy-duty connector X10 with the compensation cable from the terminal board X2 to the heavy-duty connector X10.

机型版本 Ver.D		制图										版号	J	标题	SHD-5000U		图号	SHD-5000U-CE-400V-J-3		比例	第 3 张	
		设计										核准		Control Circuit Diagram				标准	CE	共 6 张		
		校对										核准		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压		3φ400V				
标记	更改前	更改后	更改人	日期	审核	日期	20200617	机器频率		50Hz												

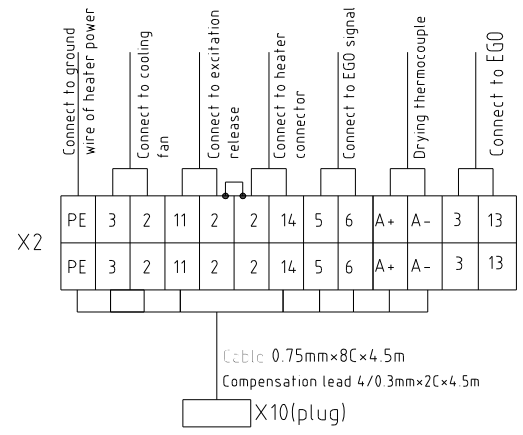


Drying blower control box

Heater control box



Subscript	Function	Description
1	3	AC24V power
2	2	
3	14	Heating control signal
4	11	Tripping signal
5		Available
6		
7	5	EGO overheat signal
8	6	
9	A+	Thermocouple
10	A-	




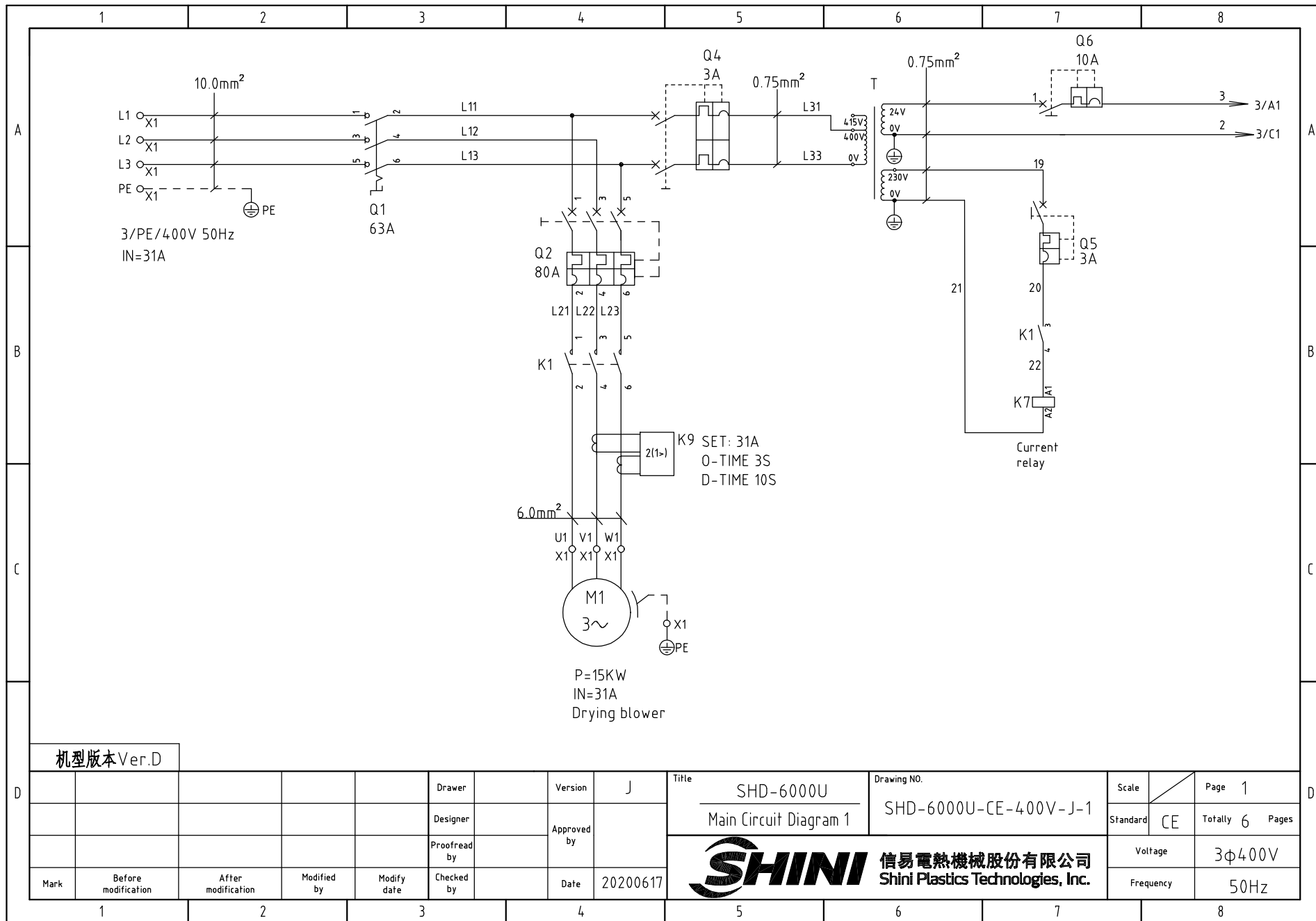
Technical Requirement: 1. The power wire of main heater control box is directly connected to the circuit breaker without passing the terminal board.
 2. The heater wire is directly connected to the heater contactor without passing the terminal board.

