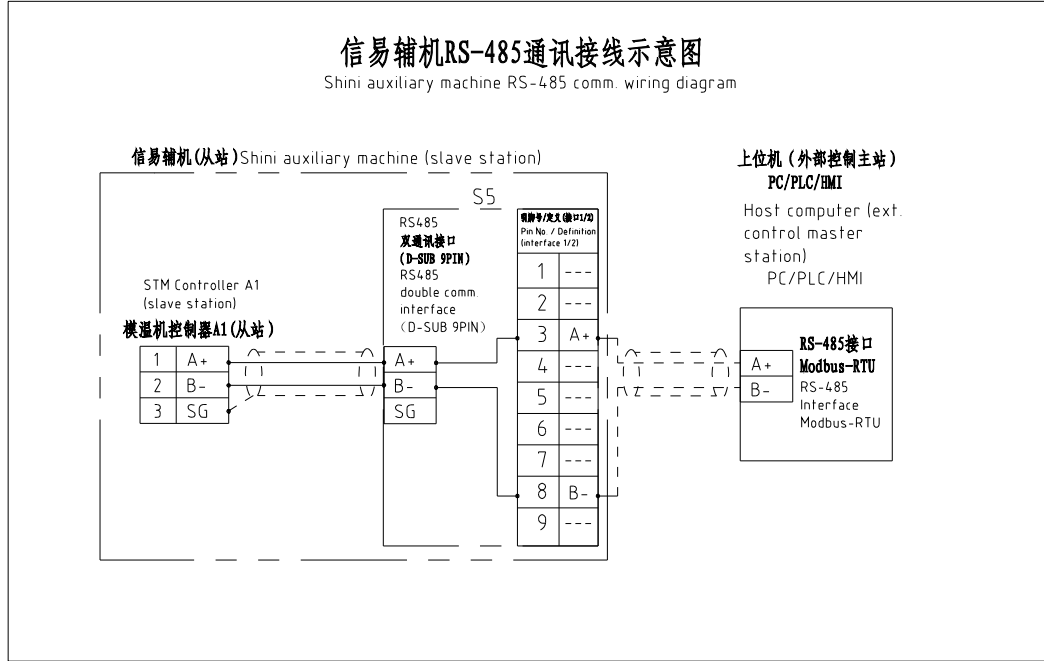


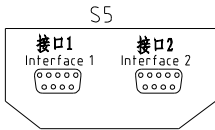
机型版本 Ver.G

				制图	版号	L	标题	SD-40H	图号	SD-40H-CE-400V-L-1	比例	第 1 张
				设计	核准		主电路图		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		20230321	机器频率	50Hz		

1 2 3 4 5 6 7 8



信易RS-485接口定义
Shini RS-485 interface definition



D-sub-9针接口 D-sub-9 pin interface	引脚号 Pin No	引脚定义 Pin definition
	1	-
	2	-
	3	A+ (RS-485 信号) A+ (RS-485 signal)
	4	-
	5	-
	6	-
	7	-
	8	B- (RS-485 信号) B- (RS-485 signal)
	9	-

- 注: 1. 通讯接口: RS-485 (两线式)
2. 通讯协议: Modbus-RTU
3. 机器配备D-sub9母接头, 接口1和接口2内部并联, 功能相同, 不分主次;

Note:
1 Comm. interface: RS-485 (two wire)
2 Comm. protocol: Modbus-RTU
3 The machine is equipped with D-sub9 female connector; interface 1 and interface 2 are connected in parallel and have the same function, which is regardless of primary and secondary.

机型版本 Ver.G

						制图	版号	L	标题	SD-40H	图号	SD-40H-CE-400V-L-3	比例	第 3 张	
						设计	核		通讯接线图				标准	CE	共 6 张
						校对	准				信易電熱機械股份有限公司		机器电压	3φ400V	
标记	更改前	更改后	更改人	日期	审核	日期	20230321	Shini Plastics Technologies, Inc.			机器频率	50Hz			

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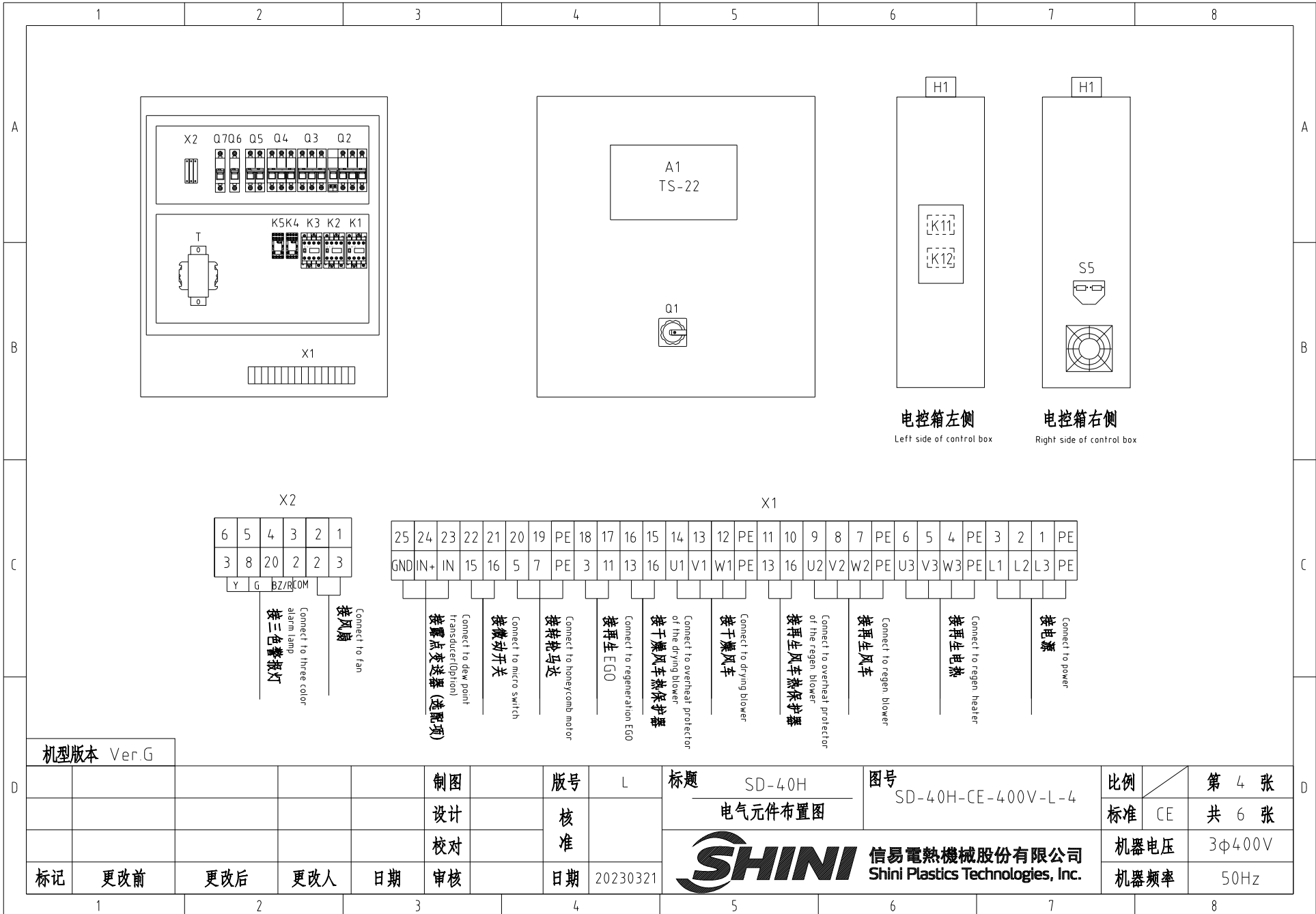
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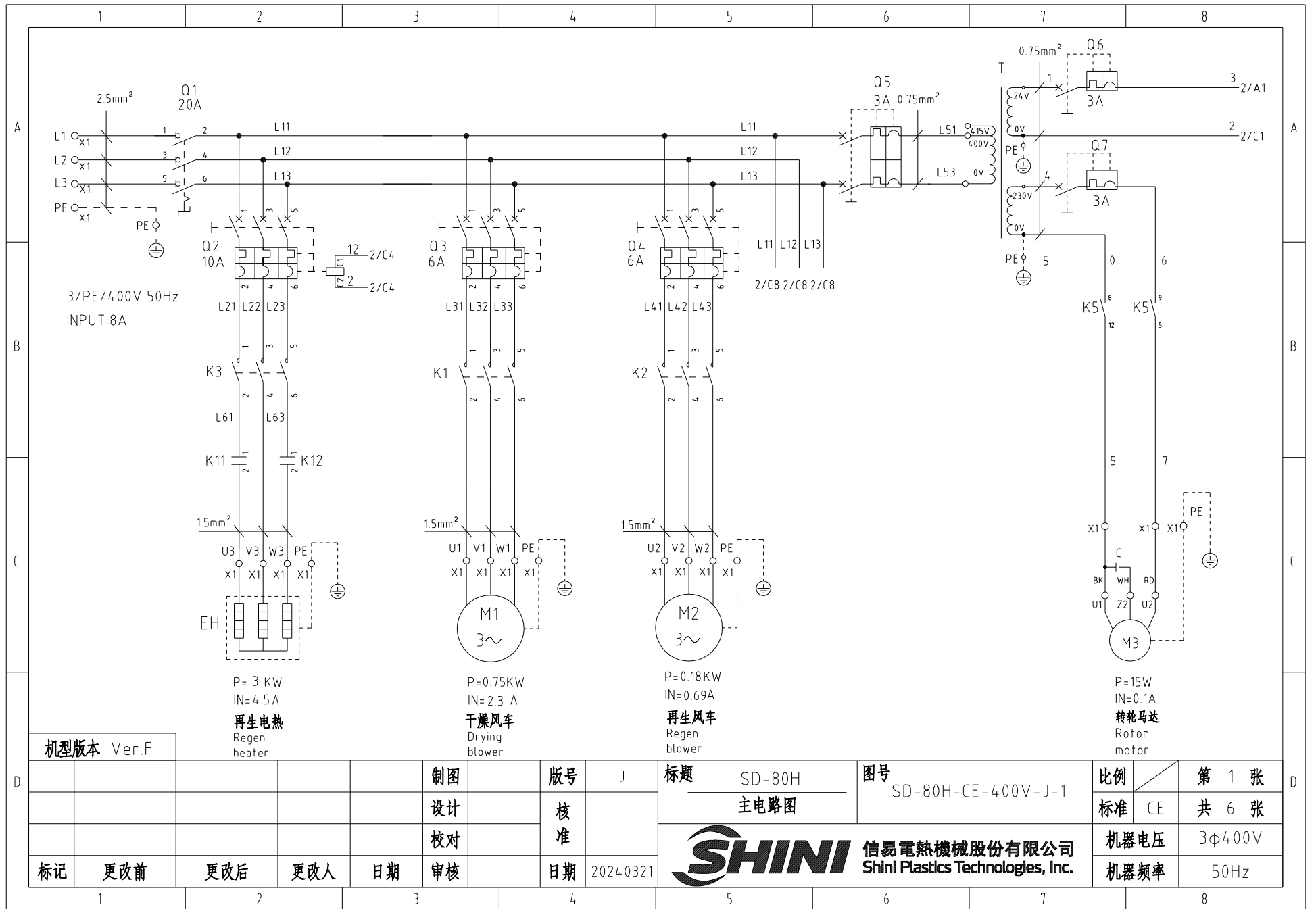


机型版本 Ver.G

					制图	版号	L	标题	SD-40H	图号	SD-40H-CE-400V-L-4	比例	第 4 张
					设计	核		电气元件布置图		标准	CE	共 6 张	
					校对	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	20230321		机器频率	50Hz			

1		2		3		4		5		6		7		8					
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark					
A	1	Q1	主电源开关 /Main power switch		EATON		T0-2-1/EA/SVB/20A		20A		PCS	1	YE10021160000						
	2	Q2	断路器 /Circuit breakers		TECO		BM-63C		10A		PCS	1	YE40301003000						
	3		励磁脱扣器 /Excitation release		YIJIN		MX		24 VAC		PCS	1	YE40024000000						
	4	Q3 Q4	断路器 /Circuit breakers		TECO		BM-63C		6A		PCS	2	YE40300603000						
	5	Q5	断路器 /Circuit breakers		TECO		BM-63C		3A		PCS	1	YE40200203000						
	6	Q6 Q7	断路器 /Circuit breakers		TECO		BM-63C		3A		PCS	2	YE40100203000						
	7	K1 K2 K3	接触器 /Contactors		SIEMENS		3RT6015-1AB01-24 VAC		24 VAC 50/60Hz		PCS	3	YE00601502500						
B	8	K4 K5	中间继电器/Middle Relay		Honeywell		GR-2C(底座 base PGR-2C-E		24 V AC		PCS	2	YE03022400300						
	9	K11 K12	固态继电器/Solid state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		PCS	2	YE03404003200						
	10	T	变压器 /Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		PCS	1	YE70040007300						
	11	A1	微电脑板 /PCB		YUYUN		TS-22(组合件Assembly) SSR输出output		24 V 50/60Hz		PCS	1	YE80222408200						
	12	S3	露点变送器 /Dew-point transducer		VAISALA		DMT14-1		POWER-24 VDC 4-20mA		PCS	1	YE90014100100		(1) (2)				
	13	S5	通信接口板RS-485(双绞线接口) Communication interface board RS-485 (double braid-jack connector)		YUYUN		----		PCS		PCS	1	YE90048501200						
	14		外壳RS485(SAL-700G-A-19)0版 Shell RS485(SAL-700G-A-19)0		BINCHENG		----		PCS		PCS	1	YR40048500000						
C	15	X1 X2	端子排 /Terminal board		Honeywell		SK4		4mm ²		PCS	16	YE60000403200						
	16		端子排 /Terminal board		Honeywell		GK5PE		4mm ² PE		PCS	4	YE60000403500						
	17		端子排 /Terminal board		Honeywell		SK2.5		2.5mm ²		PCS	15	YE60002503200						
	18		端子排 /Terminal board		Honeywell		GK2.5PE		2.5mm ² PE		PCS	1	YE60002503400						
	19	H1	三色报警灯(红黄绿三色)报警灯(SMT+LED) 3-color alarm lamp (Red, green, yellow lights + buzzer)		SHINI		优先级 Priority		24 V 50/60Hz		PCS	1	BL90002401520		(1)				
	20		终端固定件E/GK系列 Terminal fittings E/GK series		Honeywell		E		GK		PCS	6	YE60000003900						
	--	S1	热电偶 /Thermocouple		SHINI		-----		K			1	----		(1)				
	--	S2	温度保护器 /Overheat protector		EGO		ZA300		250V 300°C			1	----		(1) (2)				
	--	S4	微动开关/Micro switch		----		----		----			1	----		(1)				
	--	FM	风扇 /Fan		SUNON		12x12CM		24 VAC 50/60Hz			1	----		(1)				
--	M1	风机 /Blower		SHINI		-----		0.2kW 400V			1	----		(1)					
机型版本 Ver.G		注: (1) 表示非电控箱安装 (2) 表示选配露点变送器 Notes: (1)Means it 's not the material inside the control box. (2) Optional dew point transducer.																	
D					制图		版号		L		标题		图号		比例		第 5 张		
					设计		核				SD-40H		SD-40H-CE-400V-L-5		标准		CE		
					校对		准				SHINI		信易電熱機械股份有限公司		机器电压		3φ400V		
	标记		更改前		更改后		更改人		日期		20230321		Shini Plastics Technologies, Inc.		机器频率		50Hz		
1		2		3		4		5		6		7		8					

1		2		3		4		5		6		7		8	
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		数量/Number	物料编号/Material number		备注/Remark		
--	M2	风机/Blower		SHINI		-----		0.12kW 400V		1	-----		(1)		
--	M3	转轮马达/Rotor motor		----		-----		6W 230V 50/60Hz		1	-----		(1)		
--	EH	电热/Heater		SHINI		-----		3kW 400V		1	-----		(1)		
Notes: (1)Means it 's not the material inside the control box. (2) Optional dew point transducer.															
机型版本 Ver.G		注：(1)表示非电控箱安装 (2)表示选配露点变送器													
				制图		版号 L		标题 SD-40H		图号 SD-40H-CE-400V-L-6		比例		第 6 张	
				设计		核 准		电气元件明细表二				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				日期		20230321		机器频率	
1		2		3		4		5		6		7		8	



机型版本 Ver.F

P= 3 KW
IN= 4.5 A
再生电热
Regen.
heater

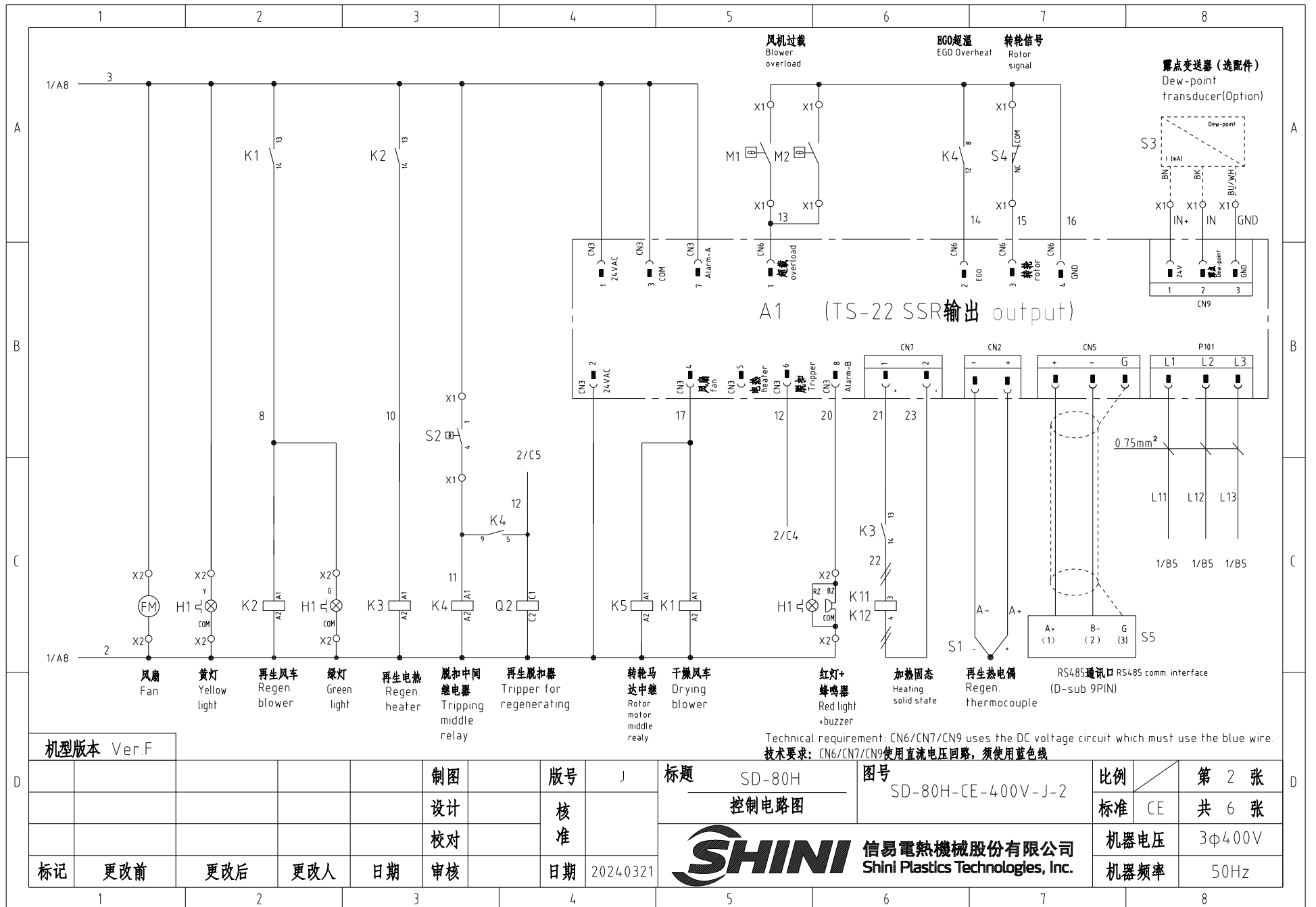
P=0.75KW
IN=2.3 A
干燥风车
Drying
blower

P=0.18KW
IN=0.69A
再生风车
Regen.
blower

P=15W
IN=0.1A
转轮马达
Rotor
motor

				制图	版号	J	标题	SD-80H	图号	SD-80H-CE-400V-J-1	比例	第 1 张
				设计	核准		主电路图				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				20240321	机器频率	50Hz

1 2 3 4 5 6 7 8



机型版本 Ver.F

制图	版号	J	标题	SD-80H
设计	核准		图号	SD-80H-CE-400V-J-2
校对	核准		比例	第 2 张
审核	日期	20240321	标准	CE 共 6 张
标记	更改前	更改后	更改人	日期

SHINI 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

A

A

B

B

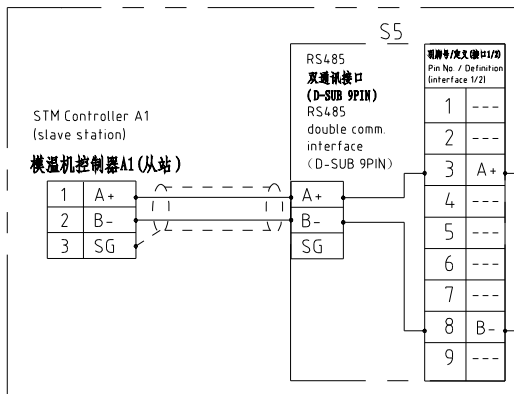
C

C

信易辅机RS-485通讯接线示意图

Shini auxiliary machine RS-485 comm. wiring diagram

信易辅机(从站) Shini auxiliary machine (slave station)

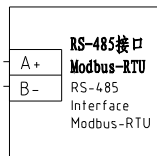


上位机(外部控制主站)

PC/PLC/HMI

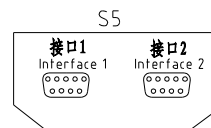
Host computer (ext. control master station)

PC/PLC/HMI



信易RS-485接口定义

Shini RS-485 interface definition



D-sub-9针接口 D-sub-9 pin interface	引脚号 Pin No.	引脚定义 Pin definition
	1	-
	2	-
	3	A+ (RS-485 信号) A+ (RS-485 signal)
	4	-
	5	-
	6	-
	7	-
	8	B- (RS-485 信号) B- (RS-485 signal)
	9	-

注: 1. 通讯接口: RS-485 (两线式)

2. 通讯协议: Modbus-RTU

3. 机器配备D-sub9母接头, 接口1和接口2内部并联, 功能相同, 不分主次;

Note:

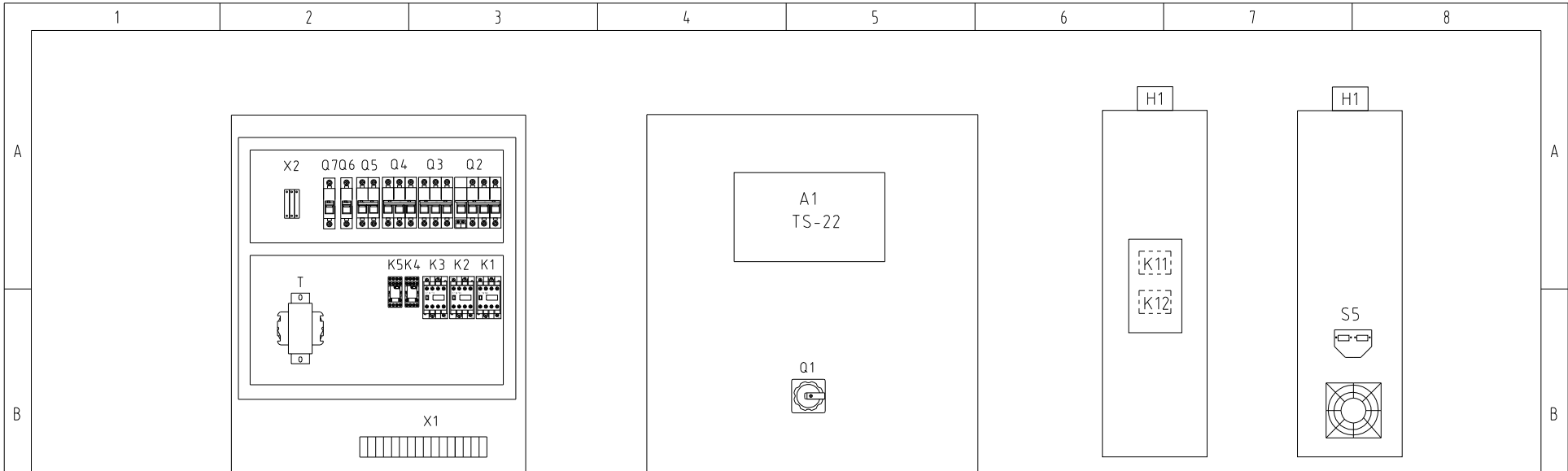
1. Comm. interface: RS-485 (two wire)

2. Comm. protocol: Modbus-RTU

3. The machine is equipped with D-sub9 female connector, interface 1 and interface 2 are connected in parallel and have the same function, which is regardless of primary and secondary.

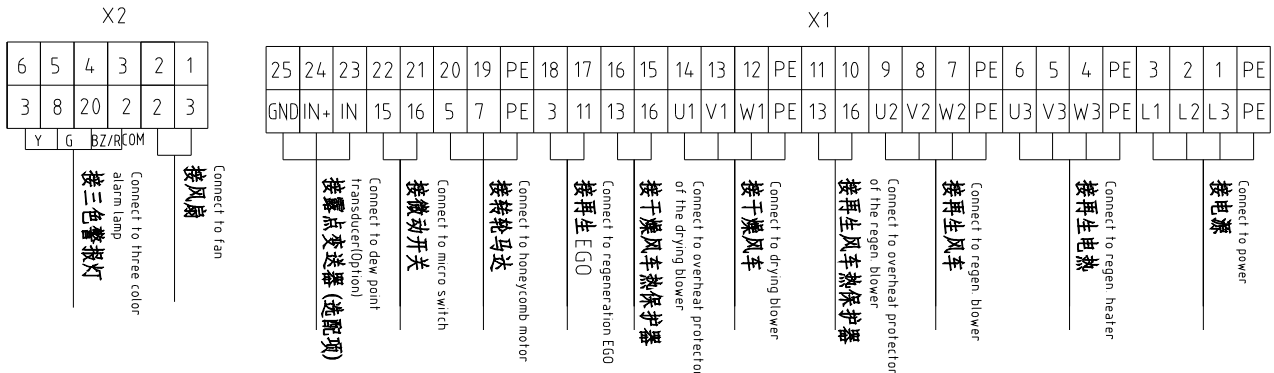
机型版本 Ver.F

						制图	版号	J	标题	SD-80H	图号	SD-80H-CE-400V-J-3	比例	第 3 张	
						设计	核准		通讯接线图				标准	CE	共 6 张
						校对	审核		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	20240321					机器频率	50Hz		



电控箱左侧
Left side of control box

电控箱右侧
Right side of control box



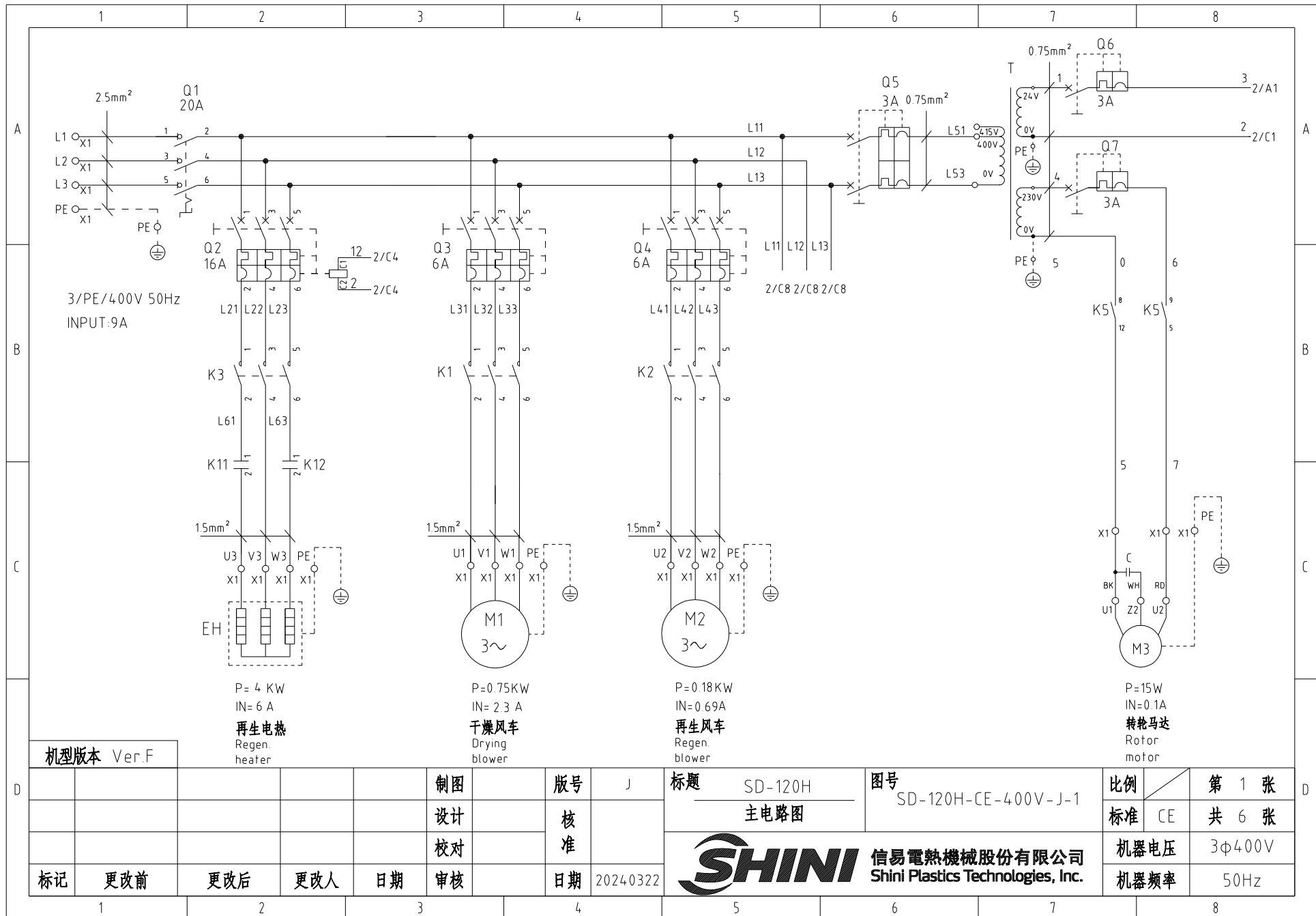
机型版本 Ver.F

				制图		版号 J		标题 SD-80H		图号 SD-80H-CE-400V-J-4		比例		第 4 张	
				设计		核准		电气元件布置图				标准 CE		共 6 张	
				校对				信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		机器电压		3φ400V			
标记		更改前		更改后		更改人				日期		机器频率		50Hz	

1 2 3 4 5 6 7 8

1		2		3		4		5		6		7		8		
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark		
A	1	Q1	主电源开关 /Main power switch		EATON		T0-2-1/EA/SVB/20A		20A		PCS	1	YE10021160000			
	2	Q2	断路器 /Circuit breakers		TECO		BM-63C		10A		PCS	1	YE40301003000			
	3		励磁脱扣器 /Excitation release		YIJIN		MX		24 VAC		PCS	1	YE40024000000			
	4	Q3 Q4	断路器 /Circuit breakers		TECO		BM-63C		6A		PCS	2	YE40300603000			
	5	Q5	断路器 /Circuit breakers		TECO		BM-63C		3A		PCS	1	YE40200203000			
	6	Q6 Q7	断路器 /Circuit breakers		TECO		BM-63C		3A		PCS	2	YE40100203000			
	7	K1 K2 K3	接触器 /Contactors		SIEMENS		3RT6015-1AB01-24 VAC		24 VAC 50/60Hz		PCS	3	YE00601502500			
B	8	K4 K5	中间继电器/Middle Relay		Honeywell		GR-2C底座 base PGR-2C-E		24 V AC		PCS	2	YE03022400300			
	9	K11 K12	固态继电器/Solid state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		PCS	2	YE03404003200			
	10	T	变压器 /Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		PCS	1	YE70040007300			
	11	A1	微电脑板 /PCB		YUYUN		TS-22(组合件Assembly) SSR输出 output		24 V 50/60Hz		PCS	1	YE80222408200			
	12	S3	露点变送器 /Dew-point transducer		VAISALA		DMT14-1		POWER-24 VDC 4-20mA		PCS	1	YE90014100100		(1) (2)	
	13	S5	通信板(RS-485/Modbus接口) Communication interface board RS-485 (double D-sub-9pin connector)		YUYUN		----		PCS		PCS	1	YE90048501200			
	14		外壳RS485(SAL-700G-A-19)0版 Shell RS485(SAL-700G-A-19)0		BINCHENG		----		PCS		PCS	1	YR40048500000			
C	15	X1 X2	端子排 /Terminal board		Honeywell		SK4		4mm ²		PCS	16	YE60000403200			
	16		端子排 /Terminal board		Honeywell		GK5PE		4mm ² PE		PCS	4	YE60000403500			
	17		端子排 /Terminal board		Honeywell		SK2.5		2.5mm ²		PCS	15	YE60002503200			
	18		端子排 /Terminal board		Honeywell		GK2.5PE		2.5mm ² PE		PCS	1	YE60002503400			
	19		终端固定件E/GK系列 Terminal fittings E/GK series		Honeywell		E		GK		PCS	6	YE60000003900			
	20	H1	三色报警灯(红黄绿三色)三色报警灯(SMT+IC)3-color alarm lamp (Red, green, yellow lights + buzzer)		SHINI		优先级 Priority		24V 50/60Hz		PCS	1	BL90002401520		(1)	
	--	S4	微动开关/Micro switch		-----		-----		-----			1	-----		(1)	
	--	S1	热电偶 /Thermocouple		SHINI		-----		K			1	-----		(1)	
	--	S2	温度保护器 /Overheat protector		EGO		ZA300		250V 300°C			1	-----		(1)	
	--	FM	风扇/Fan		SUNON		12x12CM		24 VAC 50/60Hz			1	-----		(1)	
--	M1	风机/Blower		SHINI		-----		0.75kW 400V			1	-----		(1)		
机型版本 Ver.F		注：(1)表示非电控箱安装 (2)表示选配露点变送器 Notes: (1)Means it 's not the material inside the control box. (2) Optional dew point transducer.														
D					制图		版本号 J		标题 SD-80H		图号 SD-80H-CE-400V-J-5		比例		第 5 张	
					设计		核准		电气元件明细表一				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				日期		机器频率		50Hz	
1		2		3		4		5		6		7		8		

1	2		3	4	5	6	7	8					
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer	型号/Type	规格/Specification	数量/Number	物料编号/Material number	备注/Remark				
--	M2	风机/Blower		SHINI	-----	0.2kW 400V	1	-----	(1)				
--	M3	转轮马达/Rotor motor		----	-----	6W 230V 50/60Hz	1	-----	(1)				
--	EH	电热/Heater		SHINI	-----	3kW 400V	1	-----	(1)				
Notes: (1)Means it 's not the material inside the control box. (2) Optional dew point transducer.													
机型版本 Ver.F	注: (1) 表示非电控箱安装 (2) 表示选配露点变送器												
				制图		版号	J	标题	SD-80H	图号	SD-80H-CE-400V-J-6	比例	第 6 张
				设计		核		电气元件明细表二		标准	CE	共 6 张	
				校对		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	20240321		机器频率	50Hz			
1	2		3	4	5	6	7	8					



机型版本 Ver.F

P= 4 KW
IN= 6 A
再生电热
Regen.
heater

P=0.75KW
IN= 2.3 A
干燥风车
Drying
blower

P=0.18KW
IN=0.69A
再生风车
Regen.
blower

P=15W
IN=0.1A
转轮马达
Rotor
motor

制图		版号		标题		图号		比例		第 1 张	
设计		核准		主电路图		SD-120H-CE-400V-J-1		标准		共 6 张	
校对		日期		 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		机器电压		3φ400V			
审核		日期				机器频率		50Hz			
标记	更改前	更改后	更改人	日期	20240322						

1

2

3

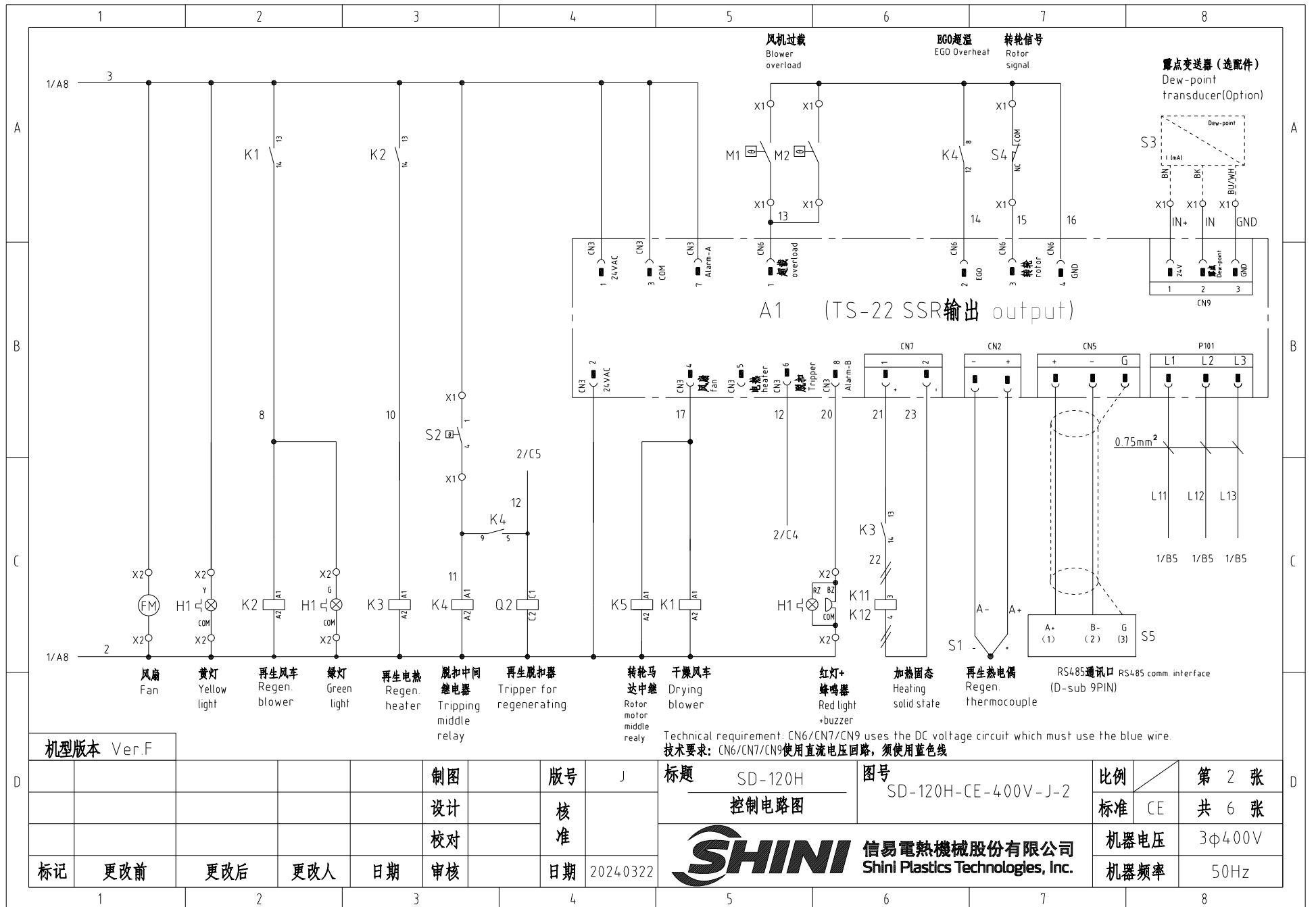
4

5

6

7

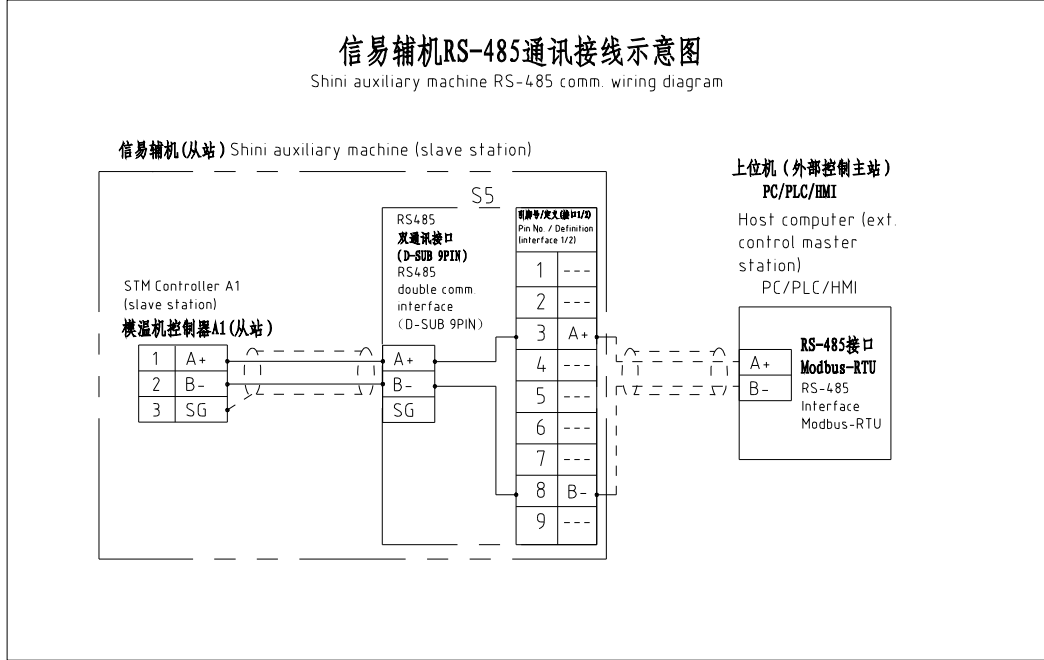
8



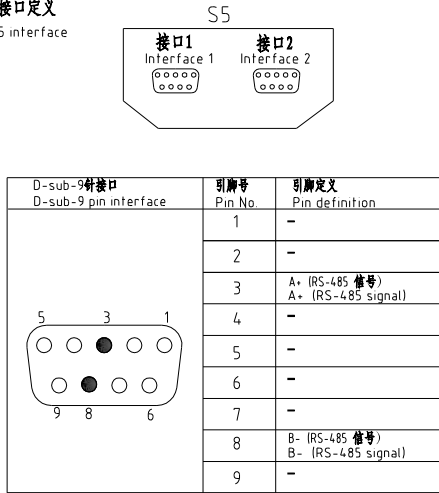
机型版本 Ver.F

D						制图	版号	J	标题	SD-120H	图号	SD-120H-CE-400V-J-2	比例	第 2 张
						设计	核准		控制电路图				标准	CE
						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	20240322					机器频率	50Hz

1 2 3 4 5 6 7 8



信易RS-485接口定义
Shini RS-485 interface definition



注: 1. 通讯接口: RS-485 (两线式)
2. 通讯协议: Modbus-RTU
3. 机器配备D-sub9号接头, 接口1和接口2内寄并联, 功能相同, 不分主次;