机型版本 Ver.D


标记	更改前	更改后	更改人	日期	审核	制图	版号	J
						设计	核	
						校对	准	
						日期	日期	20200617

标题	SHD-5000U	图号	SHD-5000U-CE-400V-J-4	比例	第 4 张
Electrical layout and wiring drawing				标准	共 6 张
信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.				机器电压	3φ400V
				机器频率	50Hz

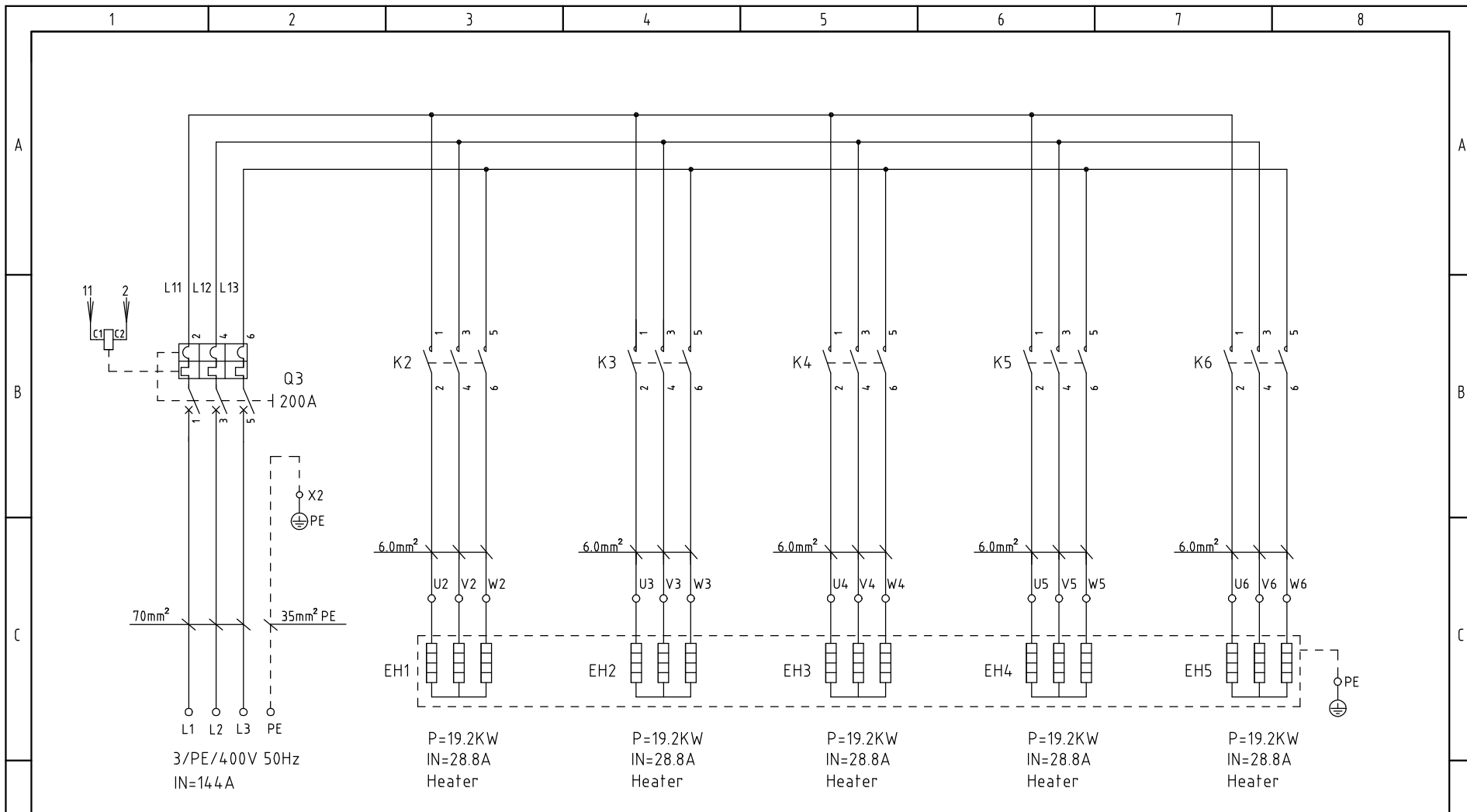
1		2		3		4		5		6		7		8			
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark				
1	Q1	Main power switch		EATON		P1-32/EA/SVB		32A		1	YE10323200000						
2	Q2	Circuit breaker		TECO		BM-63C/3050S 3P		50A 400V		1	YE40305003000						
3	Q3	Break Interlock		ABB		A2B250TMF160/16003P		160A		1	YE41161500000						
4		Excitation release		ABB		SOR-C		24-30VAC/DC		1	YE40243000900						
5	Q4	Circuit breaker		TECO		BM-63C/2003S 2P		3A		1	YE40200203000						
6	Q5	Circuit breaker		TECO		BM-63C/1003S 1P		3A		1	YE40100203000						
7	Q6	Circuit breaker		TECO		BM-63C/1010S 1P		10A		1	YE40101000100						
8	K1	AC Contactors		SIEMENS		3RT6027-1AC20		32A 24V AC		1	YE00602702600						
9		Auxiliary contactor		SIEMENS		3RH6911-1HA22		2NC+2NO		1	YE00691100000		New				
10	K2 K3 K4 K5 K6	AC Contactors		SIEMENS		3RT6027-1AC20		32A 24V AC		5	YE00602702600						
11	K7 K8	Middle relay		HONEYWELL		GR-2C-AC24V		24VAC		2	YE03022400300						
12	K9	Current relay		SCHNEIDER		LT4760M7S		5-60A-220V AC		1	YE04476000100						
13	T	Transformer		JIUXIN		IN=400V/415V OUT=24VAC /230V		350VA/350MA		1	YE70040007600						
14	PCB	PCB		YUYUN		TS-02(24VAC/DC)(components)		24V 50/60Hz		1	YE80022401200						
15	S1	Overheat protector		EGO		115-320℃		250V 16A		1	----		(1)				
16	S2	Thermocouple		SHINI		5×93L×M8×8M		----		1	----		(1)				
17	S3	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200						
18		Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		1	YR40048500000						
19	H1	三色警报灯/Alarm lamp		SHINI		红绿黄色+蜂鸣器		24V AC/DC		1	BL90000011520		Delete				
20	H1	Three color alarm light		SHINI		Red, green, yellow lights + buzzer		24VAC/DC		1	BL90002401520		New				
21	X1	Terminal board		HONEYWELL		GK6		6.0mm ²		6	YE60000603200						
22		Terminal board		HONEYWELL		GK6PE		6.0mm ² PE		2	YE60000603500						
23		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		2	YE60002503400						
24	X2	Terminal board		HONEYWELL		GK35PE		35mm ² PE		1	YE60003503500						
25		Terminal board		HONEYWELL		SK2.5		2.5mm ²		12	YE60002503200						
机型版本 Ver.D		Notes: (1)Means it's not the material inside the control box.															
				制图		版本号		J		标题		图号		比例		第 5 张	
				设计		核 准				SHD-5000U		SHD-5000U-CE-400V-J-5		标准 CE		共 6 张	
				校对						Electrical Components List 1							
标记		更改前		更改后		更改人		日期		20200617		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压		3φ400V	
														机器频率		50Hz	
1		2		3		4		5		6		7		8			




机型版本 Ver.D

D					Drawer		Version	J	Title	SHD-6000U	Drawing NO.	Scale	Page	1
					Designer		Approved by		Main Circuit Diagram 1	SHD-6000U-CE-400V-J-1	Standard	CE	Totally	6 Pages
D					Proofread by		Date	20200617	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.			Voltage	3φ400V	
	Mark	Before modification	After modification	Modified by	Modify date	Checked by						Frequency	50Hz	

1 2 3 4 5 6 7 8



机型版本 Ver.D

D					Drawer		Version	J	Title	SHD-6000U	Drawing NO.	SHD-6000U-CE-400V-J-2	Scale	Page 2
					Designer		Approved by		Main Circuit Diagram 2		Standard	CE	Totally 6 Pages	
					Proofread by		Date	20200617	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Voltage	3φ400V			
	Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency	50Hz			

1

2

3

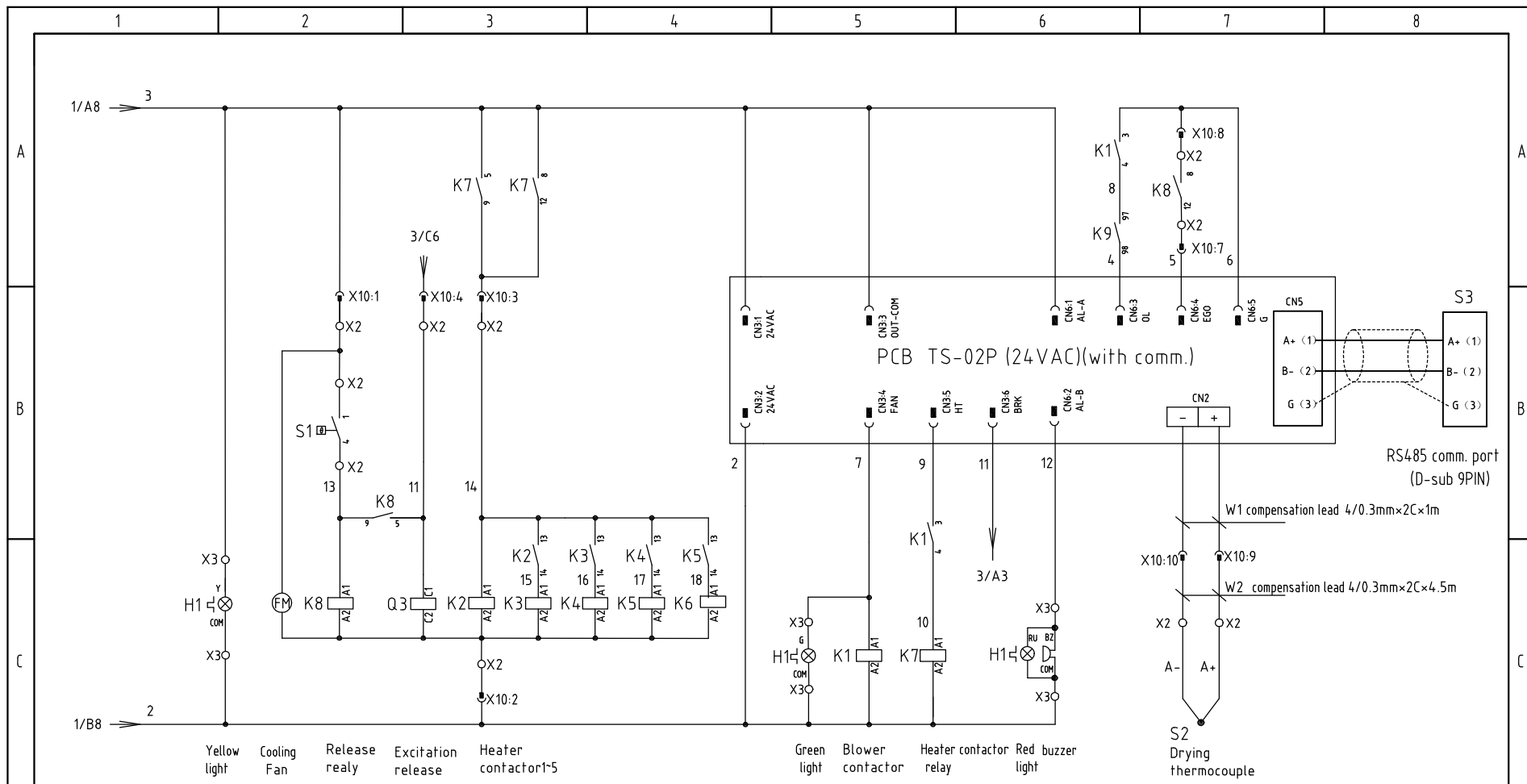
4

5

6