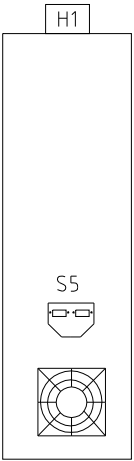
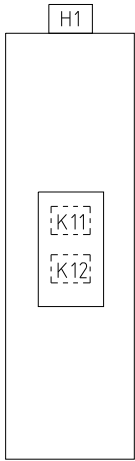
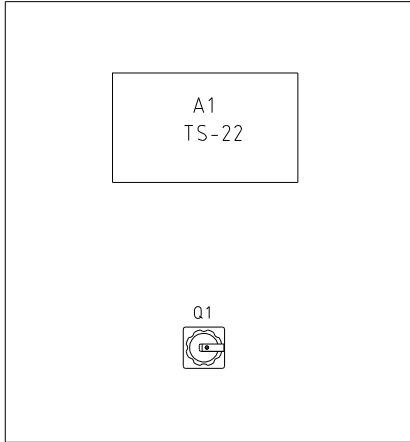
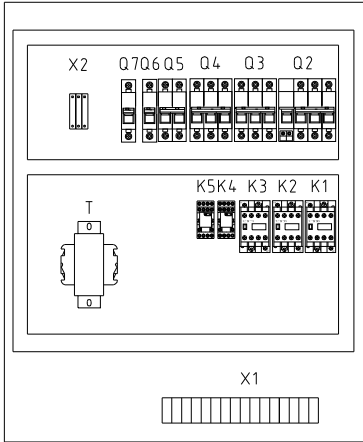
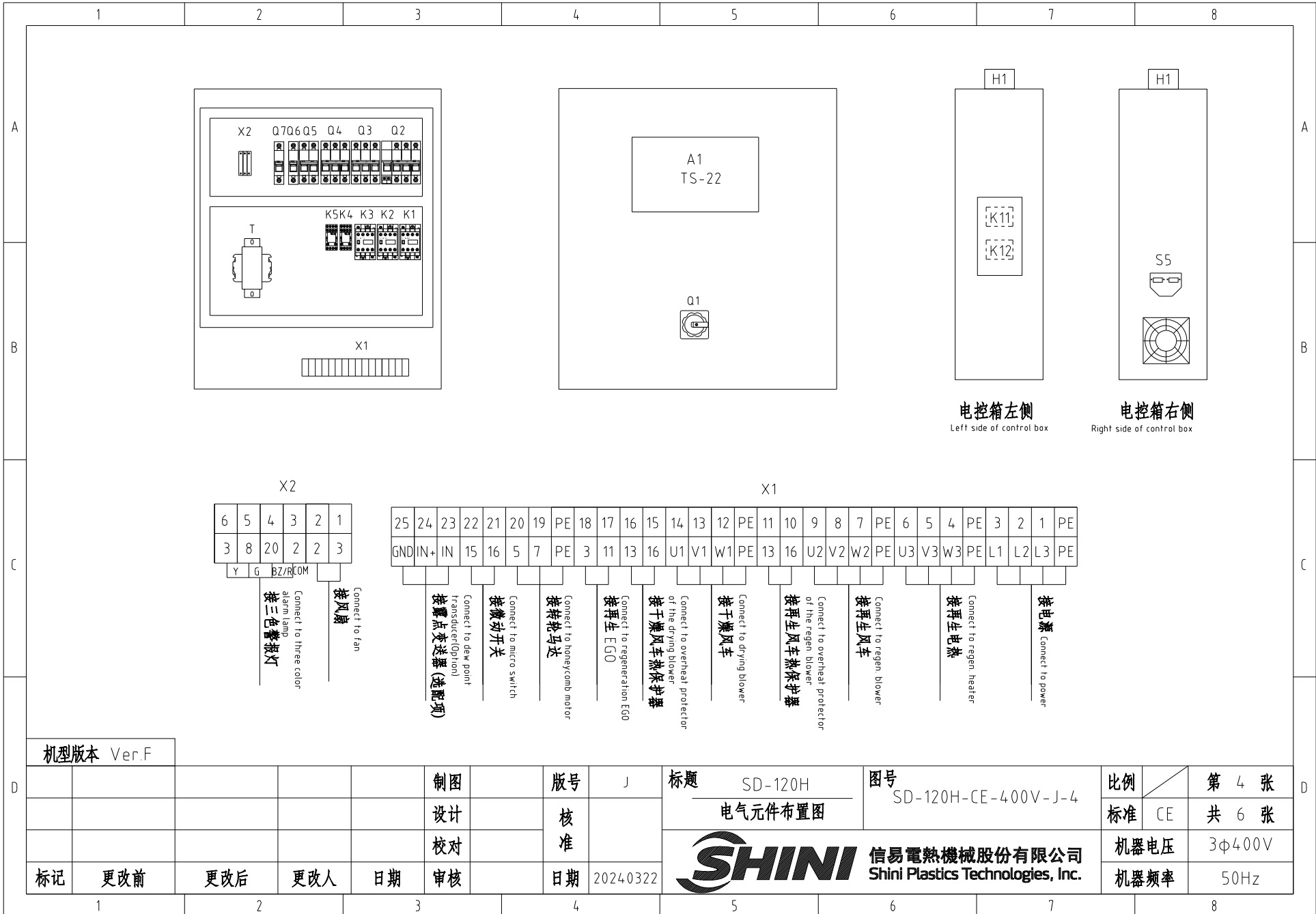
Note:
1. Comm. interface: RS-485 (two wire)
2. Comm. protocol: Modbus-RTU
3. The machine is equipped with D-sub9 female connector, interface 1 and interface 2 are connected in parallel and have the same function, which is regardless of primary and secondary.

机型版本 Ver.F

制图	版号	J	标题	SD-120H	图号	SD-120H-CE-400V-J-3	比例	第 3 张	
设计	核		通讯接线图				标准	CE	
校对	准						机器电压	3φ400V	
标记	更改前	更改后	更改人	日期	审核	日期	20240322	机器频率	50Hz

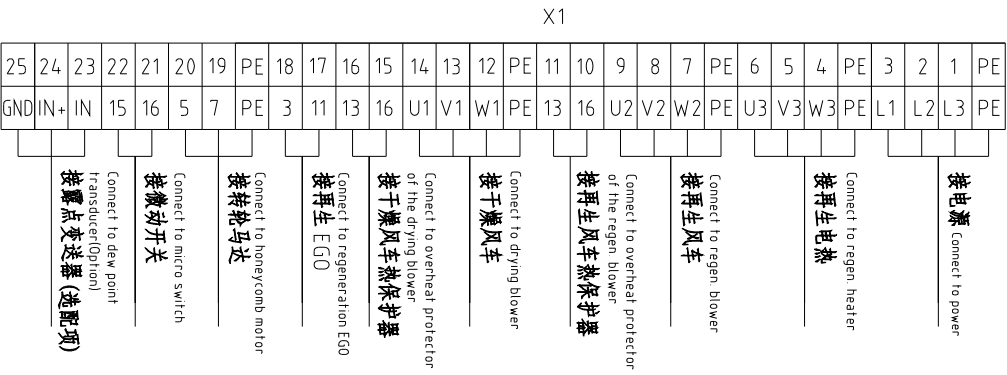
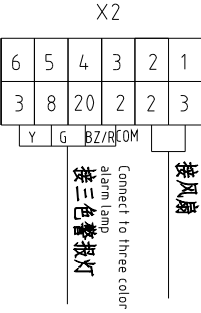


信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.



电控箱左侧
Left side of control box

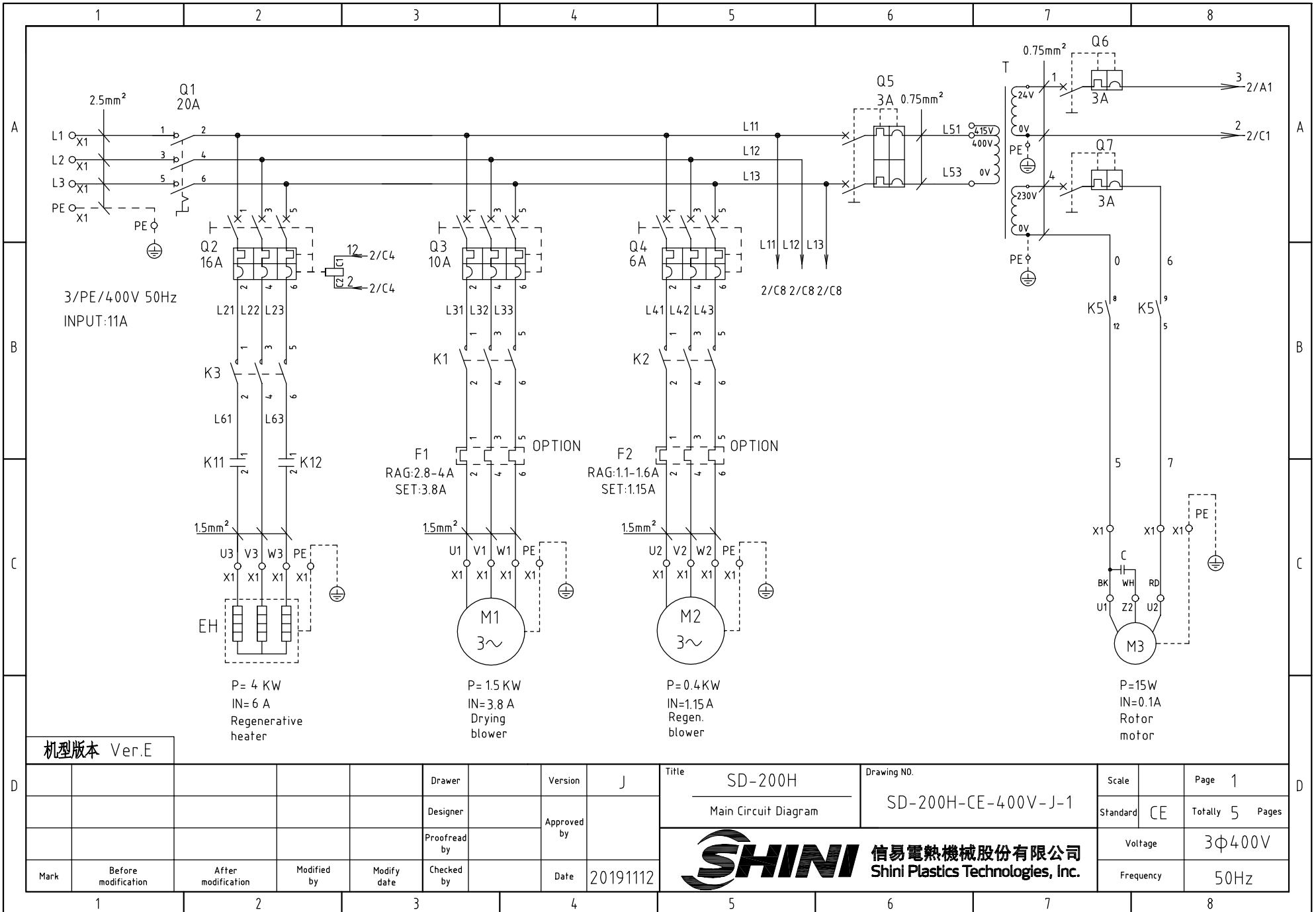
电控箱右侧
Right side of control box



机型版本 Ver.F

标记	更改前	更改后	更改人	日期	制图	版号	J	标题	SD-120H	图号	SD-120H-CE-400V-J-4	比例	第 4 张
					设计	核准		电气元件布置图		标准	CE	共 6 张	
					校对			信易电热机械股份有限公司 Shini Plastics Technologies, Inc.	机器电压	3φ400V			
					审核	日期	20240322		机器频率	50Hz			

1		2		3		4		5		6		7		8		
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark		
A	1	Q1	主电源开关 /Main power switch		EATON		T0-2-1/EA/SVB/20A		20A		PCS	1	YE10021160000			
	2	Q2	断路器 /Circuit breakers		TECO		BM-63C		16A		PCS	1	YE40301603000			
	3		励磁脱扣器 /Excitation release		YIJIN		MX		24 VAC		PCS	1	YE40024000000			
	4	Q3 Q4	断路器 /Circuit breakers		TECO		BM-63C		6A		PCS	2	YE40300603000			
	5	Q5	断路器 /Circuit breakers		TECO		BM-63C		3A		PCS	1	YE40200203000			
	6	Q6 Q7	断路器 /Circuit breakers		TECO		BM-63C		3A		PCS	2	YE40100203000			
	7	K1 K2 K3	接触器 /Contactors		SIEMENS		3RT6015-1AB01-24 VAC		24 VAC 50/60Hz		PCS	3	YE00601502500			
B	8	K4 K5	中间继电器/Middle Relay		Honeywell		GR-2C配座 base PGR-2C-E		24 V AC		PCS	2	YE03022400300			
	9	K11 K12	固态继电器/Solid state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		PCS	2	YE03404003200			
	10	T	变压器 /Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		PCS	1	YE70040007300			
	11	A1	微电脑板 /PCB		YUYUN		TS-22(组合件 Assembly) SSR输出 output		24 V 50/60Hz		PCS	1	YE80222408200			
	12	S3	露点变送器 /Dew-point transducer		VAISALA		DMT14-1		POWER-24 VDC 4-20mA		PCS	1	YE90014100100		(1) (2)	
	13	S5	通信板(RS-485/RS-422) Communication interface board RS-485 (double D-sub-9pin connector)		YUYUN		----		PCS		PCS	1	YE90048501200			
	14		外壳RS485(SAL-700G-A-19)0版 Shell RS485(SAL-700G-A-19)0		BINCHENG		----		PCS		PCS	1	YR40048500000			
C	15	X1 X2	端子排 /Terminal board		Honeywell		SK4		4mm ²		PCS	16	YE60000403200			
	16		端子排 /Terminal board		Honeywell		GK5PE		4mm ² PE		PCS	4	YE60000403500			
	17		端子排 /Terminal board		Honeywell		SK2.5		2.5mm ²		PCS	15	YE60002503200			
	18		端子排 /Terminal board		Honeywell		GK2.5PE		2.5mm ² PE		PCS	1	YE60002503400			
	19		终端固定件E/GK系列 Terminal fittings E/GK series		Honeywell		E		GK		PCS	6	YE60000003900			
	20	H1	三色报警灯(红黄绿三色) 3-color alarm lamp (Red, green, yellow lights + housing)		SHINI		优先级 Priority		24 V 50/60Hz		PCS	1	BL90002401520		(1)	
	--	S1	热电偶 /Thermocouple		SHINI		-----		K			1	-----		(1)	
	--	S2	温度保护器 /Overheat protector		EGO		ZA300		250V 300°C			1	-----		(1)	
	--	S4	微动开关 /Micro switch		-----		-----		-----			1	-----		(1)	
	--	FM	风扇 /Fan		SUNON		12×12CM		24 VAC 50/60Hz			1	-----		(1)	
--	M1	风机 /Blower		SHINI		-----		0.75kW 400V			1	-----		(1)		
机型版本 Ver.F		注：(1)表示非电控箱安装 (2)表示选配露点变送器 Notes: (1)Means it 's not the material inside the control box. (2) Optional dew point transducer.														
D					制图		版号 J		标题 SD-120H		图号 SD-120H-CE-400V-J-5		比例		第 5 张	
					设计		核 准		电气元件明细表一				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				日期		20240322		机器频率	
1		2		3		4		5		6		7		8		



机型版本 Ver.E

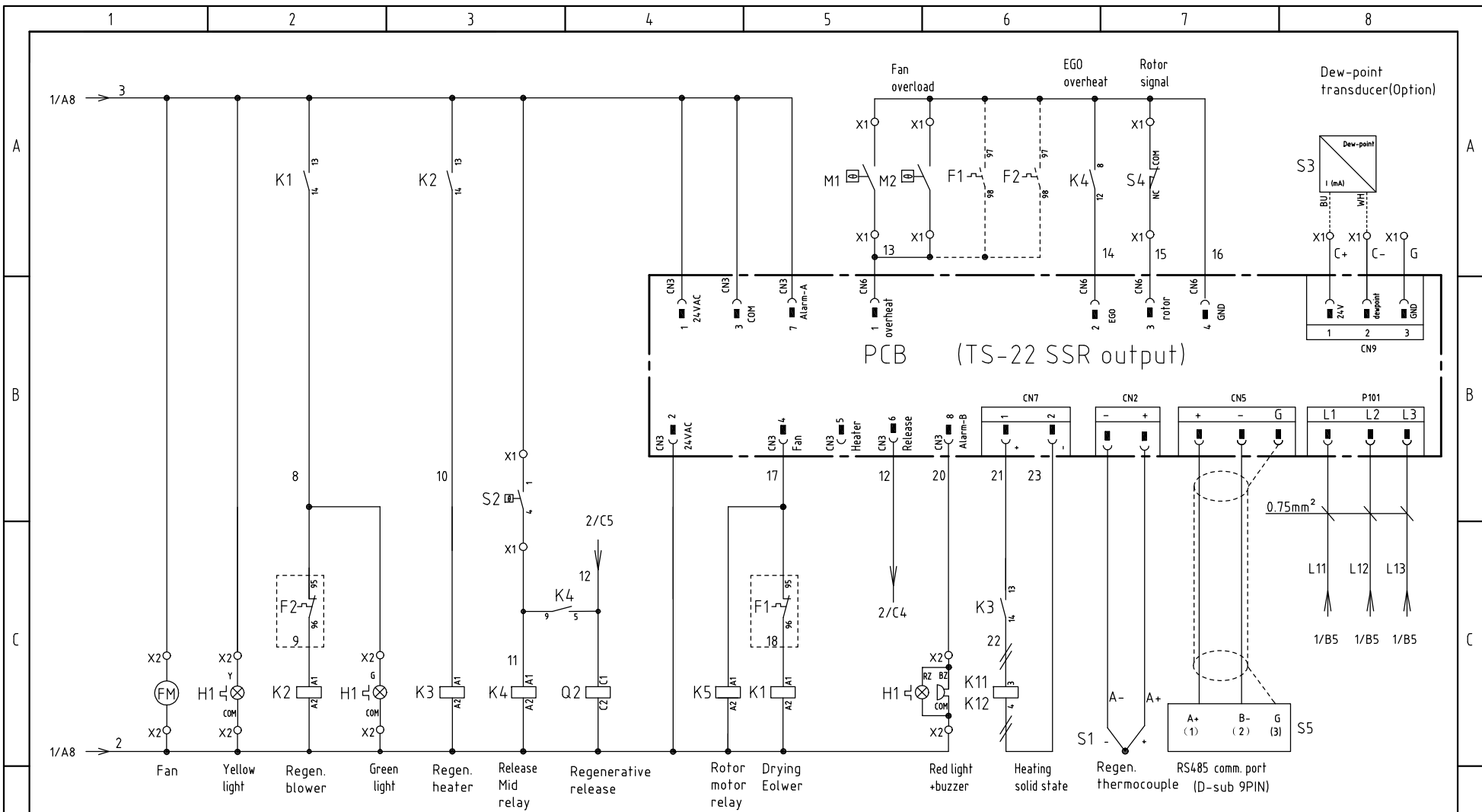
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112

Title SD-200H
Main Circuit Diagram

Drawing NO. SD-200H-CE-400V-J-1


Scale	Page 1
Standard	CE
Totally 5 Pages	
Voltage	3Φ400V
Frequency	50Hz

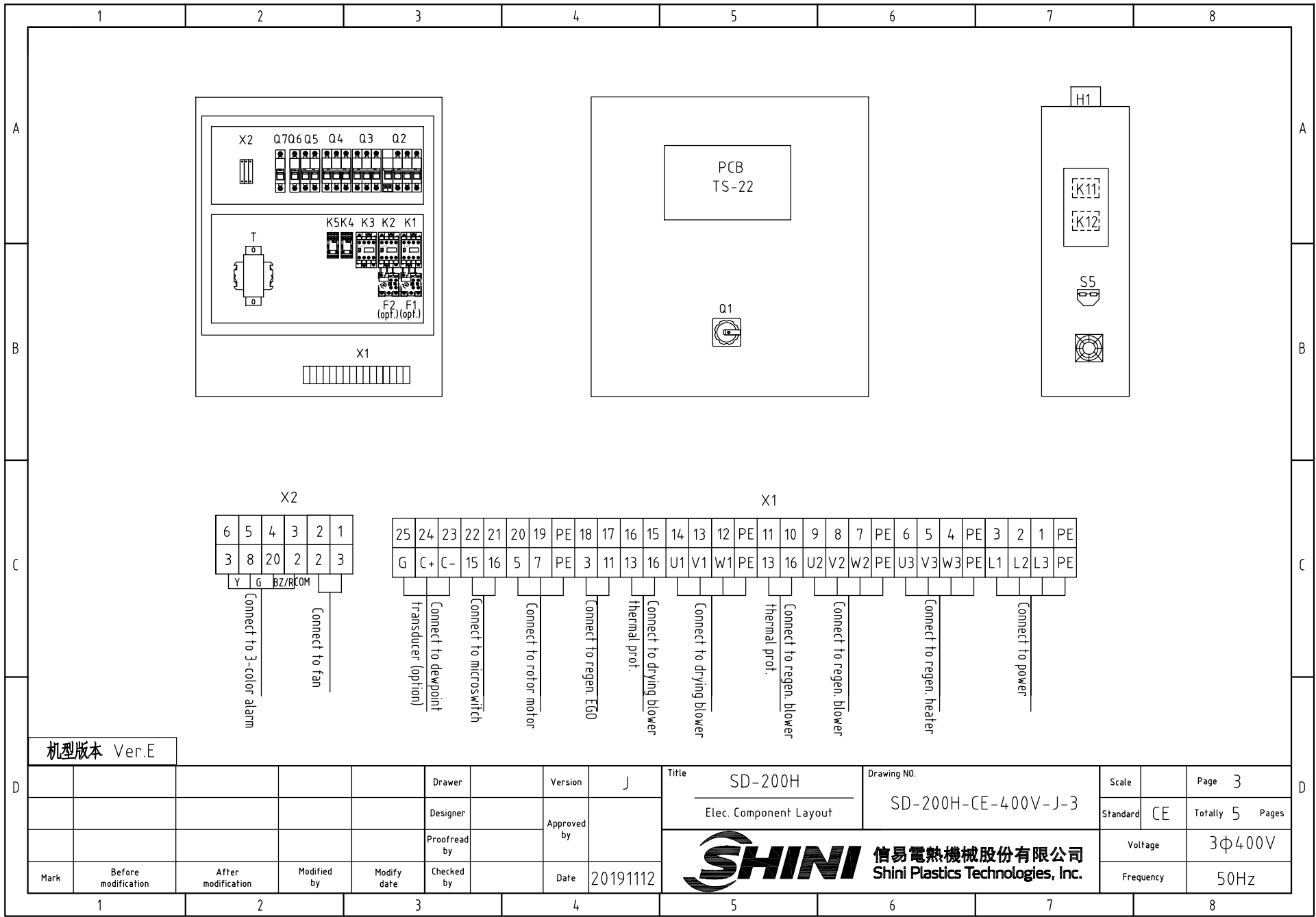
SHINI 信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.