7

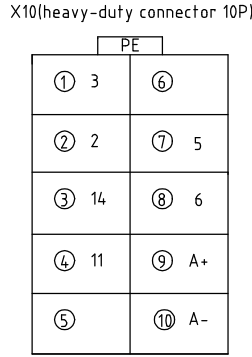
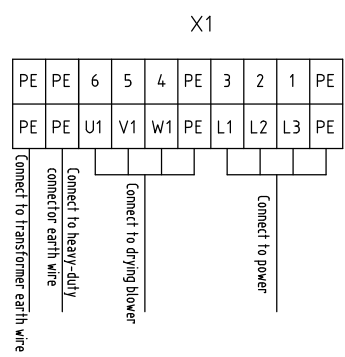
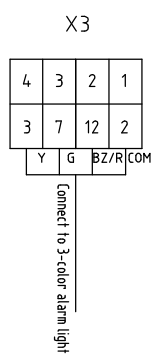
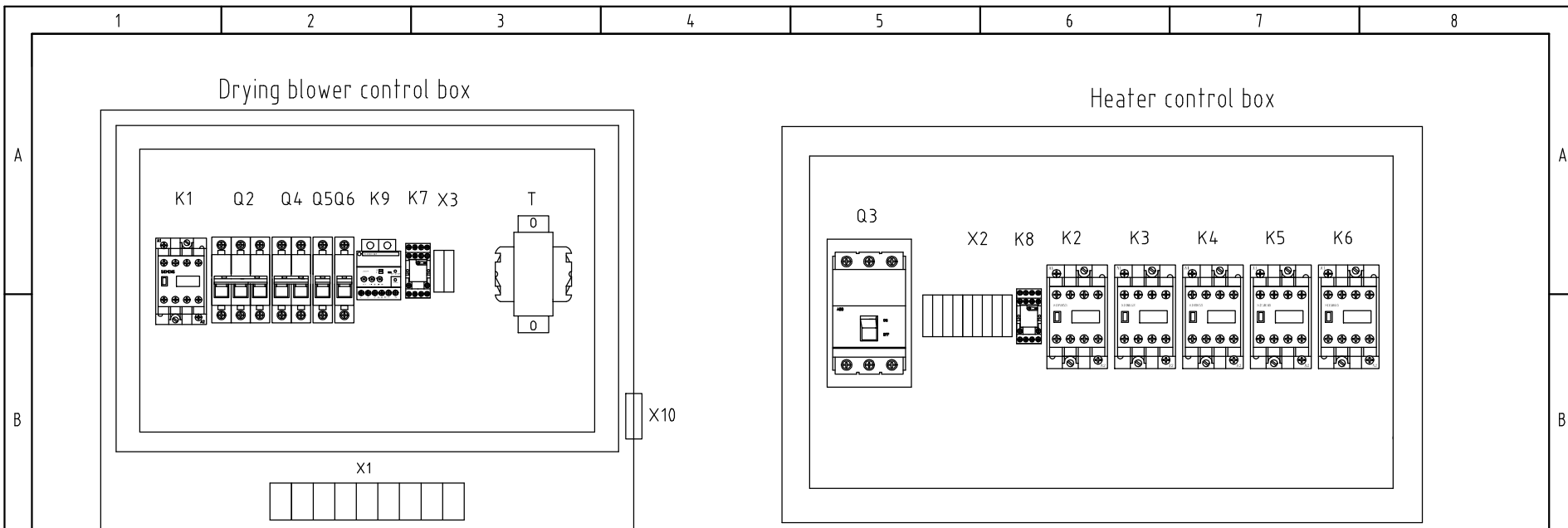
8



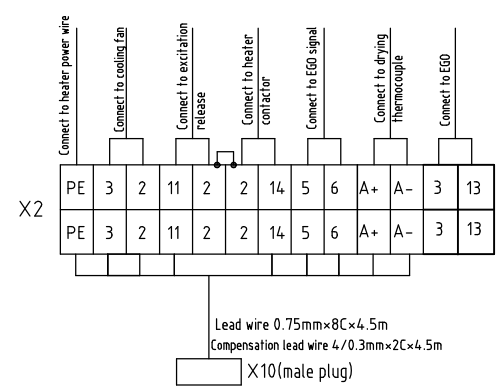
机型版本 Ver.D

Notes: The compensation lead wire must be connected between the TS-02 controller and heavy-duty connector X10.
The compensation lead wire must be connected from the terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

				Drawer	Version	J	Title	SHD-6000U	Drawing NO.	Scale	Page	3
				Designer	Approved by		Control Circuit Diagram	SHD-6000U-CE-400V-J-3	Standard	CE	Totally	6 Pages
				Proofread by	Date	20200617	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.			Voltage	3φ400V	
Mark	Before modification	After modification	Modified by	Modify date	Checked by					Frequency	50Hz	