机型版本 Ver.E

Tech. requirement: CN6/CN7/CN9 uses DC voltage circuit which must be blue.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Title SD-200H Control Circuit Diagram	Drawing NO. SD-200H-CE-400V-J-2	Scale	Page	2
	Standard	CE	Totally	5	Pages								
	Voltage	3Φ400V											
	Frequency	50Hz											

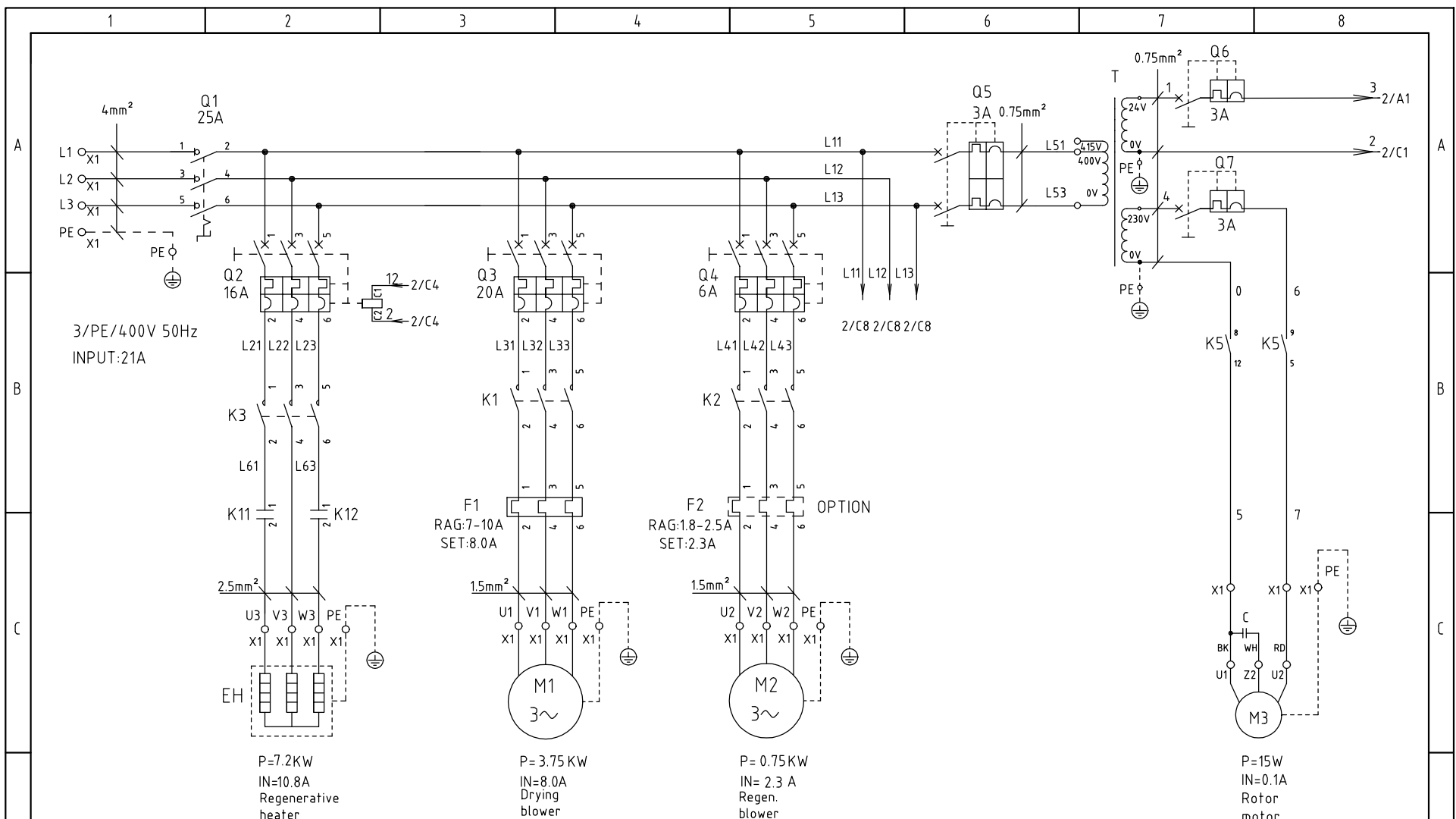


机型版本 Ver.E

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Title SD-200H Elec. Component Layout Drawing NO. SD-200H-CE-400V-J-3	Scale	Page 3
					Designer	Version J	Standard CE			Totally 5 Pages	
					Proofread by	Approved by	Voltage			3φ400V	
					Drawn	Date	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		1	YE10021160000					
	2	Q2	Circuit breaker		TECO		BM-63C		16A		1	YE40301603000					
	3		Excitation release		YIJIN		MX		24VAC		1	YE40024000000					
	4	Q3	Circuit breaker		TECO		BM-63C		10A		1	YE40301003000					
	5	Q4	Circuit breaker		TECO		BM-63C		6A		1	YE40300603000					
	6	Q5	Circuit breaker		TECO		BM-63C		3A		1	YE40200203000					
	7	Q6 Q7	Circuit breaker		TECO		BM-63C		3A		2	YE40100203000					
B	8	K1 K2 K3	Contactors		SIEMENS		3RT6015-1AB01-24 VAC		24 VAC 50/60Hz		3	YE00601502500					
	9	K4 K5	Middle relay		Honeywell		GR-2C base PGR-2C-E		24V AC		2	YE03022400300					
	10	K11 K12	Solid state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		2	YE03404003200					
	11	F1	Thermal overheat protector		SIEMENS		3RU6116-1EB0		2.8-4A		1	YE01160280000		(3)			
	12	F2	Thermal overheat protector		SIEMENS		3RU6116-1AB0		1.1-1.6A		1	YE01160110000		(3)			
	13	T	Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		1	YE70040007300					
	14	PCB	Microcomputer board/PCB		YUYUN		TS-22(assembly) SSR output		24V 50/60Hz		1	YE80222408200					
C	15	S1	Thermocouple		SHINI		-----		K		1	-----		(1)			
	16	S2	Temp. protector		EGO		ZA300		250V 300°C		1	-----		(1)			
	17	S3	Dew-point transducer		SUTO		217-0EM		POWER-24VDC 4-20mA		1	YE90021700100		(1) (2)			
	18	S4	Microswitch /limit switch		-----		-----		-----		1	-----		(1)			
	19	S5	Comm. interface plateRS-485 (Dsub-9pin connector)		YUYUN		----		PCS		1	YE90048501200					
	20		Shell RS-485(SAL-700G-A-19)ver.0		BINCHENG		----		PCS		1	YR40048500000					
	21	FM	Fan		SUNON		12×12CM		24VAC 50/60Hz		1	-----		(1)			
D	22	X1	Terminal board		Honeywell		SK4		4mm ²		16	YE60000403200					
	23		Terminal board		Honeywell		GK5PE		4mm ² PE		4	YE60000403500					
	24		Terminal board		Honeywell		SK2.5		2.5mm ²		9	YE60002503200					
	25		Terminal board		Honeywell		GK2.5PE		2.5mm ² PE		1	YE60002503400					
机型版本 Ver.E		Notes: (1) Items not in the control box; (2) Optional dew-point transducer;(3)Drying blower and regen. blower thermal relay;															
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112	Drawer	Version	J	Title	SD-200H	Drawing NO.	SD-200H-CE-400V-J-4	Scale	Page	4
								Designer	Approved by		Elec. Parts List 1		Standard	CE	Totally	5	Pages
								Proofread by				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			

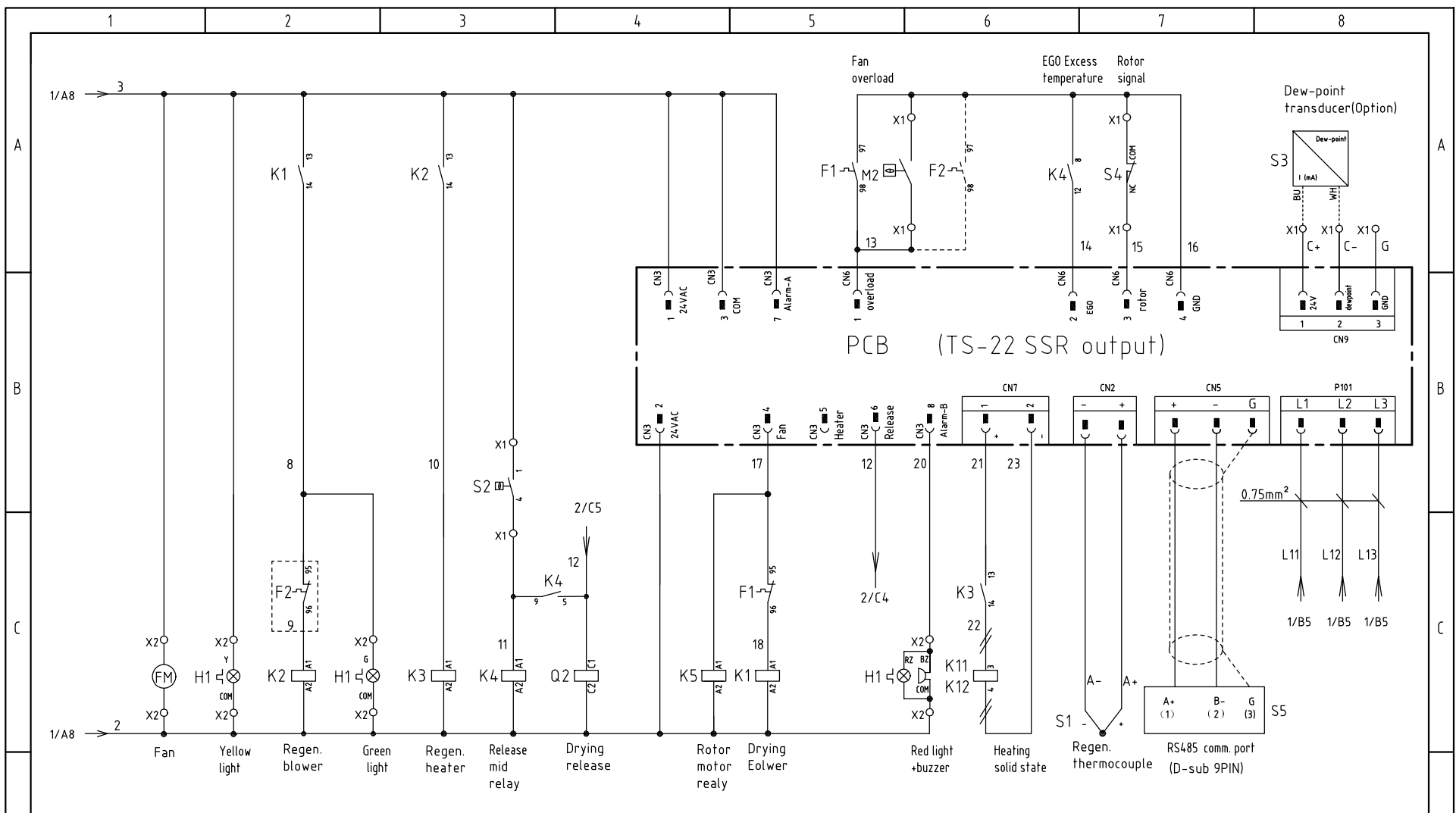
1	2	3	4	5	6	7	8					
N0.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark				
26	X2	Terminal board	Honeywell	SK2.5	2.5mm ²	6	YE60002503200					
27		Terminal fittings E/GK series	Honeywell	E	GK	8	YE60000003900					
28	M1	Blower	SHINI	-----	1.5kW 400V	1	-----	(1)				
29	M2	Blower	SHINI	-----	0.4kW 400V	1	-----	(1)				
30	M3	Rotor motor	----	-----	6W 230V 50/60Hz	1	-----	(1)				
31	EH	Heater	SHINI	-----	4kW 400V	1	-----	(1)				
32	H1	Three-color alarm light/Alarm	SHINI	red.yel.blue+buzzer	PCS	1	BL90002401520	(1)				
机型版本 Ver.E		Notes: (1) Items not in the control box; (2) Optional dew-point transducer;(3)Drying blower and regen. blower thermal relay;										
D				Drawer	Version	J	Title	SD-200H	Drawing NO.	Scale	Page	5
				Designer	Approved by		Elec. Parts List 2	SD-200H-CE-400V-J-5	Standard	CE	Totally	5 Pages
				Proofread by	Date	20191112	 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	H	Title	SD-400H	Drawing NO.	SD-400H-CE-400V-H-1	Scale	Page	1
					Designer	Approved by		Main Circuit Diagram		Standard	CE	Totally	5	Pages
					Proofread by	Date	20191112	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				

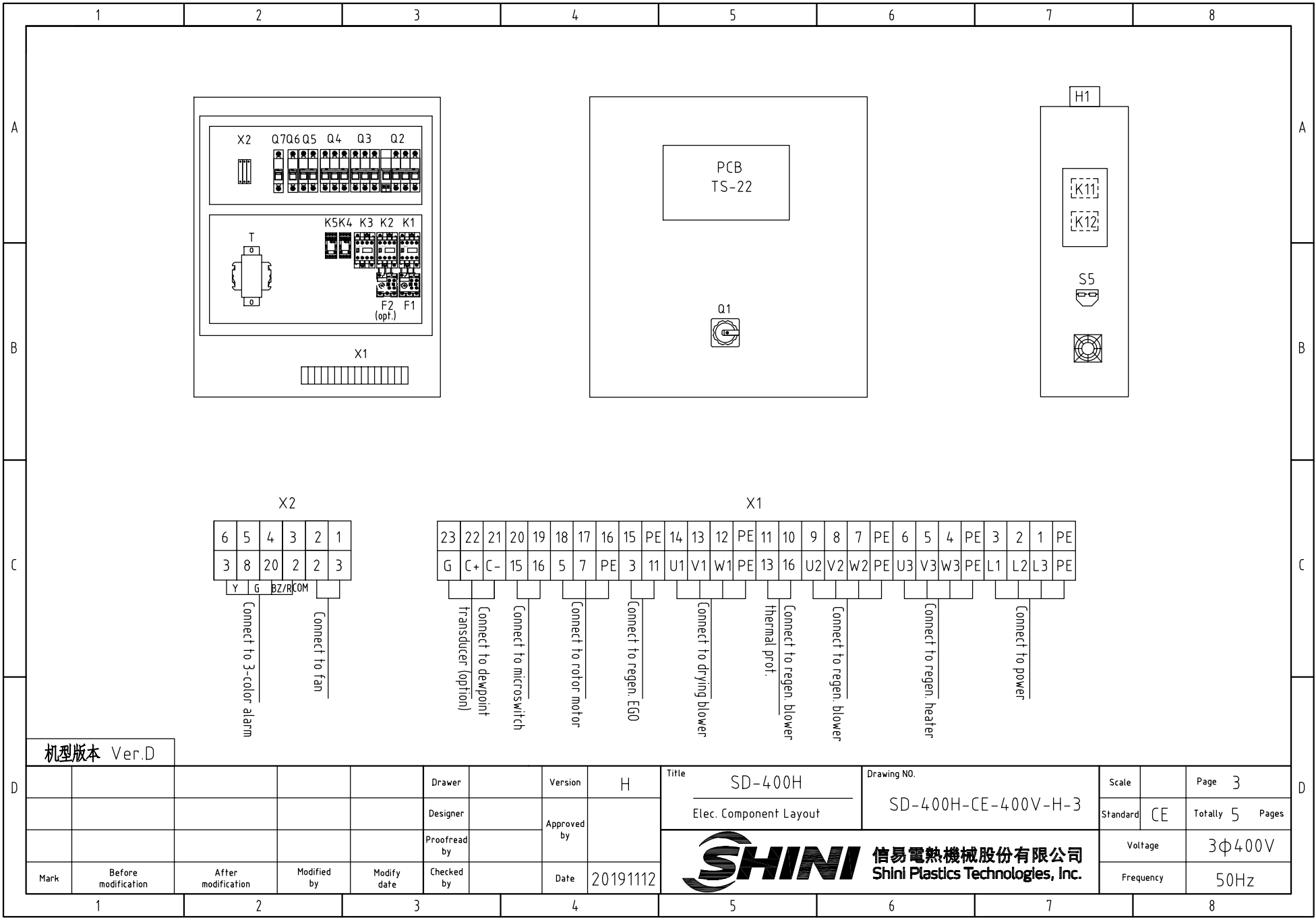
1 2 3 4 5 6 7 8



机型版本 Ver.D

Tech. requirement: CN6/CN7/CN9 uses DC voltage circuit which must be blue.

D				Drawer	Version	H	Title	SD-400H	Drawing NO.	Scale	Page	2
				Designer	Approved by		Control Circuit Diagram	SD-400H-CE-400V-H-2	Standard	CE	Totally	5 Pages
				Proofread by					Voltage	3Φ400V		
	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Frequency	50Hz
	1	2	3	4	5	6	7	8				



X2

6	5	4	3	2	1
3	8	20	2	2	3
Y	G	BZ/R/COM			

Connect to 3-color alarm
Connect to fan

X1

23	22	21	20	19	18	17	16	15	PE	14	13	12	PE	11	10	9	8	7	PE	6	5	4	PE	3	2	1	PE
G	C+	C-	15	16	5	7	PE	3	11	U1	V1	W1	PE	13	16	U2	V2	W2	PE	U3	V3	W3	PE	L1	L2	L3	PE

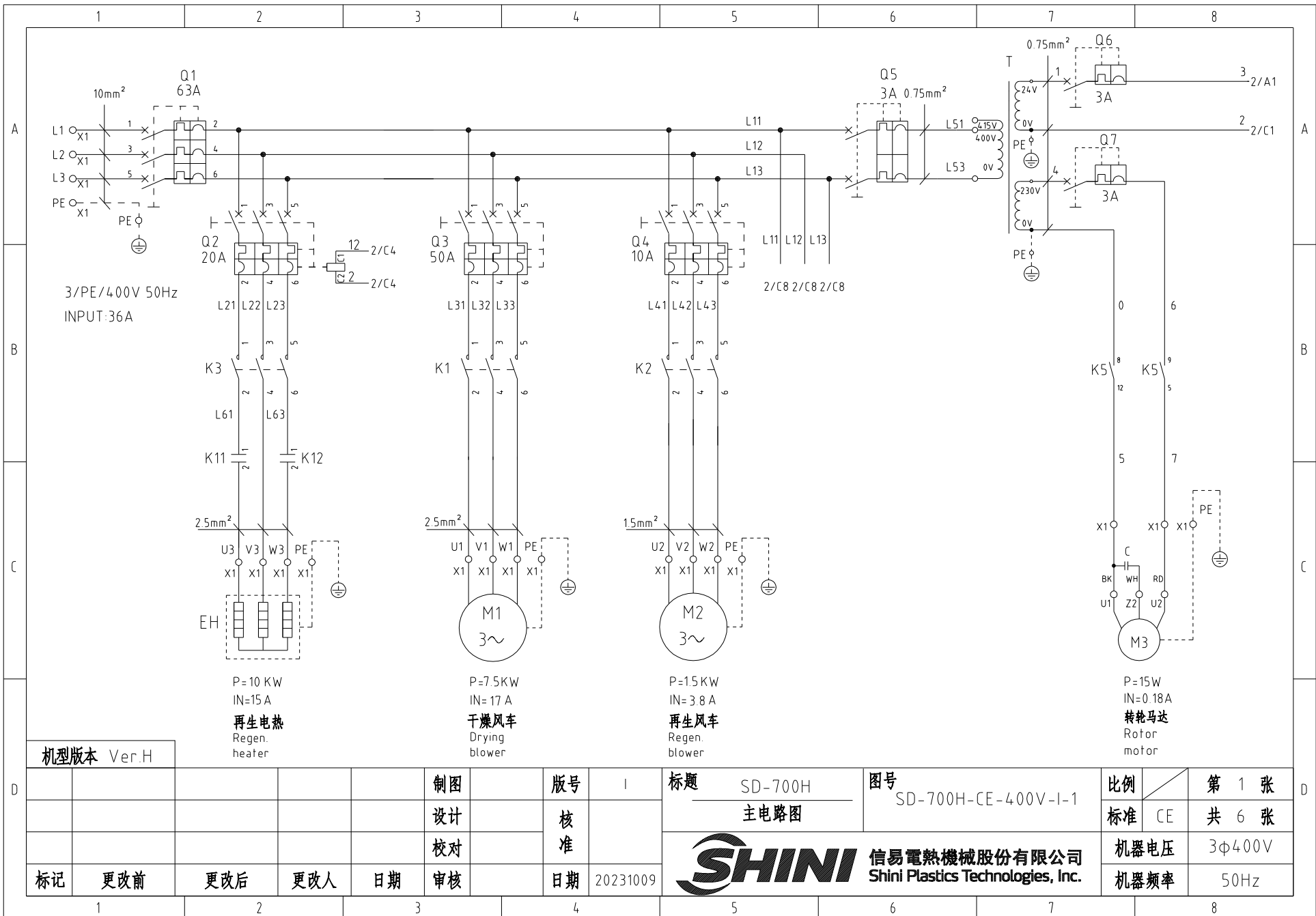
Connect to dewpoint transducer (option)
Connect to microswitch
Connect to rotor motor
Connect to regen. EGO
Connect to drying blower
Connect to regen. blower thermal prot.
Connect to regen. blower
Connect to regen. blower
Connect to regen. heater
Connect to power

机型版本 Ver.D

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112	SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	Title	SD-400H	Drawing NO.	SD-400H-CE-400V-H-3	Scale		Page	3
					Designer	Approved by			Elec. Component Layout		Standard	CE	Totally	5	Pages	
					Proofread by								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		P1-25/EA/SVB/25A		25A		1	YE10125250000									
2	Q2	Circuit breakers		TECO		BM-63C		16A		1	YE40301603000									
3		Excitation release		YIJIN		MX		24VAC		1	YE40024000000									
4	Q3	Circuit breaker		TECO		BM-63C		20A		1	YE40302003000									
5	Q4	Circuit breaker		TECO		BM-63C		6A		1	YE40300603000									
6	Q5	Circuit breakers		TECO		BM-63C		3A		1	YE40200203000									
7	Q6 Q7	Circuit breakers		TECO		BM-63C		3A		2	YE40100203000									
8	K1	Contactors		SIEMENS		3RT6017-1AB01-24VAC		24VAC 50/60Hz		1	YE00601702500									
9	K2 K3	Contactors		SIEMENS		3RT6015-1AB01-24VAC		24VAC 50/60Hz		2	YE00601502500									
10	K4 K5	Middle relay		Honeywell		GR-2C base PGR-2C-E		24V AC		2	YE03022400300									
11	K11 K12	Middle relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		2	YE03404003200									
12	F1	Thermal overload relay		SIEMENS		3RU6116-1JB0		7-10A		1	YE01167100000									
13	F2	Thermal overload relay		SIEMENS		3RU6116-1CB0		1.8-2.5A		1	YE01160180000		(3)							
14	T	Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		120VA 350MA		1	YE70040007300									
15	PCB	Microcomputer board		YUYUN		TS-22(assembly) SSRoutput		24V 50/60Hz		1	YE80222408200									
16	S1	Thermocouple		SHINI		-----		K		1	-----		(1)							
17	S2	Thermal overheat protector		EGO		ZA300		250V 300°C		1	-----		(1)							
18	S3	Dew-point transducer		SUTO		217-0EM		POWER-24VDC 4-20mA		1	YE90021700100		(1) (2)							
19	S4	Microswitch /limit switch		-----		-----		-----		1	-----		(1)							
20	S5	Comm. interface plateRS-485 (Dsub-9pin connector)		YUYUN		----		PCS		1	YE90048501200									
21		Shell RS-485(SAL-700G-A-19)ver.0		BINCHENG		----		PCS		1	YR40048500000									
22	FM	Fan		SUNON		12×12CM		24VAC 50/60Hz		1	-----		(1)							
23	X1	Terminal board		Honeywell		SK4		4mm ²		14	YE60000403200									
24		Terminal board		Honeywell		GK5PE		4mm ² PE		4	YE60000403500									
25		Terminal board		Honeywell		SK2.5		2.5mm ²		9	YE60002503200									
机型版本 Ver.D		Notes: (1) Items not in the control box; (2) Optional dew-point transducer;(3)Drying blower and regen. blower thermal relay;																		
D					Drawer		Version		H		Title		SD-400H		Drawing NO.		Scale		Page 4	
					Designer		Approved by				Elec. Parts List 1		SD-400H-CE-400V-H-4		Standard		CE		Totally 5 Pages	
					Proofread by		Date		20191112		 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						

1		2		3		4		5		6		7		8	
N0.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
		Terminal board		Honeywell		GK2.5PE		2.5mm ² PE		1	YE60002503400				
	X2	Terminal board		Honeywell		SK2.5		2.5mm ²		6	YE60002503200				
		Terminal fittings E/GK series		Honeywell		E		GK		8	YE60000003900				
A	M1	Blower		SHINI		-----		3.75kW 400V		1	-----		(1)		
	M2	Blower		SHINI		-----		0.75kW 400V		1	-----		(1)		
	M3	Rotor motor		----		-----		15W 230V 50/60Hz		1	-----		(1)		
	EH	Heater		SHINI		-----		7.2kW 400V		1	-----		(1)		
	H1	Three-color alarm light/Alarm		SHINI		red.yel.blue+buzzer		PCS		1	BL90002401520		(1)		
B														B	
机型版本 Ver.D		Notes: (1) Items not in the control box; (2) Optional dew-point transducer;(3)Drying blower and regen. blower thermal relay;													
D					Drawer		Version	H	Title SD-400H		Drawing NO. SD-400H-CE-400V-H-5		Scale	Page	5
					Designer		Approved by		Elec. Parts List 2				Standard	CE	Totally 5 Pages
					Proofread by		Date	20191112	 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.H

P=10 KW
IN=15 A
再生电热
Regen.
heater

P=7.5KW
IN=17 A
干燥风车
Drying
blower

P=15KW
IN=38 A
再生风车
Regen.
blower

P=15W
IN=0.18A
转轮马达
Rotor
motor

				制图	版号	1	标题	SD-700H	图号	SD-700H-CE-400V-I-1	比例	第 1 张	
				设计	核准		主电路图				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	日期	审核	日期		20231009	机器频率	50Hz			

1

2

3

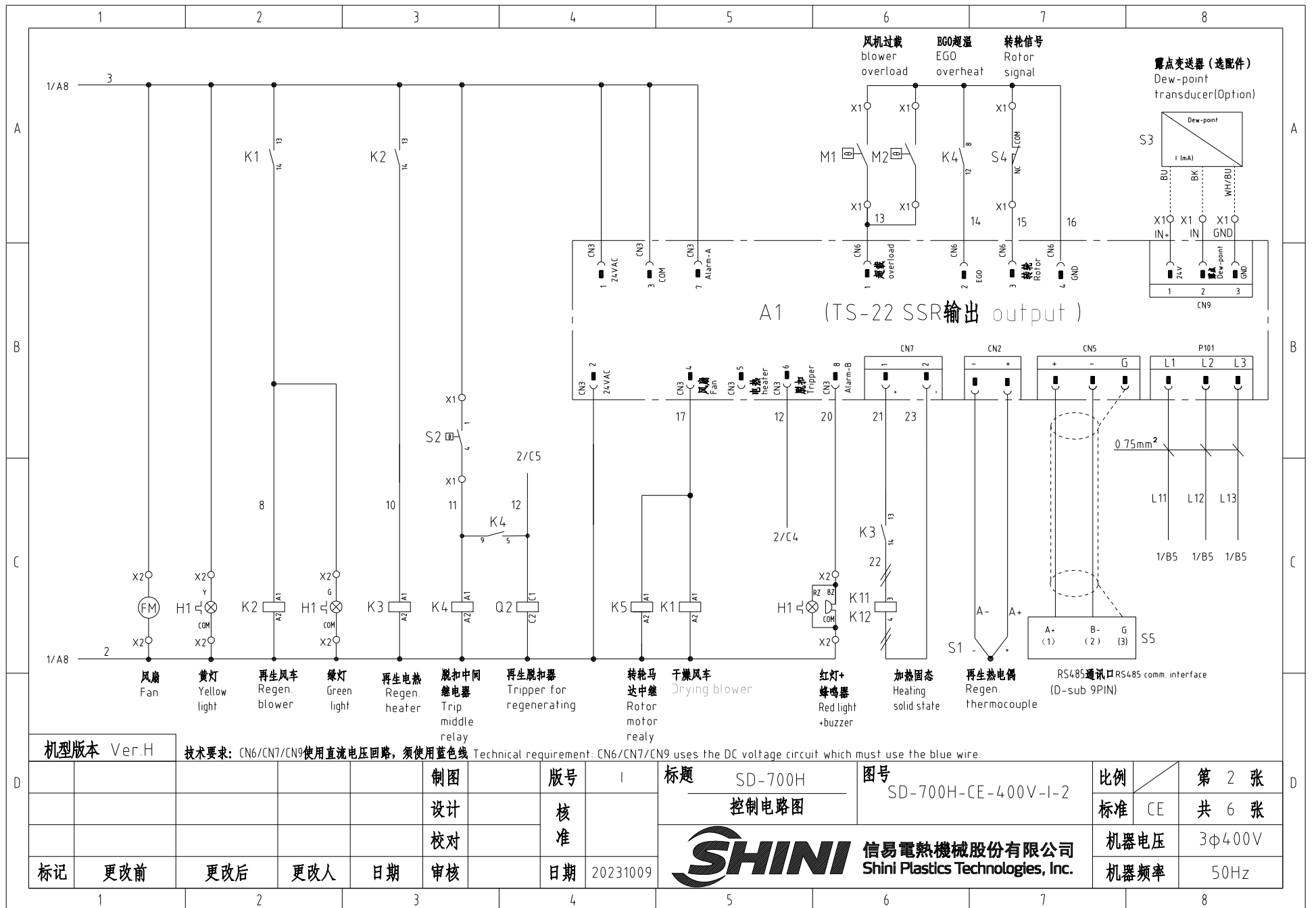
4

5

6

7

8



机型版本 Ver.H

技术要求: CN6/CN7/CN9使用直流电压回路, 须使用蓝色线 Technical requirement: CN6/CN7/CN9 uses the DC voltage circuit which must use the blue wire.

制图	版号	1
设计	核准	
校对	核准	
标记	更改前	更改后
更改人	日期	日期
审核	日期	20231009

标题 SD-700H
控制电路图

图号 SD-700H-CE-400V-I-2

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

比例	第 2 张
标准	CE 共 6 张
机器电压	3φ400V
机器频率	50Hz

A

A

B

B

C

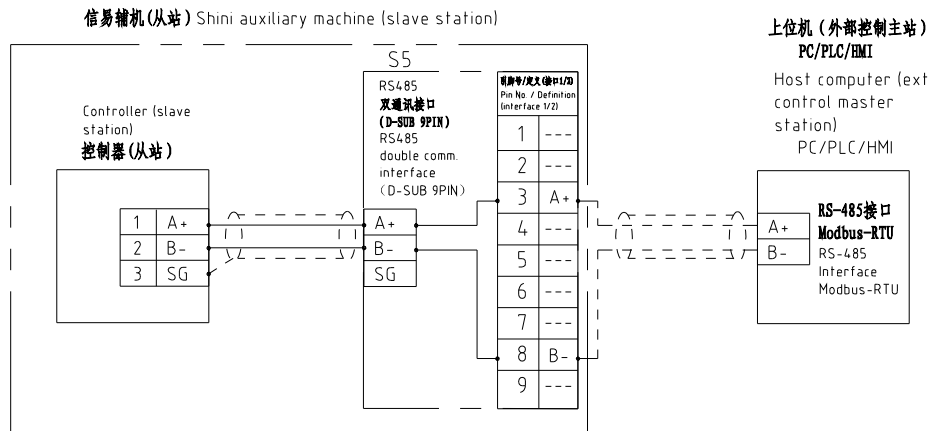
C

D

D

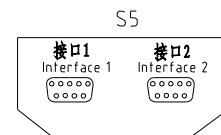
SD RS-485通讯接线示意图

Shini auxiliary machine RS-485 comm. wiring diagram



信易RS-485接口定义

Shini RS-485 interface definition



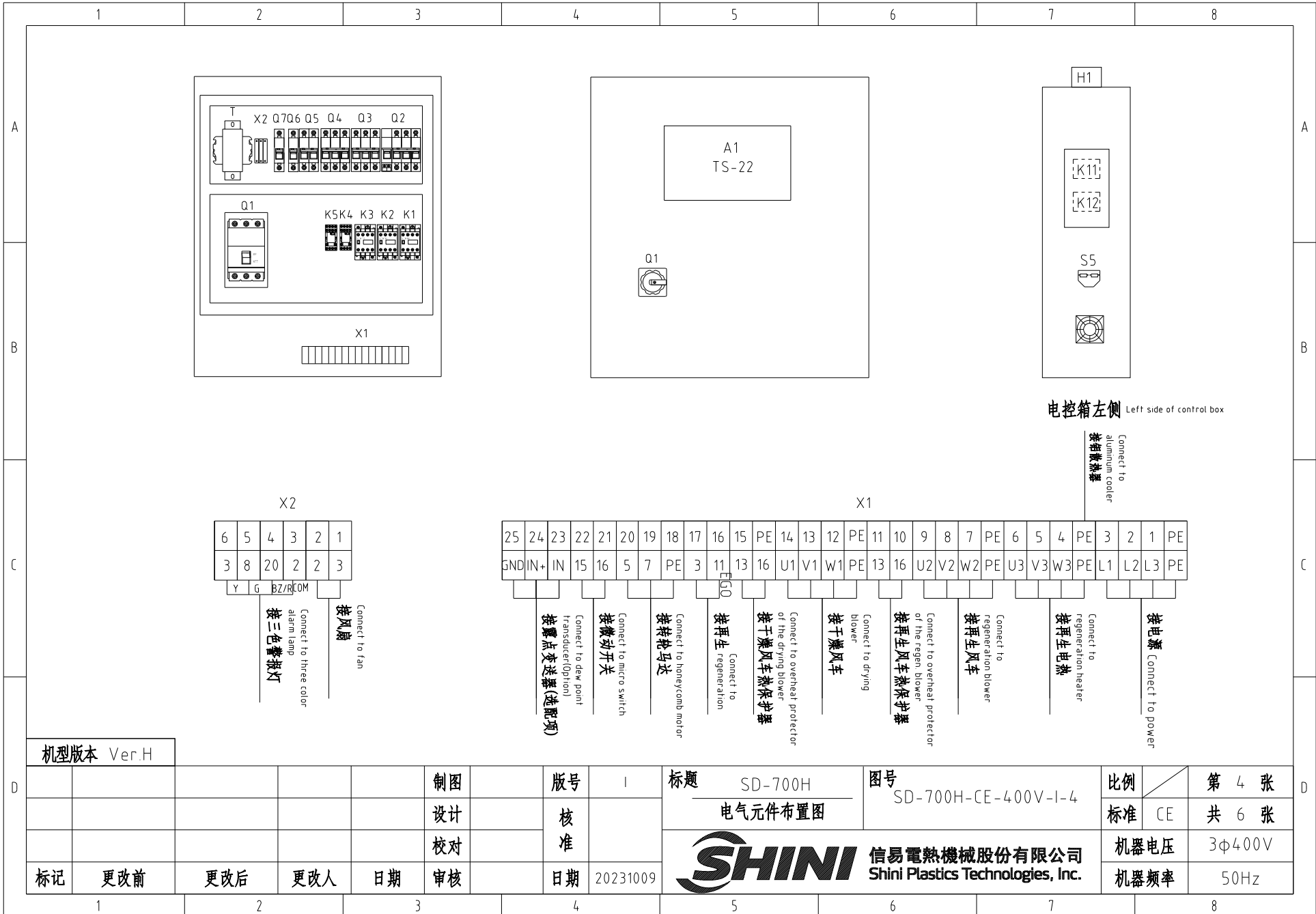
D-sub-9针接口 D-sub-9 pin interface	引脚号 Pin No.	引脚定义 Pin definition
	1	-
	2	-
	3	A+ (RS-485 信号) A+ (RS-485 signal)
	4	-
	5	-
	6	-
	7	-
	8	B- (RS-485 信号) B- (RS-485 signal)
	9	-

- 注: 1. 通讯接口: RS-485 (两线式)
 2. 通讯协议: Modbus-RTU
 3. 机器配备D-sub9母接头, 客户需自备D-sub9公接头;
 4. 接口1和接口2内部并联, 功能相同, 不分主次

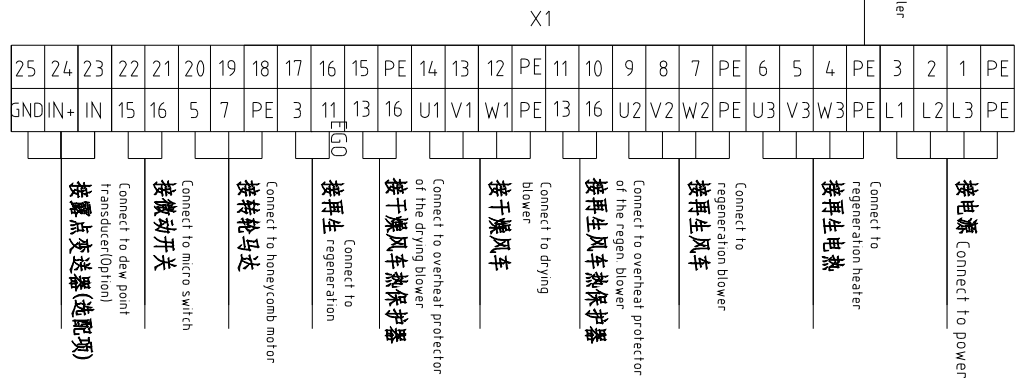
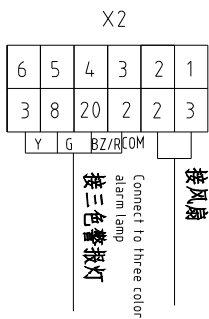
Note: 1. Comm. interface: RS-485 (two wire)
 2. Comm. protocol: Modbus-RTU
 3. The machine is equipped with D-sub9 female connector, and the customer needs to provide D-sub9 male connector.
 4. Interface 1 and interface 2 are connected in parallel and have the same function, which is regardless of primary and secondary.

机型版本 Ver.H

						制图	版号	1	标题	SD-700H	图号	SD-700H-CE-400V-I-3	比例	第 3 张
						设计	核 准		通讯接口接线图	SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	标准	CE	共 6 张	
						校对					机器电压	3φ400V		
标记	更改前	更改后	更改人	日期	审核	日期	20231009				机器频率	50Hz		



电控箱左侧 Left side of control box

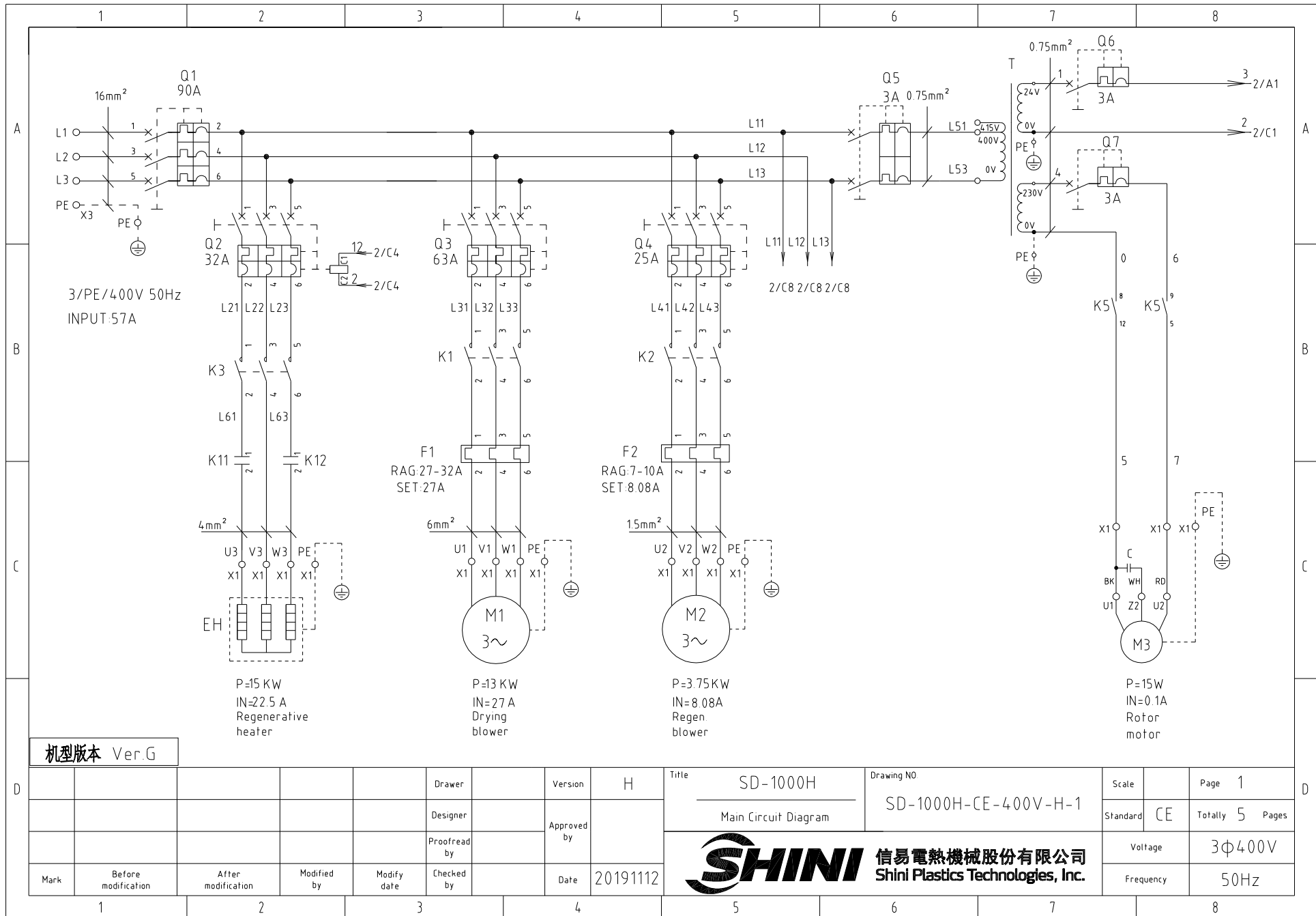


机型版本 Ver.H

					制图	版号	1	标题	SD-700H	图号	SD-700H-CE-400V-I-4	比例	第 4 张
					设计	核		电气元件布置图		标准	CE	共 6 张	
					校对	准		信易电热机械股份有限公司 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	20231009		机器频率	50Hz			