No.	Function	Description
1	3	AC24V power
2	2	
3	14	Heater enabling signal
4	11	Releasing signal
5		Reserved
6		
7	5	EGO overheat signal
8	6	EGO overheat signal
9	A+	EGO overheat signal
10	A-	

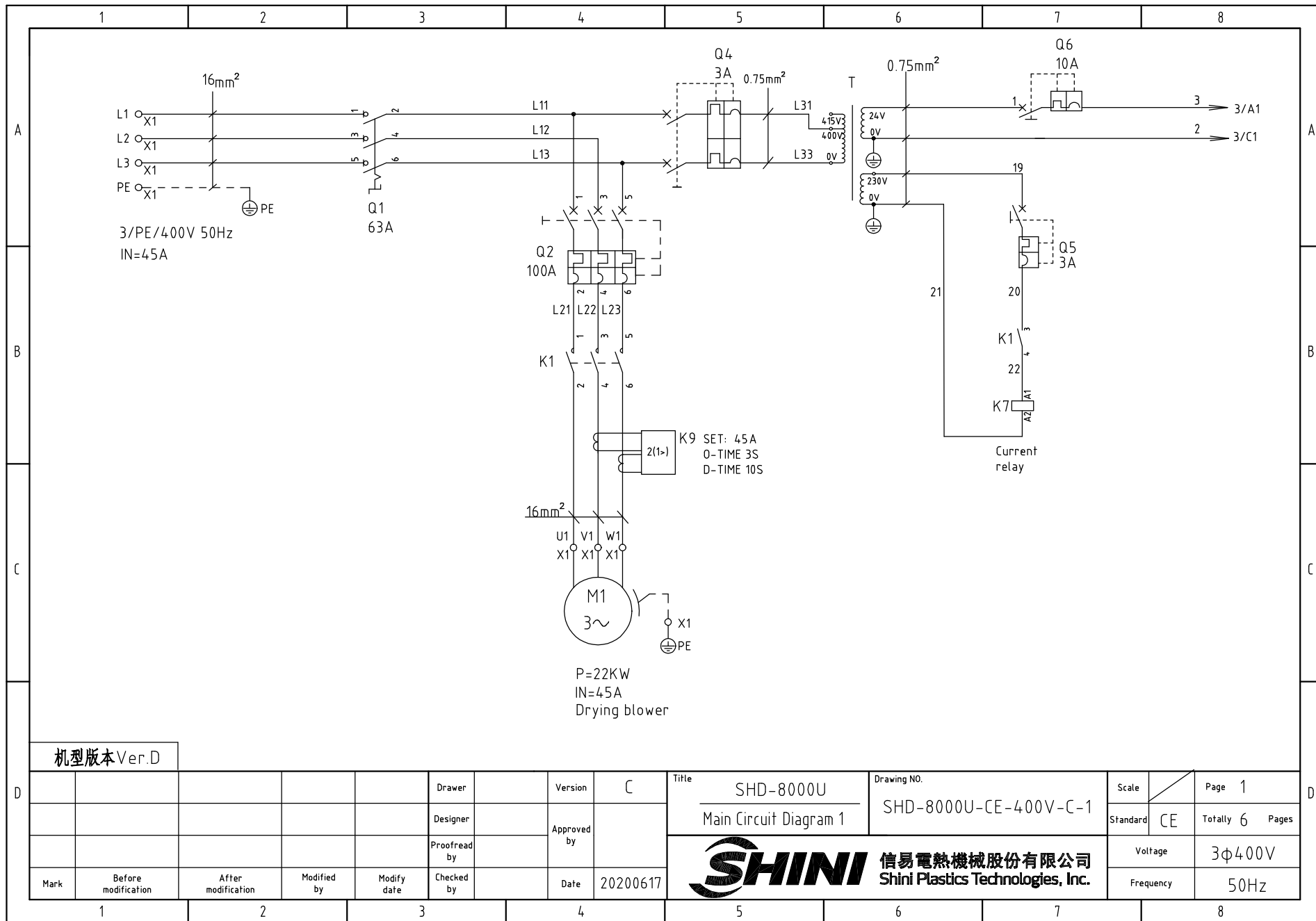


Tech. Req.1. The power wire of heater control box's host unit is directly connected to the break interlock without passing the terminal board.
2. The heater wire is directly connected to the heater contactor without passing the terminal board.

机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617	Title SHD-6000U Elec. Layout & Wiring Diagram	Drawing NO. SHD-6000U-CE-400V-J-4	Scale CE	Page 4 Totally 6 Pages
	SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V	Frequency	50Hz					

1		2		3		4		5		6		7		8		
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark			
A	1	Q1	Main switch		EATON		P3-63/EA/SVB		63A		1	YE10636300000				
	2	Q2	Circuit breaker		TECO		BM-100D/3080S 3P		80A 400V		1	YE40308003000				
	3	Q3	Break interlock		ABB		A2B250TMF200/20003P		200A		1	YE41252200000				
	4		Excitation release		ABB		SOR-C		24-30VAC/DC		1	YE40243000900				
	5	Q4	Circuit breaker		TECO		BM-63C/2003S 2P		3A		1	YE40200203000				
	6	Q5	Circuit breaker		TECO		BM-63C/1003S 1P		3A		1	YE40100203000				
	7	Q6	Circuit breaker		TECO		BM-63C/1010S 1P		10A		1	YE40101000100				
B	8	K1	AC contactor		SIEMENS		3RT6028-1AC20		38A 24V AC		1	YE00602802600				
	9		Assistant contact		SIEMENS		3RH6911-1HA22		2NC+2NO		1	YE00691100000		New		
	10	K2K3K4K5K6	AC contactors		SIEMENS		3RT6028-1AC20		38A 24V AC		5	YE00602802600				
	11	K7 K8	Middle relay		HONEYWELL		GR-2C-AC24V		24VAC		2	YE03022400300				
	12	K9	Current relay		SCHNEIDER		LT4760M7S		5-60A-220V AC		1	YE04476000100				
	13	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24VAC /230V		350VA/350MA		1	YE70040007600				
	14	PCB	Microcomputer control board/PCB		YUYUN		TS-02 (24VAC/DC)(assembly)		24V 50/60Hz		1	YE80022401200				
C	15	S1	Overheat protector		EGO		115-320℃		250V 5A		1	----		(1)		
	16	S2	Thermocouple		SHINI		5×93L×M8×8M		----		1	----		(1)		
	17	S3	Connect to interface port RS-485(Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
	18		Shell RS485(SAL-700G-A-19)ver.0		BINCHENG		----		----		1	YR40048500000				
	19	H1	三色警报灯/Alarm lamp		SHINI		红绿黄色+蜂鸣器		24V AC/DC		1	BL90000011520		Cancel		
	20	H1	3-color alarm lamp		SHINI		Red. yel. gre.+ buzzer		24VAC/DC		1	BL90002401520		New		
	21	X1	Terminal board		HONEYWELL		GK10		10mm ²		3	YE60001003200				
	22		Terminal board		HONEYWELL		GK10PE		10mm ² PE		1	YE60001003500				
	23		Terminal board		HONEYWELL		GK6		6mm ²		3	YE60000603200				
	24		Terminal board		HONEYWELL		GK6PE		6mm ² PE		1	YE60000603500				
	25		Terminal board		HONEYWELL		GK2.5PE		2.5mm ² PE		2	YE60002503400				
D	机型版本 Ver.D		Notes: (1)Materials not in the control box;													
					Drawer		Version	J	Title	SHD-6000U Elec. Parts List 1		Drawing NO.	SHD-6000U-CE-400V-J-5		Scale	Page 5
					Designer		Approved by					Standard	CE	Totally 6	Pages	
	Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20200617	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3φ400V		Frequency	50Hz



机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617
					Proofread by		
					Designer	Approved by	
					Drawer	Version	C