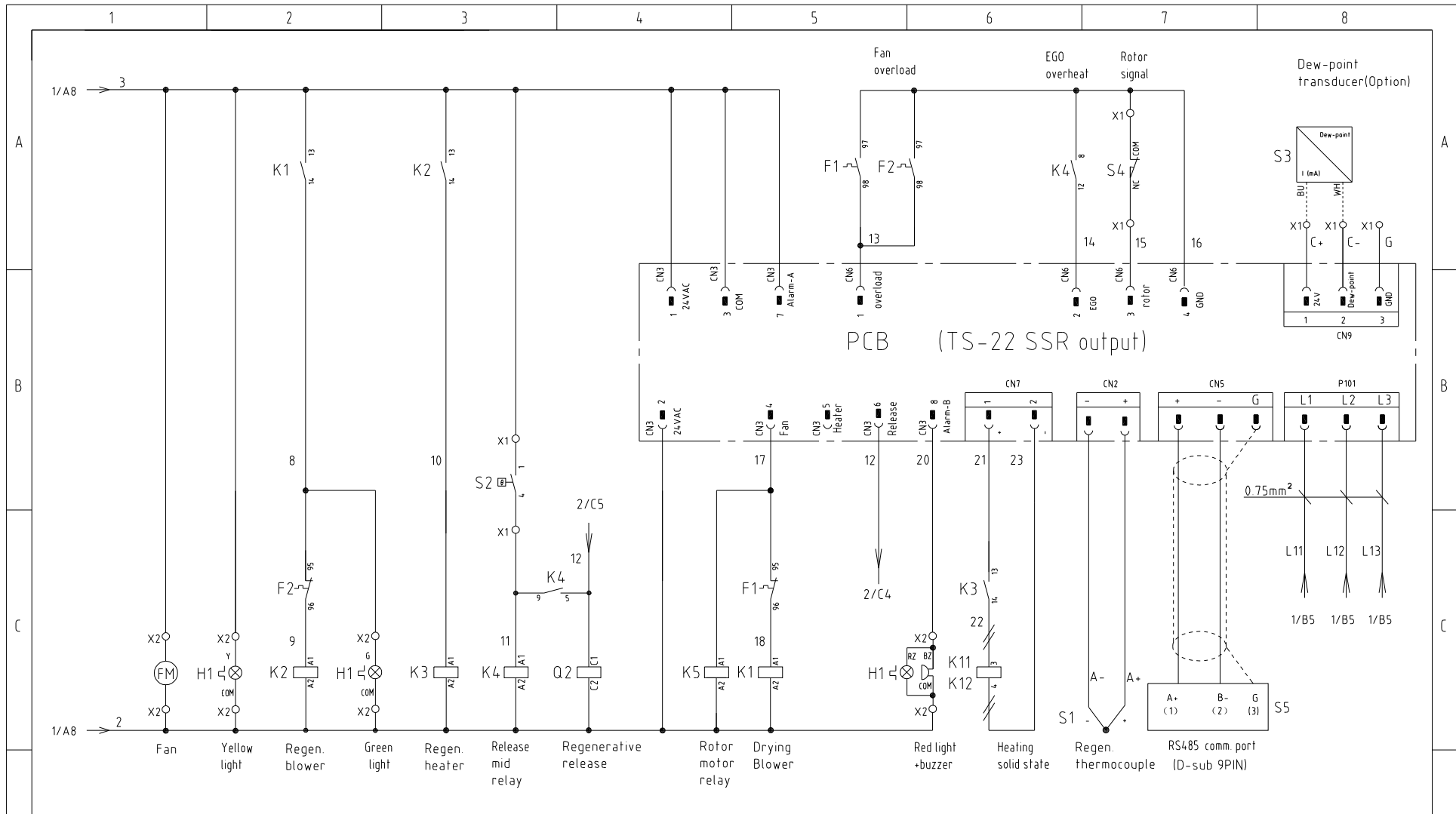
1		2		3		4		5		6		7		8		
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark		
A	1	Q1	门连锁断路器 /Break Interlock		TECO		B0100EB3063 3P 63A		63A	PCS	1	?YE40100300200				
	2		断路器外部操作把手 /External circuit breaker handle		TECO		1A-CS1-C-D1		B0100EB	PCS	1	?YE90111100100				
	3	Q2	断路器 /Circuit breaker		TECO		BM-63C		20A	PCS	1	YE40302003000				
	4		励磁脱扣器 /Excitation release		TECO		MX		24VAC	PCS	1	YE40024000000				
	5	Q3	断路器 /Circuit breakers		TECO		BM-63C		50A	PCS	1	YE40305003000				
	6	Q4	断路器 /Circuit breakers		TECO		BM-63C		10A	PCS	1	YE40301003000				
	7	Q5	断路器 /Circuit breakers		TECO		BM-63C		3A	PCS	1	YE40200203000				
B	8	Q6 Q7	断路器 /Circuit breakers		TECO		BM-63C		3A	PCS	2	YE40100203000				
	9	K1	接触器 /Contactors		SIEMENS		3RT6027-1AB01-24VAC		24VAC 50/60Hz	PCS	1	YE00602702600				
	10	K2	接触器 /Contactors		SIEMENS		3RT6015-1AB01-24VAC		24VAC 50/60Hz	PCS	1	YE00601502500				
	11	K3	接触器 /Contactors		SIEMENS		3RT6023-1AC20-24VAC		24VAC 50/60Hz	PCS	1	YE00602301100				
	12	K4 K5	中间继电器/Middle relay		Honeywell		GR-2C(底座 base PGR-2C-E		24V AC	PCS	2	YE03022400300				
	13	K11 K12	固态继电器/Solid state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC	PCS	2	YE03404003200				
	14	T	变压器 /Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		180VA 230V 350MA	PCS	1	YE70040007400				
C	15	A1	微电脑板 /PCB		YUYUN		TS-22(组合件 assembly) SSR输出 output		24V 50/60Hz	PCS	1	YE80222408200				
	16	S3	露点变送器 /Dew-point transducer		VAISALA		DMT14.1		4-20mA	PCS	1	YE90014100100		(1) (2)		
	17	S5	通信板(RS-485/Mod-bus接口) Communication interface board RS-485 (double Mod-bus connector)		YUYUN		----		PCS	PCS	1	YE90048501200				
	18		外壳RS-485(SAL-700G-A-19)0版 Shell RS485(SAL-700G-A-19)0		BINCHENG		----		PCS	PCS	1	YR40048500000				
	19	X1 X2	端子排 /Terminal board		Honeywell		SK4		4mm ²	PCS	13	YE60000403200				
	20		端子排 /Terminal board		Honeywell		GK5PE		4mm ² PE	PCS	3	YE60000403500				
	21		端子排 /Terminal board		Honeywell		SK2.5		2.5mm ²	PCS	15	YE60002503200				
	22		端子排 /Terminal board		Honeywell		GK2.5 PE		2.5mm ² PE	PCS	1	YE60002503400				
	23		端子排 /Terminal board		Honeywell		GK10PE		10mm ² PE	PCS	1	YE60001003500				
	24		端子排 /Terminal board		Honeywell		SK10		10mm ²	PCS	3	YE60001003200				
25		终端固定件E/GK系列 Terminal fittings E/GK series		Honeywell		E		GK	PCS	6	YE60000003900					
机型版本 Ver.H		注: (1) 表示非电控箱安装 (2) 表示选配露点变送器 Note: (1) Means not part of control box. (2) Optional dew point transducer.														
D					制图		版号		标题		图号		比例		第 5 张	
					设计		核 准		电气元件明细表一		SD-700H-CE-400V-I-5		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				日期		20231009		机器频率	
1		2		3		4		5		6		7		8		

1		2		3		4		5		6		7		8	
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark	
26	H1	三色报警灯/Three-color alarm lamp		SHINI		SWI-P-H-AC/DC24		PCS		PCS	1	BL90242201520		(1)	
--	S1	热电偶/Thermocouple		SHINI		-----		K			1	-----		(1)	
--	S2	温度保护器/Overheat protector		EGO		ZA300		250V 300°C			1	-----		(1)	
--	S4	微动开关/Micro switch		-----		-----		-----			1	-----		(1)	
--	FM	风扇/Fan		SUNON		12x12CM		24VAC 50/60Hz			1	-----		(1)	
--	M1	风机/Blower		SHINI		-----		7.5kW 400V			1	-----		(1)	
--	M2	风机/Blower		SHINI		-----		15kW 400V			1	-----		(1)	
--	M3	转轮马达/Rotor motor		----		-----		15W 230V 50/60Hz			1	-----		(1)	
--	EH	电热/Heater		SHINI		-----		10kW 400V			1	-----		(1)	
Note: (1) Means not part of control box. (2) Optional dew point transducer.															
机型版本 Ver.H		注: (1) 表示非电控箱安装 (2) 表示选配露点变送器													
				制图		版号		标题		图号		比例		第 6 张	
				设计		核 准		SD-700H		SD-700H-CE-400V-I-6		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				日期		机器频率		50Hz	
1		2		3		4		5		6		7		8	



机型版本 Ver.G

Drawer	Version	H	Title	SD-1000H	Drawing NO	SD-1000H-CE-400V-H-1	Scale	Page	1
Designer	Approved by		Main Circuit Diagram				Standard	CE	Totally 5 Pages
Proofread by	Date	20191112	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	3Φ400V			
Checked by					Frequency	50Hz			



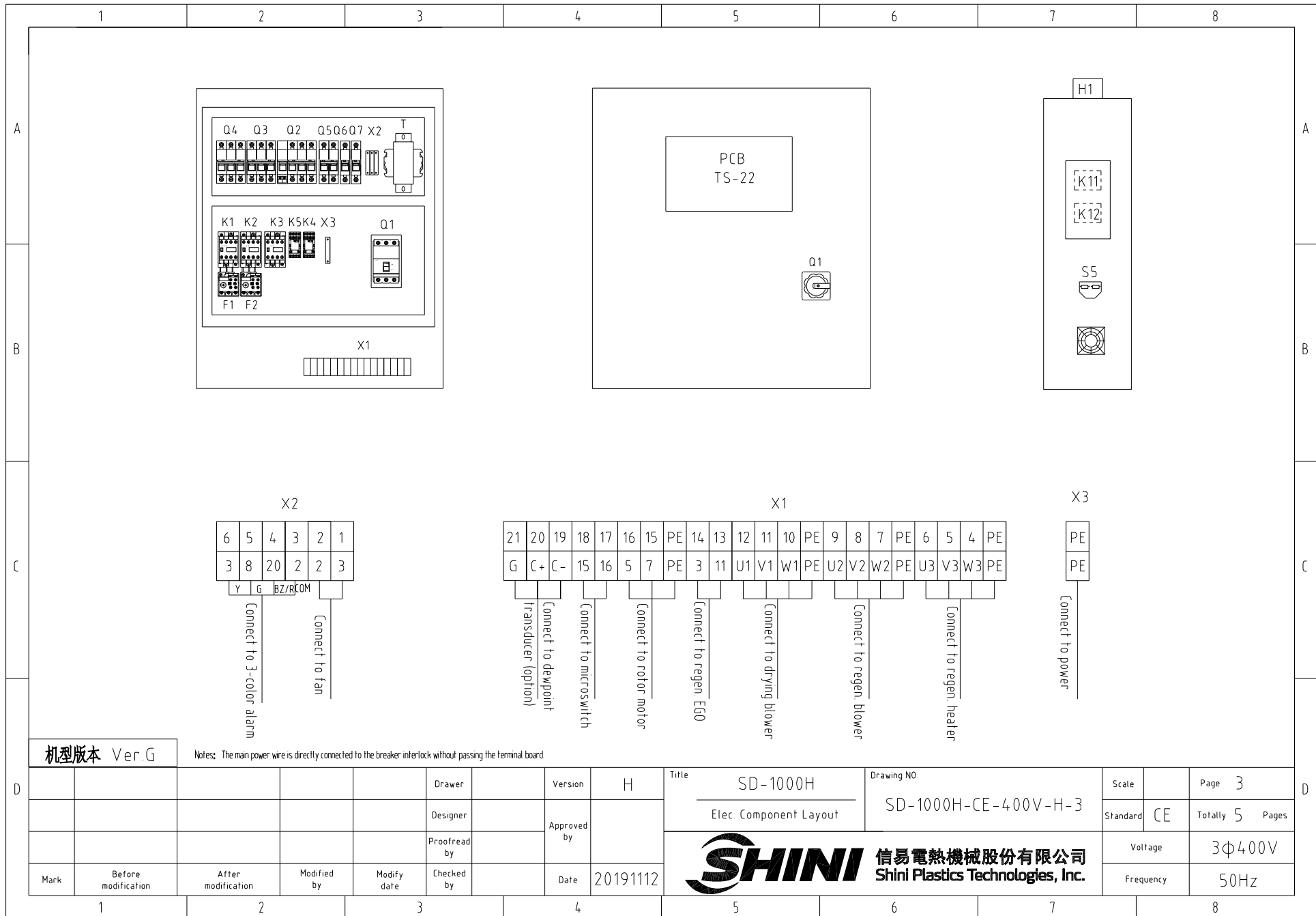
机型版本 Ver.G

Tech. requirement: CN6/CN7/CN9 uses DC voltage circuit which must be blue.

D					Drawer	Version	H	Title	SD-1000H	Drawing NO	Scale	Page	2	
					Designer	Approved by		Control Circuit Diagram	SD-1000H-CE-400V-H-2		Standard	CE	Totally	5
					Proofread by	Checked by					Voltage	3Φ400V		
	Mark	Before modification	After modification	Modified by	Modify date	Date	20191112				Frequency	50Hz		




1 2 3 4 5 6 7 8



机型版本 Ver.G

Notes: The main power wire is directly connected to the breaker interlock without passing the terminal board

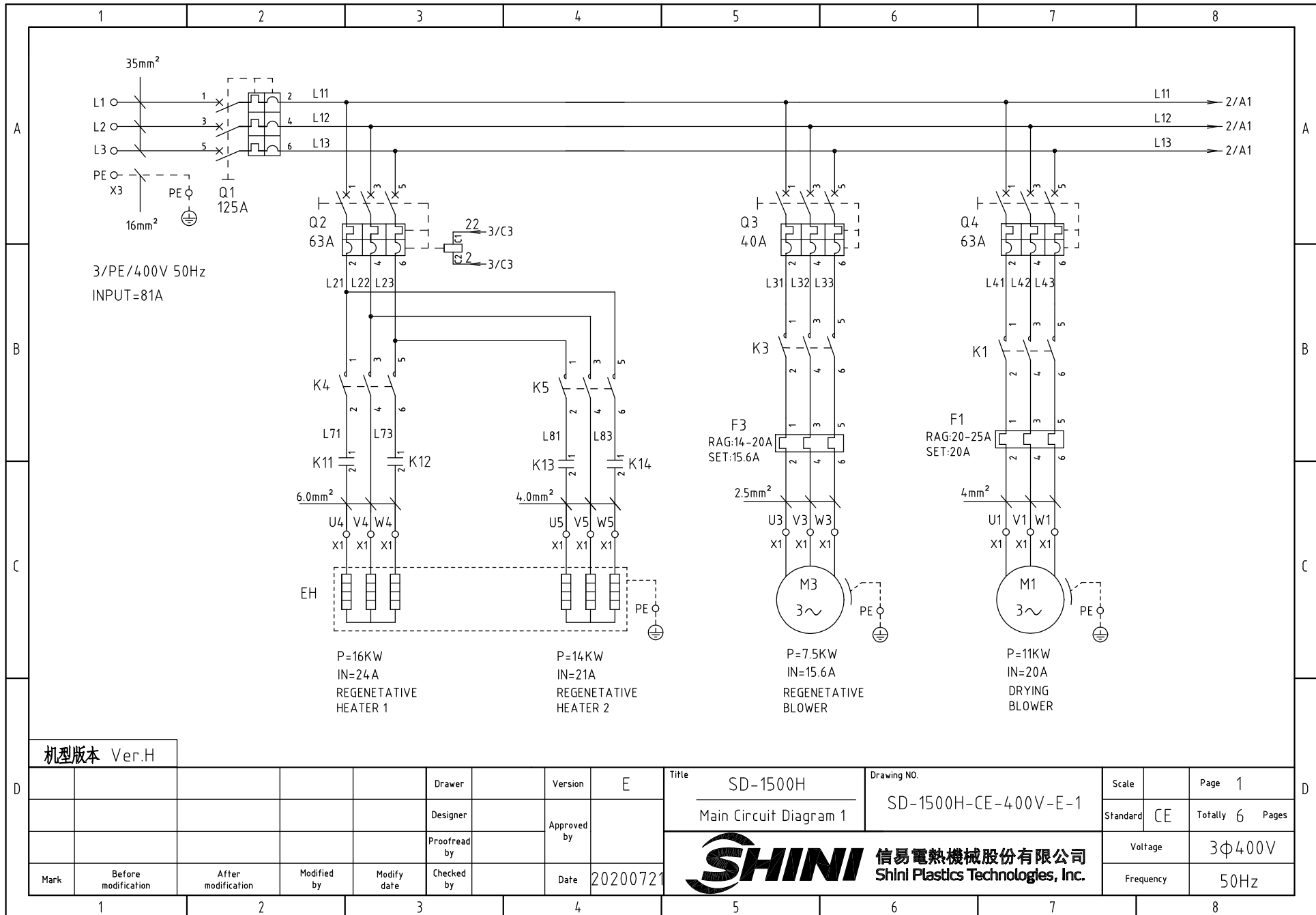
				Drawer	Version	H	Title	SD-1000H	Drawing NO	Scale	Page	3
				Designer	Approved by		Elec. Component Layout	SD-1000H-CE-400V-H-3		Standard	CE	Totally 5 Pages
				Proofread by	Date	20191112	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		3Φ400V	
Mark	Before modification	After modification	Modified 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	Breaker interlock		ABB		A1A125TMF90/9003PFF		90A		1	YE41109200000					
	2	Q2	Circuit breakers		TECO		BM-63C		32A		1	YE40303203000					
	3		Excitation release		YIJIN		MX		24VAC		1	YE40024000000		A			
	4	Q3	Circuit breakers		TECO		BM-63C		63A		1	YE40306303000					
	5	Q4	Circuit breakers		TECO		BM-63C		25A		1	YE40302503000					
	6	Q5	Circuit breakers		TECO		BM-63C		3A		1	YE40200203000					
	7	Q6 Q7	Circuit breakers		TECO		BM-63C		3A		2	YE40100203000					
B	8	K1	Contactors		SIEMENS		3RT6027-1AC20-24VAC		24VAC 50/60Hz		1	YE00602702600					
	9	K2	Contactors		SIEMENS		3RT6017-1AB01-24VAC		24VAC 50/60Hz		1	YE00601702500					
	10	K3	Contactors		SIEMENS		3RT6023-1AC20-24VAC		24VAC 50/60Hz		1	YE00602301100					
	11	K4 K5	Middle relay		Honeywell		GR-2C base PGR-2C-E		24V AC		2	YE03022400300		B			
	12	K11 K12	Solid-state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		2	YE03404003200					
	13	F1	Thermal overload relay		SIEMENS		3RU6126-4EB0		27-32A		1	YE01260170000					
	14	F2	Thermal overload relay		SIEMENS		3RU6116-1JB0		7-10A		1	YE01167100000					
C	15	T	Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		230VA 350MA		1	YE70040007500					
	16	PCB	Microcomputer board/PCB		YUYUN		TS-22(assembly) SSR output		24V 50/60Hz		1	YE80222408200					
	17	S1	Thermocouple		SHINI		-----		K		1	----- (1)					
	18	S2	Thermal overheat protector		EGO		ZA300		250V 300°C		1	----- (1)					
	19	S3	Dew-point transducer		SUTO		217-0EM		POWER-24VDC 4-20mA		1	YE90021700100 (1) (2)					
	20	S4	Limit switch		----		----		----		1	----- (1)					
	21	S5	Comm.interface plate RS-485(Dsub-9pin connector)		YUYUN		----		PCS		1	YE90048501200					
	22		Shell RS-485(SAL-700G-A-19)ver 0		BINCHENG		----		PCS		1	YR40048500000					
	23	FM	Fan		SUNON		12×12CM		24VAC 50/60Hz		1	----- (1)					
	D	24	X1	Terminal board		Honeywell		SK4		4mm ²		9	YE60000403200				
25			Terminal board		Honeywell		GK5PE		4mm ² PE		3	YE60000403500					
机型版本 Ver.G		Notes: (1) Items not in the control box; (2) Optional dew-point transducer;															
Mark	Before modification		After modification		Modified by		Modify date		Checked by		Date		20191112				
									Drawer		Version		H				
									Designer		Approved by		Title		SD-1000H		
									Proofread by		Drawing NO		SD-1000H-CE-400V-H-4		Scale		
												Elec. Parts List 1		Standard		CE	
														Voltage		3Φ400V	
														Frequency		50Hz	
1		2		3		4		5		6		7		8			




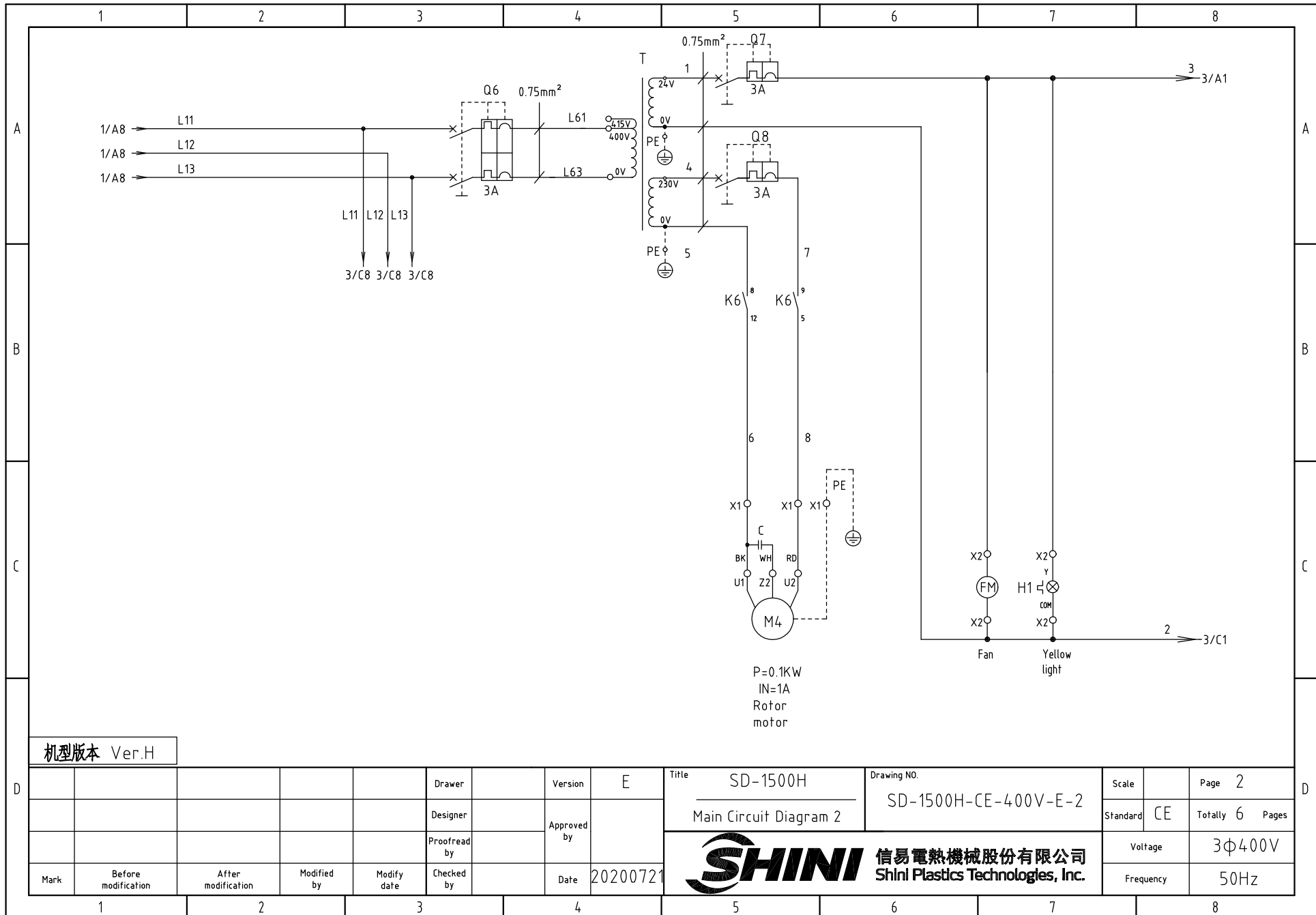
Page 4
Totally 5 Pages
3Φ400V
50Hz

1	2		3	4	5	6	7	8				
No.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark				
26		Terminal board	Honeywell	SK6	6.0mm ²	3	YE60000603200					
27		Terminal board	Honeywell	GK6 0 PE	6.0mm ² PE	1	YE60000603500					
28		Terminal board	Honeywell	SK2.5	2.5mm ²	9	YE60002503200					
29		Terminal board	Honeywell	GK2.5 PE	2.5mm ² PE	1	YE60002503400					
30	X3	Terminal board	Honeywell	GK16 PE	16mm ² PE	1	YE60001603500					
31	X2	Terminal board	Honeywell	SK2.5	2.5mm ²	4	YE60002503200					
32		Terminal fittings E/GK series	Honeywell	E	GK	8	YE60000003900					
33	M1	Blower	SHINI	-----	13kW 400V	1	-----	(1)				
34	M2	Blower	SHINI	-----	2.4kW 400V	1	-----	(1)				
35	M3	Rotor motor	----	-----	40W 230V 50/60Hz	1	-----	(1)				
36	EH	Heater	SHINI	-----	15kW 400V	1	-----	(1)				
37	H1	Three-color alarm light/Alarm	SHINI	red.yel.blue+buzzer	PCS	1	BL90242201520	(1)				
机型版本 Ver.G		Notes: (1) Items not in the control box, (2) Optional dew-point transducer;										
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112					
Drawer					Version	H	Title	SD-1000H	Drawing NO	Scale	Page	5
Designer					Approved by		Elec. Parts List 2	SD-1000H-CE-400V-H-5	Standard	CE	Totally	5 Pages
Proofread by								Voltage		3φ400V		
Checked by					Date	20191112		Frequency		50Hz		