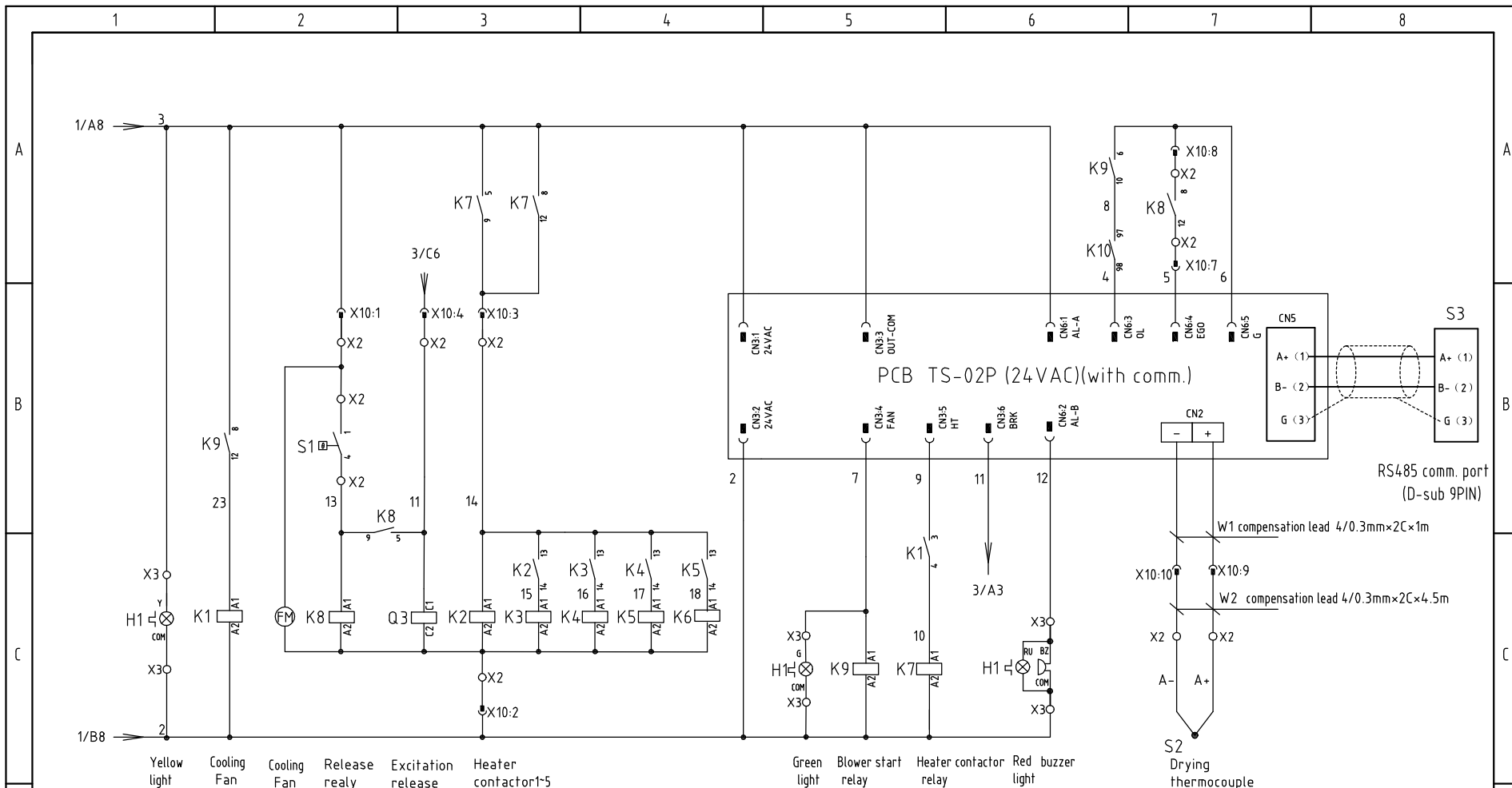
Title
SHD-8000U
Main Circuit Diagram 1

Drawing NO.
SHD-8000U-CE-400V-C-1

Scale	Page 1
Standard	Totally 6 Pages

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

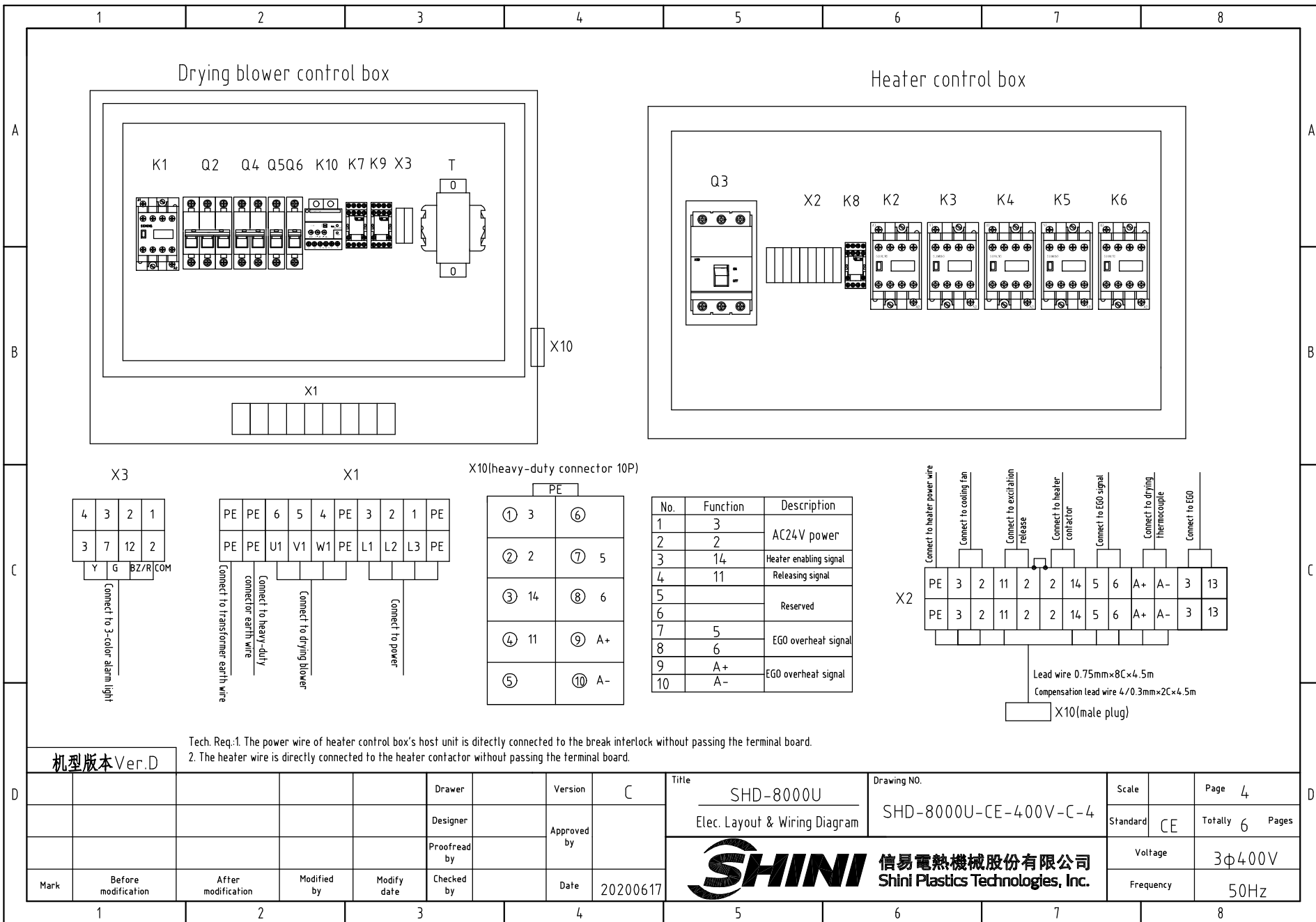
Voltage	3φ400V
Frequency	50Hz



机型版本 Ver.D

Notes: The compensation lead wire must be connected between the TS-02 controller and heavy-duty connector X10.
The compensation lead wire must be connected from the terminal board X2 to heavy-duty connector X10 of the drying thermocouple.