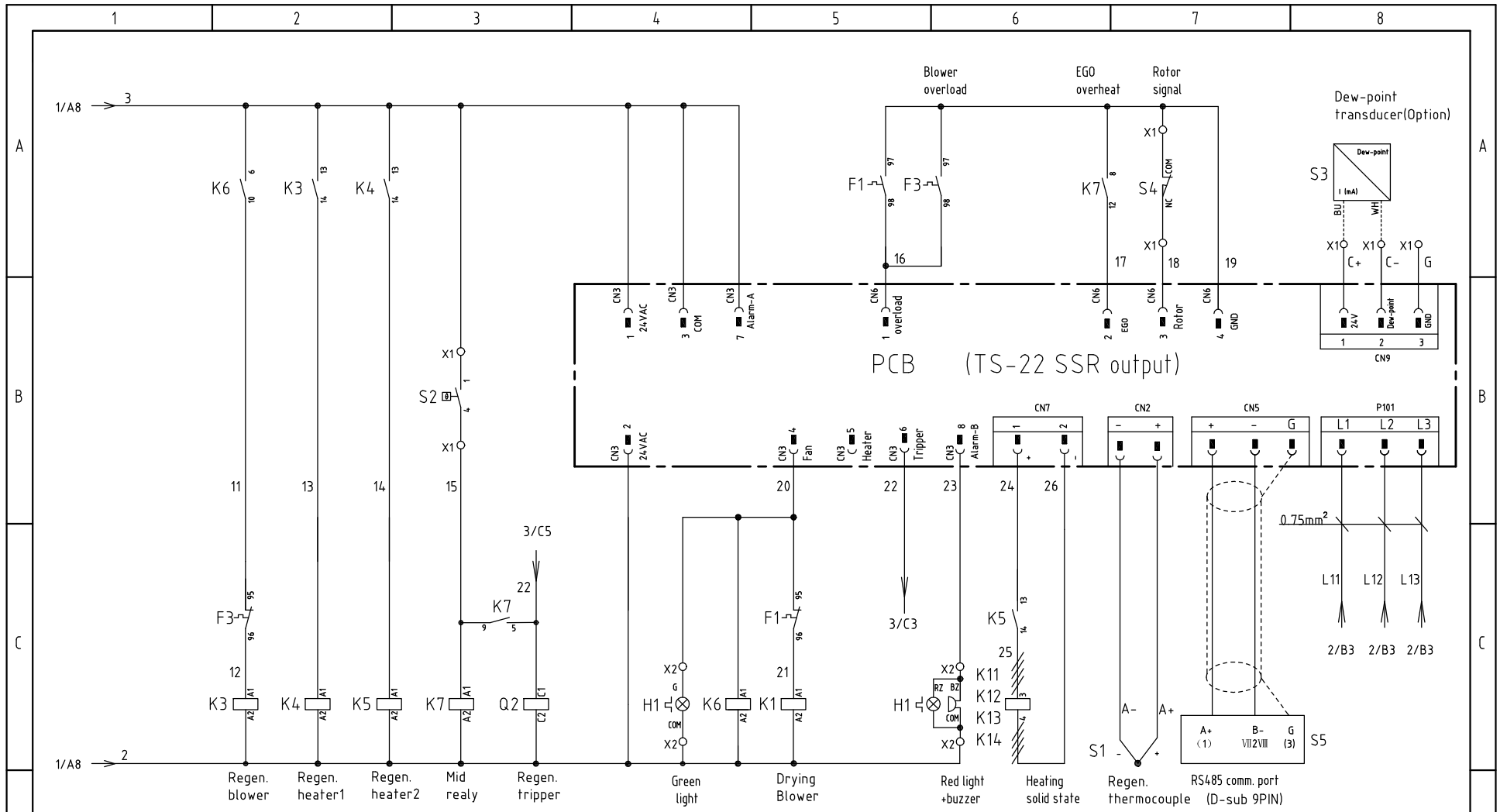


机型版本 Ver.H

				Drawer	Version	E	Title	SD-1500H	Drawing NO.	Scale	Page	1
				Designer	Approved by		Main Circuit Diagram 1	SD-1500H-CE-400V-E-1	Standard	CE	Totally	6 Pages
				Proofread by	Checked by		 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	Date	20200721			Frequency		50Hz	



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



机型版本 Ver.H

Tech. req.: CN6/CN7/CN9 adopts the DC voltage loop that must use blue wire.

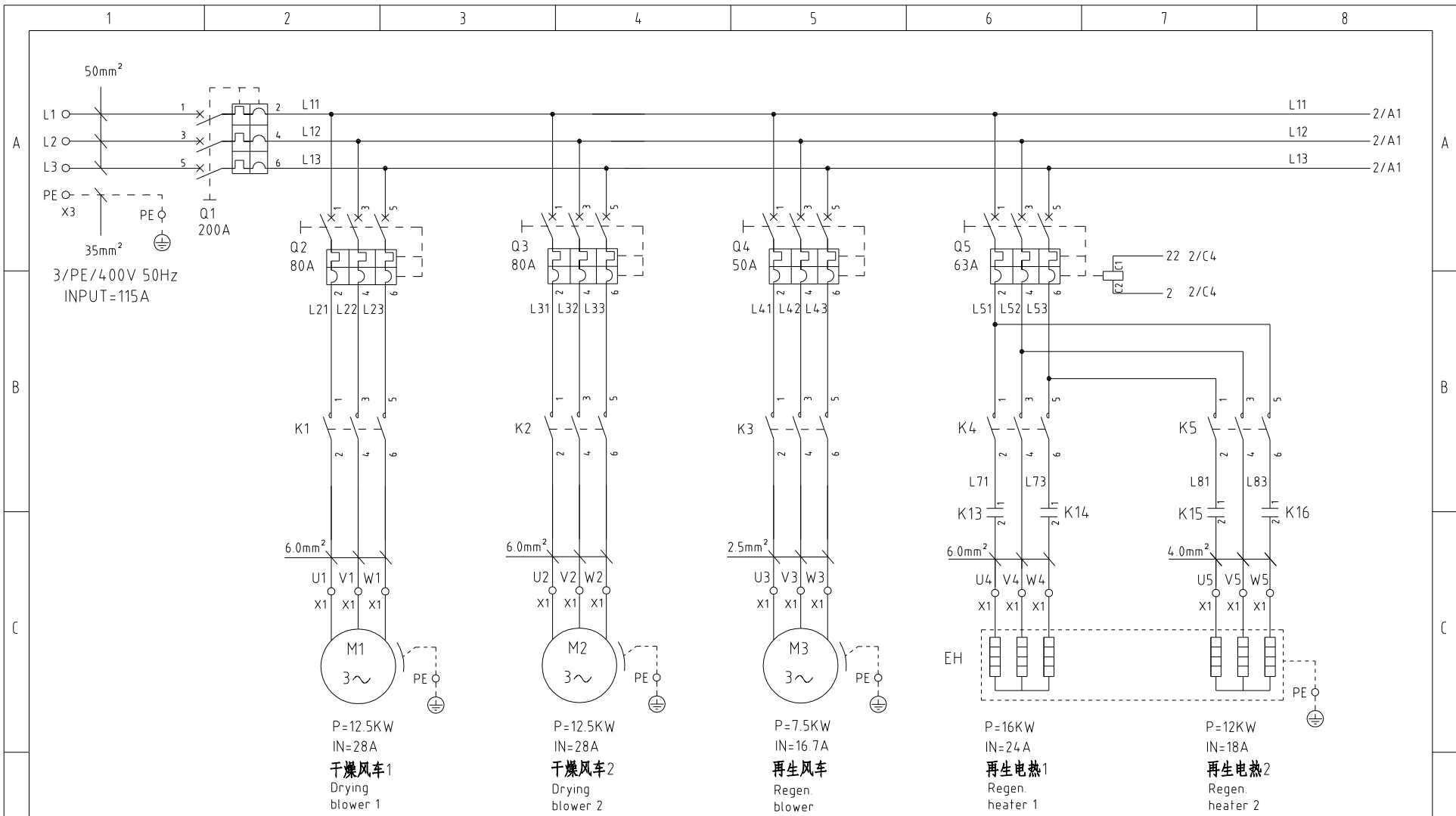
Title		Drawing NO.		Scale		Page	
SD-1500H		SD-1500H-CE-400V-E-3		CE		3	
Control Circuit Diagram				Standard		Totally 6 Pages	
Voltage		3Φ400V		Frequency		50Hz	
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20200721
1							
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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	Circuit breaker		ABB		A1A125TMF125/12503PFF		125A		1	YE41161400000				
2	Q2 Q4	Circuit breaker		TECO		BM-63C/3063S		63A		2	YE40306303000				
3	Q3	Circuit breaker		TECO		BM-63C/3040S		40A		1	YE40304003000				
4		Excitation release		YIJIN		MX		24V 50/60Hz		1	YE40024000000				
5	Q6	Circuit breakers		TECO		BM-63C		3A		1	YE40200203000				
6	Q7 Q8	Circuit breakers		TECO		BM-63C		3A		2	YE40100203000				
7	K1	AC contactors		SIEMENS		3RT6027-1AC20-24VAC		24VAC 50/60HZ		1	YE00602702600				
8	K4 K5	AC contactors		SIEMENS		3RT6023-1AC20-24VAC		24VAC 50/60HZ		2	YE00602301100				
9	K3	AC contactors		SIEMENS		3RT6026-1AC20-24VAC		24VAC 50/60HZ		1	YE00602602600				
10	K6	Middle relay + base		Honeywell		GR-4C base PGR-4C-E		AC24V		1	YE03042400300				
11	K7	Middle relay + base		Honeywell		GR-2C base PGR-2C-E		AC24V		1	YE03022400300				
12	K11 K12	Solid-state relay		FOTEK		KSR-50DA-H		50A/480VAC/4-32VDC		2	YE03505003200				
13	K13 K14	Solid-state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		2	YE03404003200				
14	F1	Thermal overload relay		SIEMENS		3RU6126-4DB0		20-25A		1	YE01260200000				
15	F3	Thermal overload relay		SIEMENS		3RU6126-4BB0		14-20A		1	YE01260140000				
16	PCB	Microcomputer PCB		YUYUN		TS-22(assembly)SSR output		AC24V 50/60Hz		1	YE80222408200				
17	T	Mutual transformer		JIUXIN		IN=400V/415V OUT=24V/230V		350VA 350MA		1	YE70040007600				
18	S1	Thermocouple		SHINI		----		PCS		1	----		(1)		
19	S2	Assembly EGO		SHINI		115-320℃ 55.13262.160		----		1	----		(1)		
20	S3	Dew-point transducer		SUTO		217-0EM		POWER-24VDC 4-20mA		1	YE90021700100		(1) (2)		
21	S4	Limit switch		----		----		----		1	----		(1)		
22	S5	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		PCS		1	YE90048501200				
23		Shell RS485(SAL-700G-A-19)ver.0		BINCHNEG		----		PCS		1	YR40048500000				
24	X3	Terminal board		NACHI		GK16PE		16mm ² PE		1	YE60001603500				
25	X1	Terminal board		Honeywell		SK6		6mm ²		3	YE60000603200				
机型版本 Ver.H		Notes: (1)Means it's not the material inside the control box. (2) Dew-point option;													
				Drawer		Version		E		Title SD-1500H		Drawing NO. SD-1500H-CE-400V-E-5		Scale Page 5	
				Designer		Approved by				Electrical Parts List 1		Standard CE		Totally 6 Pages	
				Proofread by		Date		20200721		 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	

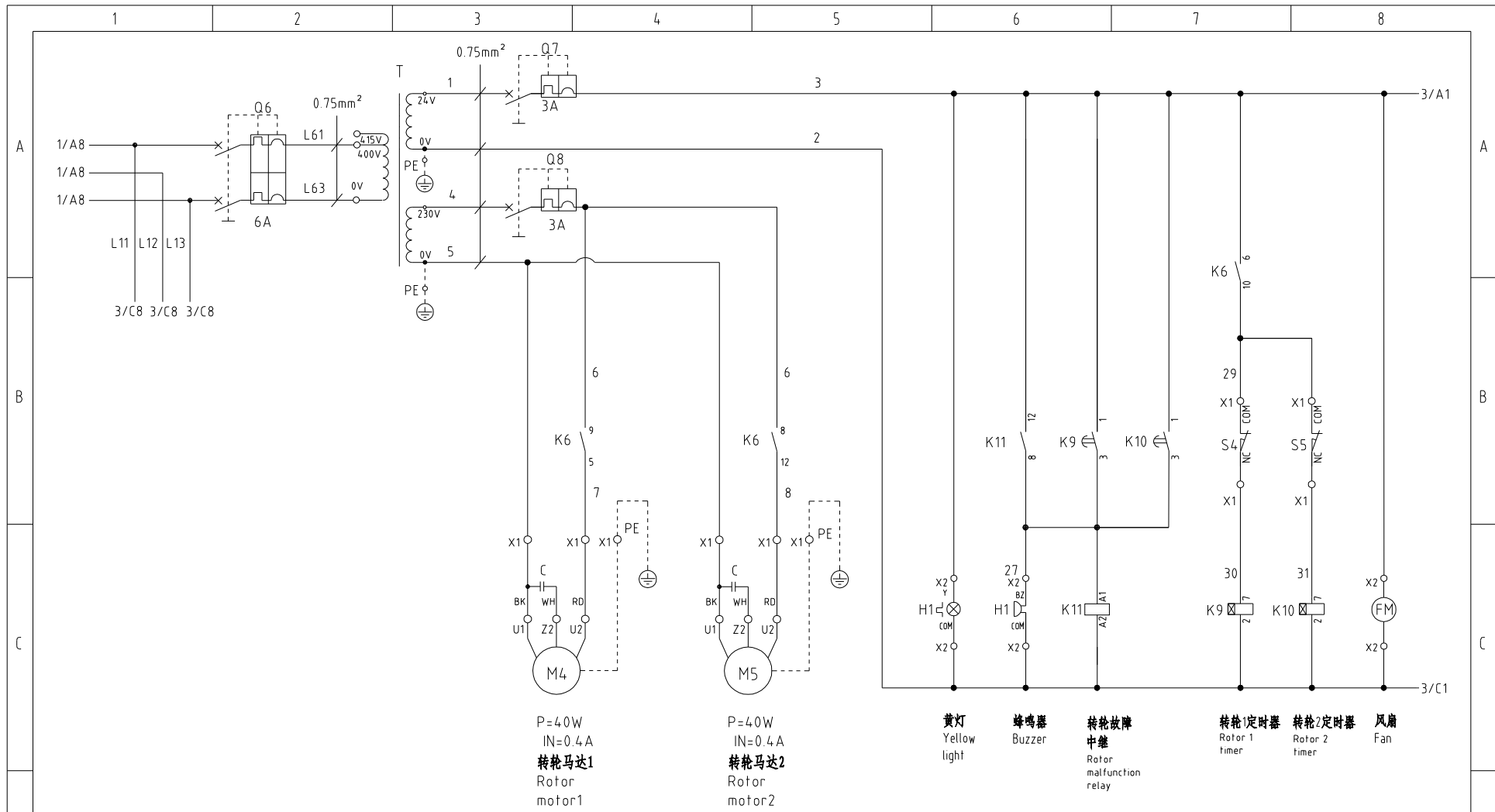
1		2		3		4		5		6		7		8	
No.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
26		Terminal board		Honeywell		GK6PE		6mm ² PE		1	YE60000603500				
27		Terminal board		Honeywell		SK4		4mm ²		9	YE60000403200				
28		Terminal board		Honeywell		GK5PE		4mm ² PE		3	YE60000403500				
29		Terminal board		Honeywell		SK2.5		2.5mm ²		9	YE60002503200				
30		Terminal board		Honeywell		GK2.5 PE		2.5mm ² PE		1	YE60002503400				
31	X2	Terminal board		Honeywell		SK2.5		2.5mm ²		6	YE60002503200				
32		Terminal fittings E/GK series		Honeywell		E		GK		5	YE60000003900				
33	M1 M2	Blower		-----		-----		PCS		2	-----		(1)		
34	M3	Blower		-----		-----		PCS		1	-----		(1)		
35	M4	Rotor motor		-----		-----		PCS		1	-----		(1)		
36	EH	Heater		-----		-----		PCS		2	-----		(1)		
37	H1	Three-color alarm light		SHINI		SWI-P-H-AC/DC24(highly increased)		PCS		1	BL90242201520		(1)		
38	FM	Fan		-----		12x12CM with plastic net		AC24V 50/60Hz		1	-----		(1)		
机型版本 Ver.H		Notes: (1)Means it's not the material inside the control box. (2) Dew-point option;													
					Drawer		Version	E	Title	SD-1500H	Drawing NO.	Scale		Page	6
					Designer		Approved by		Electrical Parts List 2	SD-1500H-CE-400V-E-6	Standard	CE	Totally	6	Pages
					Proofread by		Checked by			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			Date	20200721		Frequency	50Hz				




机型版本 Ver.H

					制图	版号	B	标题	SD-2000H 主电路图一	图号	SD-2000H-CE-400V-B-1	比例	第 1 张
					设计	核准						标准	CE 共 7 张
					校对	核准						机器电压	3φ400V
标记	更改前	更改后	更改人	日期	审核	日期	20231110	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	机器频率	50HZ			

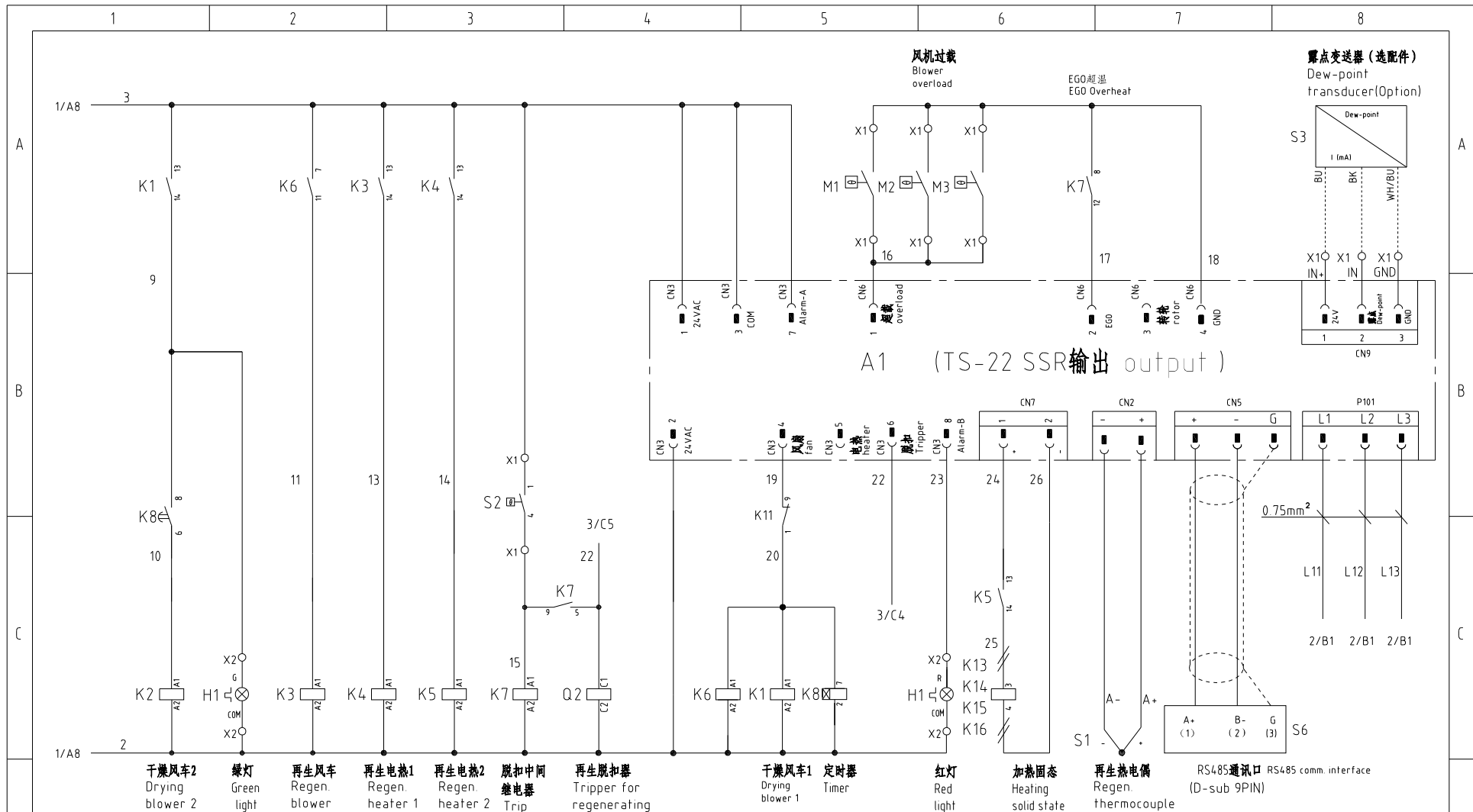
1 2 3 4 5 6 7 8



机型版本 Ver.H

					制图	版号	B	标题	SD-2000H 主电路图二	图号	SD-2000H-CE-400V-B-2	比例	第 2 张
					设计	核准				标准	CE		共 7 张
					校对	日期	20231110	 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			机器频率	50HZ			

1 2 3 4 5 6 7 8



A1 (TS-22 SSR 输出 output)

Technical requirement: CN6/CN7/CN9 uses the DC voltage circuit which must use the blue wire.
 技术要求: CN6/CN7/CN9使用直流电压回路, 须使用蓝色线