				Drawer	Version		Title		Drawing NO.		Scale	Page
				Designer	C		SHD-8000U		SHD-8000U-CE-400V-C-3		CE	3
				Proofread by	Approved by		Control Circuit Diagram				Totally	6 Pages
				Checked by	Date		SHINI 信易電熱機械股份有限公司		Shini Plastics Technologies, Inc.		Voltage	3φ400V
Mark	Before modification	After modification	Modified by	Modify date	20200617					Frequency	50Hz	



Drying blower control box

Heater control box

K1 Q2 Q4 Q5 Q6 K10 K7 K9 X3 T

Q3 X2 K8 K2 K3 K4 K5 K6

X3

X1

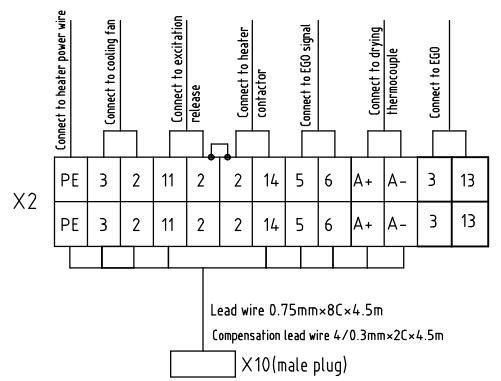
X10 (heavy-duty connector 10P)

4	3	2	1
3	7	12	2
Y	G	BZ/R	COM

PE	PE	6	5	4	PE	3	2	1	PE
PE	PE	U1	V1	W1	PE	L1	L2	L3	PE

PE	
① 3	⑥
② 2	⑦ 5
③ 14	⑧ 6
④ 11	⑨ A+
⑤	⑩ A-

No.	Function	Description
1	3	
2	2	AC24V power
3	14	Heater enabling signal
4	11	Releasing signal
5		Reserved
6		
7	5	EGO overheat signal
8	6	EGO overheat signal
9	A+	EGO overheat signal
10	A-	EGO overheat signal



Connect to 3-color alarm light

Connect to transformer earth wire

Connect to heavy-duty connector earth wire

Connect to drying blower

Connect to power

Connect to heater power wire

Connect to cooling fan

Connect to excitation release

Connect to heater contactor

Connect to EGO signal

Connect to drying thermocouple

Connect to EGO

Lead wire 0.75mm×8C×4.5m
Compensation lead wire 4/0.3mm×2C×4.5m

X10 (male plug)

Tech. Req.1. The power wire of heater control box's host unit is directly connected to the break interlock without passing the terminal board.
2. The heater wire is directly connected to the heater contactor without passing the terminal board.

机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200617
					Drawer	Version	C
					Designer	Approved by	
					Proofread by		

Title	SHD-8000U Elec. Layout & Wiring Diagram	Drawing NO.	SHD-8000U-CE-400V-C-4	Scale	Page 4
SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Standard	CE	Totally 6 Pages	
		Voltage	3φ400V		
		Frequency	50Hz		

1		2		3		4		5		6		7		8					
NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark											
1	Q1	Main switch	EATON	P3-63/EA/SVB 63A	63A	1	YE10636300000												
2	Q2	Circuit breaker	TECO	BM-100D 3P	100A 400V	1	YE40310003000												
3	Q3	Break interlock	ABB	A2B250TMF250/25003PFF	250A	1	YE41252800000												
4		Excitation release	ABB	SOR-C 24-30VAC	----	1	YE40243000900												
5	Q4	Circuit breaker	TECO	BM-63C/2003S 2P	3A	1	YE40200203000												
6	Q5	Circuit breaker	TECO	BM-63C/1003S 1P	3A	1	YE40100203000												
7	Q6	Circuit breaker	TECO	BM-63C/1010S 1P	10A	1	YE40101000100												
8	K1	Contact	SIEMENS	3RT5044-1AC20	65A 24V 50/60Hz	1	YE00504402600												
9		Assistant contact	SIEMENS	3RH5921-1CA10	1N0	1	YE00592110000												
10	K2 K3 K4 K5 K6	Contactors	SIEMENS	3RT5036-1AC20	50A 24V 50/60Hz	5	YE00503602600												
11		Assistant contact	SIEMENS	3RH5921-1CA10	1N0	4	YE00592110000												
12	K7 K8	Middle relay	HONEYWELL	GR-2C-AC24V	24 VAC	2	YE03022400300												
13	K9	Middle relay	HONEYWELL	GR-4C-AC24V	24VAC	1	YE03042400300	New											
14	K10	Current relay	SCHNEIDER	LT476M7S	5-60A-220VAC	1	YE04476000100												
15	T	Transformer	JIUXIN	IN=400V/415V OUT=24VAC /230V	350VA/ 350MA	1	YE70040007600												
16	PCB	Microcomputer control board/PCB	PUMP	TS-02P (24VAC/DC)(assembly)	24V 50/60Hz	1	YE80022405200												
17	S1	Overheat protector	EGO	115-320℃	250V 5A	1	----	(1)											
18	S2	Thermocouple	SHINI	5x93LxM8x8M	----	1	----	(1)											
19	S3	Connect to interface port RS-485(Dsub-9pin connector)	YUYUN	----	----	1	YE90048501200												
20		Shell RS485(SAL-700G-A-19)ver.0	BINCHEG	----	----	1	YR40048500000												
21	H1	三色警报灯 / Alarm lamp	SHINI	红绿黄色+蜂鸣器	24V AC/DC	1	BL90000011520	Cancel											
22	H1	3-color alarm lamp	SHINI	Red. yel. gre.+ buzzer	24 VAC/DC	1	BL90002401520	New											
23	X1	Terminal board	HONEYWELL	GK16	16mm ²	6	YE60001603200												
24		Terminal board	HONEYWELL	GK16PE	16mm ² PE	2	YE60001603200												
25		Terminal board	HONEYWELL	GK2.5PE	2.5mm ² PE	2	YE60002503400												
机型版本 Ver.D		Notes: (1)Materials not in the control box;																	
				Drawer		Version		C		Title		SHD-8000U		Drawing NO.		Scale		Page 5	
				Designer		Approved by				Elec. Parts List 1		SHD-8000U-CE-400V-C-5		Standard		CE		Totally 6 Pages	
				Proofread by		Date		20200617		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3φ400V					
Mark		Before modification		After modification		Modified by		Modify date				Checked by		Frequency		50Hz			
1		2		3		4		5		6		7		8					