机型版本 Ver.H

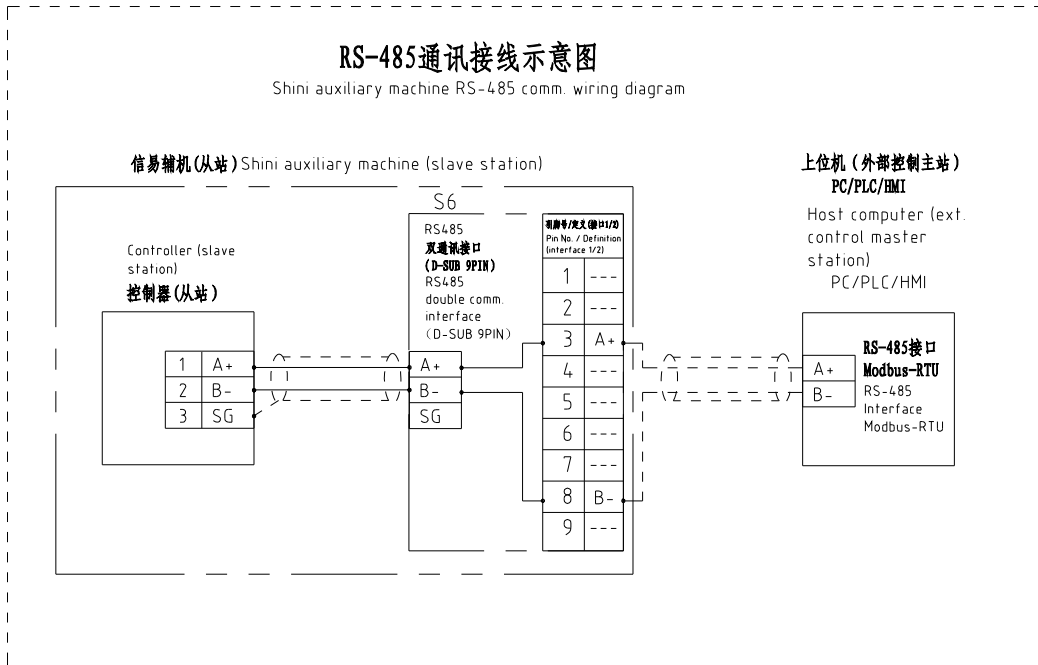
制图	版号	B	标题	SD-2000H 控制电路图	图号	SD-2000H-CE-400V-B-3	比例	第 3 张	
设计	核准						标准	CE	
校对	核准						机器电压	3φ400V	
标记	更改前	更改后	更改人	日期	审核	日期	20231110	机器频率	50HZ

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

比例	第 3 张
标准	CE
机器电压	3φ400V
机器频率	50HZ

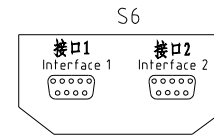
RS-485通讯接线示意图

Shini auxiliary machine RS-485 comm. wiring diagram



信易RS-485接口定义

Shini RS-485 interface definition



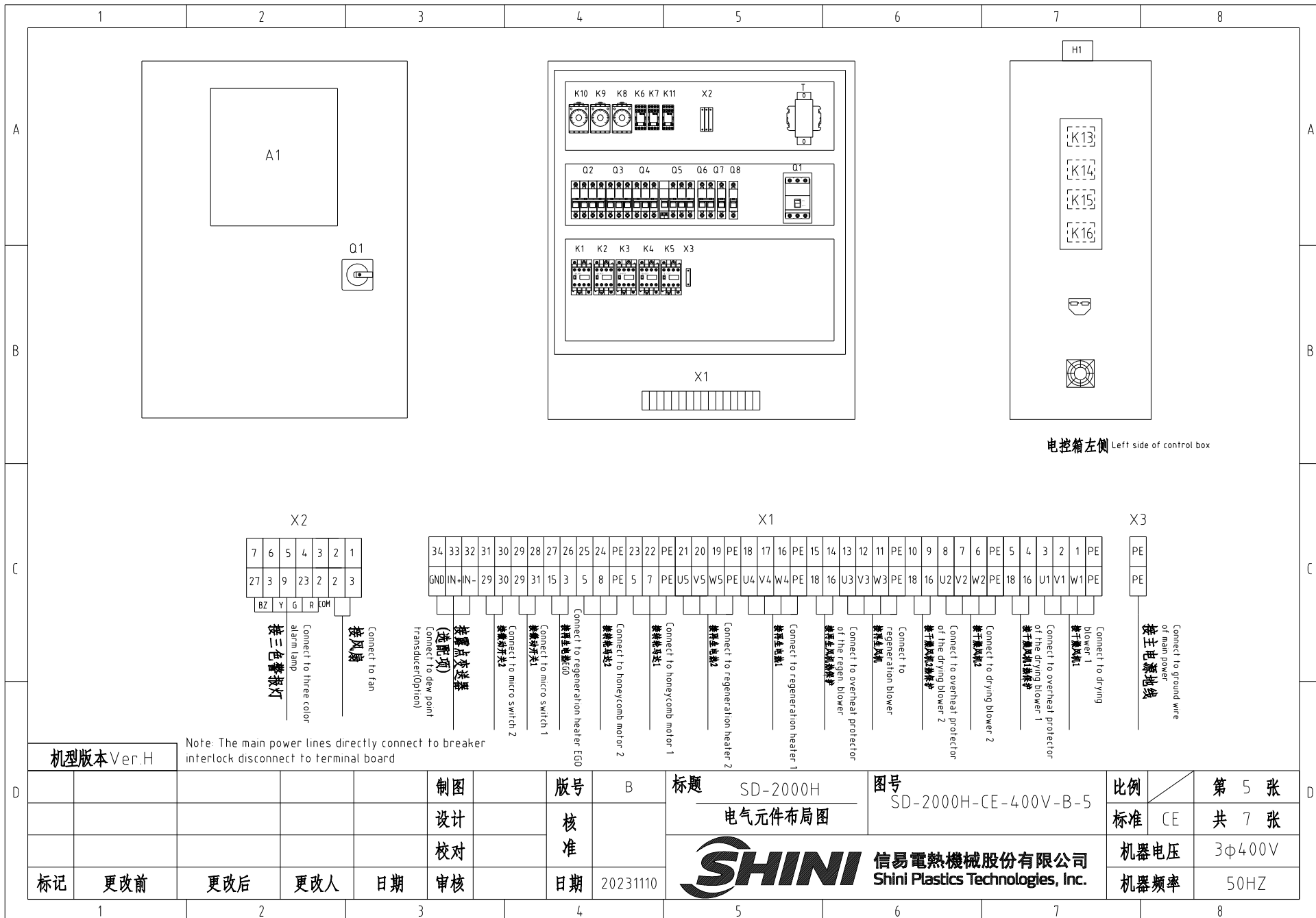
D-sub-9针接口 D-sub-9 pin interface	引脚号 Pin No.	引脚定义 Pin definition
	1	-
	2	-
	3	A+ (RS-485 信号) A+ (RS-485 signal)
	4	-
	5	-
	6	-
	7	-
	8	B- (RS-485 信号) B- (RS-485 signal)
	9	-

- 注: 1. 通讯接口: RS-485 (两线式)
 2. 通讯协议: Modbus-RTU
 3. 机器配备D-sub9母接头, 客户需自备D-sub9公接头;
 4. 接口1和接口2内部并联, 功能相同, 不分主次

Note: 1. Comm. interface: RS-485 (two wire)
 2. Comm. protocol: Modbus-RTU
 3. The machine is equipped with D-sub9 female connector, and the customer needs to provide D-sub9 male connector;
 4. Interface 1 and interface 2 are connected in parallel and have the same function, which is regardless of primary and secondary.

机型版本 Ver.H

						制图	版号	B	标题	SD-2000H	图号	比例	第 4 张
						设计	核		通讯接口接线图	SD-2000H-CE-400V-B-4	标准	CE	共 7 张
						校对	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	20231110	机器频率		50HZ			



电控箱左侧 Left side of control box

X2

7	6	5	4	3	2	1
27	3	9	23	2	2	3
BZ	Y	G	R	COM		

接三色警报灯
Connect to three color alarm lamp

接风扇
Connect to fan

X1

34	33	32	31	30	29	28	27	26	25	24	PE	23	22	PE	21	20	19	PE	18	17	16	PE	15	14	13	12	11	PE	10	9	8	7	6	PE	5	4	3	2	1	PE
GND	IN-		29	30	29	31	15	3	5	8	PE	5	7	PE	U5	V5	W5	PE	U4	V4	W4	PE	18	16	U3	V3	W3	PE	18	16	U2	V2	W2	PE	18	16	U1	V1	W1	PE

接露点变送器 (选配项)
Connect to dew point Transducer(Optional)

接微动开关2
Connect to micro switch 2

接微动开关1
Connect to micro switch 1

接再生加热器
Connect to regeneration heater 1

接再生加热器2
Connect to honeycomb motor 2

接再生加热器1
Connect to honeycomb motor 1

接再生加热器2
Connect to regeneration heater 2

接再生加热器1
Connect to regeneration heater 1

接再生加热器
Connect to regeneration heater of the regen. blower

接再生加热器
Connect to overhear protector of the regen. blower

接再生加热器
Connect to regeneration blower

接再生加热器
Connect to regeneration protector of the regen. blower

接再生加热器
Connect to overhear protector of the drying blower 2

接再生加热器
Connect to overhear protector of the drying blower 1

X3


PE	PE
----	----

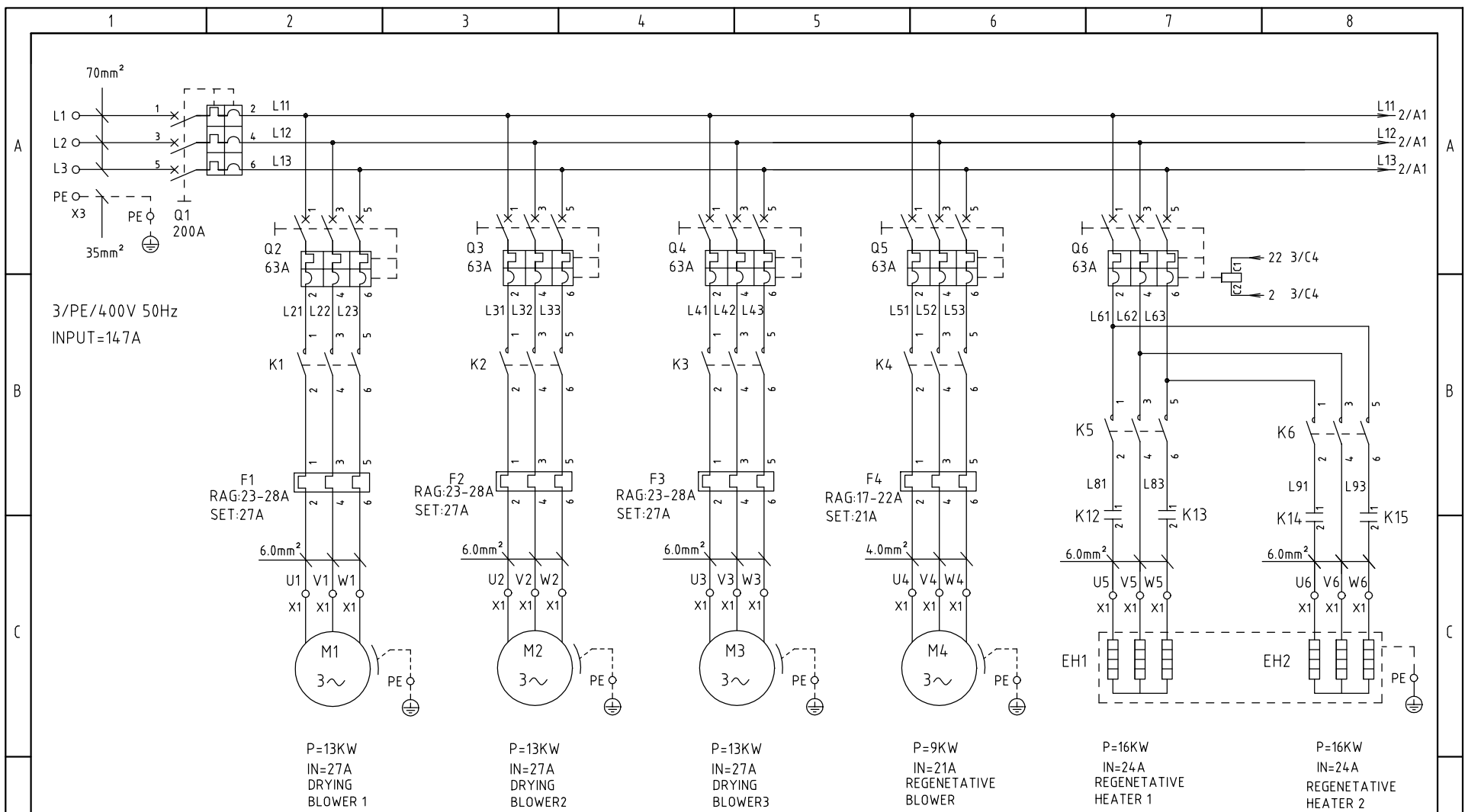
接主电源地线
Connect to ground wire of main power

Note: The main power lines directly connect to breaker interlock disconnect terminal board


机型版本 Ver.H					制图		版本号	B	标题	SD-2000H 电气元件布局图	图号	SD-2000H-CE-400V-B-5	比例	第 5 张	
					设计		核准				标准	CE	共 7 张		
					校对				信易电热机械股份有限公司 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	20231110	机器频率		50HZ					

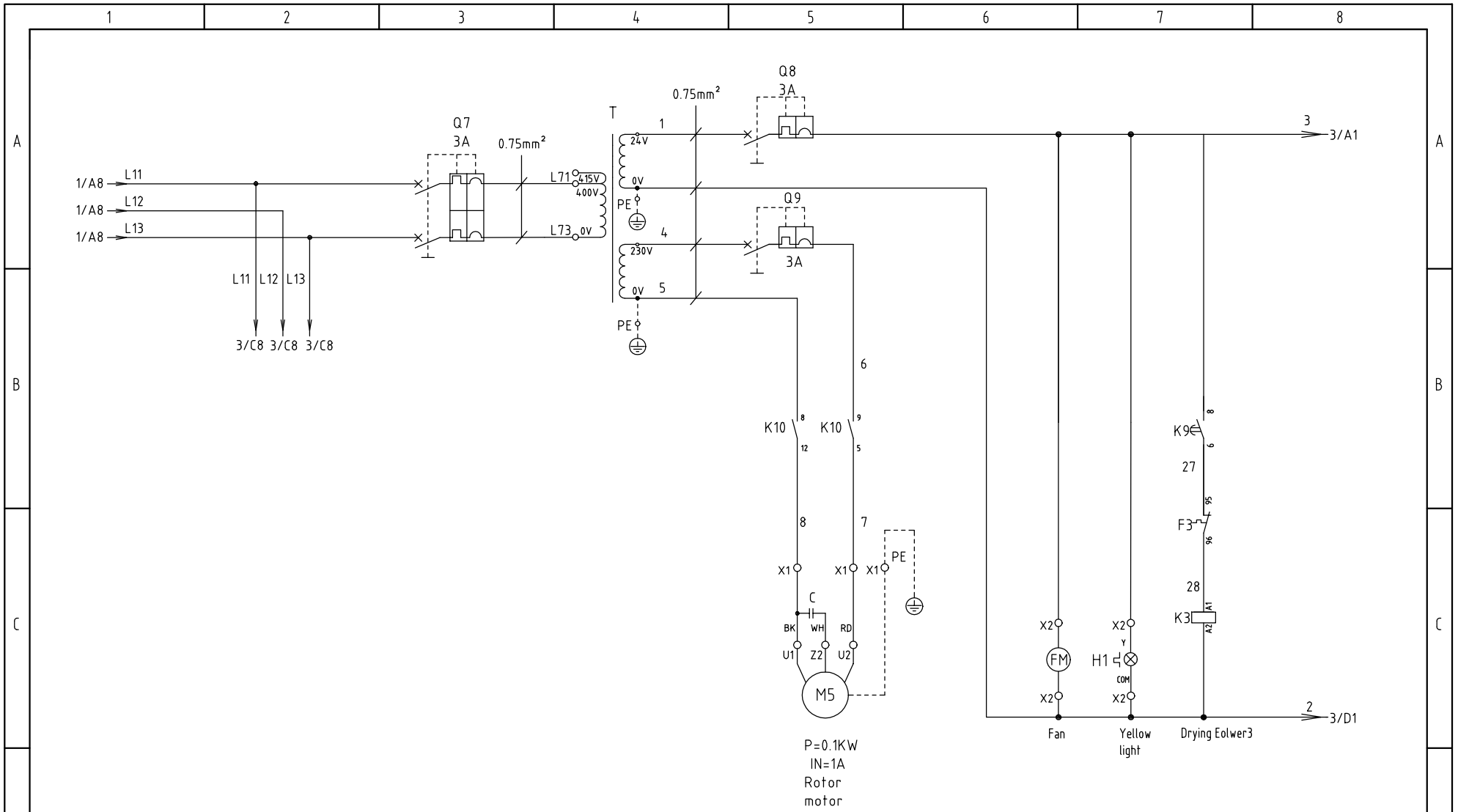
1		2		3		4		5		6		7		8								
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark								
A	1	Q1	门连锁断路器 /Break Interlock		TECO		TAX-250L3200		200A		PCS	1	YE40250300500									
	2		断路器外部操作把手 External circuit breaker handle		TECO		FB2R-CS1-C-D1		TAX-250		PCS	1	YE90211200300									
	3	Q2 Q3	断路器 /Circuit breakers		TECO		FBBM-100D/3080T		D80A?P		PCS	2	YE40308003000									
	4	Q4	断路器 /Circuit breakers		TECO		BM-63C		50A		PCS	1	YE40305003000									
	5	Q5	断路器 /Circuit breakers		TECO		BM-63C		63A		PCS	1	YE40306303000									
	6		励磁脱扣器 /Excitation release		TECO		MX		24V 50/60Hz		PCS	1	YE40024000000									
	7	Q6	断路器 /Circuit breakers		TECO		BM-63C		6A		PCS	1	YE40200600000									
B	8	Q7 Q8	断路器 /Circuit breakers		TECO		BM-63C		3A		PCS	2	YE40100203000									
	9	K1 K2	接触器 /Contactors		SIEMENS		3RT6028-1AC20-24VAC		24 VAC 50/60Hz		PCS	2	YE00602802600									
	10	K4 K5	接触器 /Contactors		SIEMENS		3RT6023-1AC20-24VAC		24 VAC 50/60Hz		PCS	2	YE00602301100									
	11	K3	接触器 /Contactors		SIEMENS		3RT6027-1AC20-24VAC		24 VAC 50/60Hz		PCS	1	YE00602702600									
	12	K6	中间继电器/Middle relay		Honeywell		GR-4C 底座 base PGR-4C-E		AC24V		PCS	1	YE03042400300									
	13	K7 K11	中间继电器/Middle relay		Honeywell		GR-2C 底座 base PGR-2C-E		AC24V		PCS	2	YE03022400300									
	14	K8	时间继电器/Time relay		YUYUN		TH3A-NAB/60S		24V DC/AC (T&C)		PCS	1	YE86602400300									
C	15	K9 K10	定时器 /Timer		YUYUN		TH3A-NAB(3S~60M)		24V 50/60Hz		PCS	2	YE86123000000									
	16	K13 K14	固态继电器/Solid state relay		FOTEK		KSR-50DA-H		50A/480VAC/4-32VDC		PCS	2	YE03505003200									
	17	K15 K16	固态继电器/Solid state relay		FOTEK		KSR-40DA-H		40A/480VAC/4-32VDC		PCS	2	YE03404003200									
	18	T	变压器 /Transformer		JIUXIN		IN=400V/415V OUT=24V/230V		350VA 350MA		PCS	1	YE70040007600									
	19	A1	微电脑板 /PCB		YUYUN		TS-22(组合件Assembly) SSR输出 output		24V 50/60Hz		PCS	1	YE80222408200									
	20	H1	三色报警灯/Three color alarm light		SHINI		SWI-P-H		AC/DC24		PCS	1	BL90242201520		(1)							
	21	S1	露点变送器/Dew-point transducer		VAISALA		DMT141		POWER=24VDC OUT=4-20mA		PCS	1	YE90014100100		(1) (2)							
	22	S6	通信接口板RS-485(双D-sub-9pin接口)Communication interface board RS-485 (double D-sub-9pin connector)		YUYUN		----		----		PCS	1	YE90048501200									
	23		外壳RS-485(SAL-700G-A-19)0版 Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		PCS	1	YR40048500000									
	24	X1 X2 X3	端子排 /Terminal board		Honeywell		SK6		6.0mm?		PCS	12	YE60000603200									
25		端子排 /Terminal board		Honeywell		GK6.0 PE		6.0mm?PE		PCS	4	YE60000603500										
机型版本 Ver.H		注: (1)表示非电控箱内材料 (2)表示选配露点显示功能 Notes: (1)Means it 's not the material inside the control box (2) Optional dew point display.																				
D					制图		版号		B		标题		SD-2000H		图号		SD-2000H-CE-400V-B-6		比例		第 6 张	
					设计		核				电气材料明细表一				标准		CE				共 7 张	
					校对		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				20231110		机器频率		50HZ					
1		2		3		4		5		6		7		8								

1		2		3		4		5		6		7		8	
序号/NO	符号/Symbol	名称/Name		制造商/Manufacturer		型号/Type		规格/Specification		单位/unit	数量/Number	物料编号/Material number		备注/Remark	
26		端子排 /Terminal board		Honeywell		SK4		4.0mm?		PCS	3	YE60000403200			
27		端子排 /Terminal board		Honeywell		GK5PE		4.0mm?PE		PCS	1	YE60000403500			
28		端子排 /Terminal board		Honeywell		SK2.5		2.5mm?		PCS	18	YE60002503200			
29		端子排 /Terminal board		Honeywell		GK2.5PE		2.5mm?PE		PCS	2	YE60002503400			
30		端子排 /Terminal board		Honeywell		GK35PE		35mm?E		PCS	1	YE60003503500			
31		终端固定件E/GK系列 Terminal fittings E/GK series		Honeywell		E		GK		PCS	5	YE60000003900			
32	M1 M2	风机 /Blower		----		----		----		PCS	2	----		(1)	
33	M3	风机 /Blower		----		----		----		PCS	1	----		(1)	
34	M4 M5	转轮马达 /Rotor motor		----		----		----		PCS	2	----		(1)	
45	EH	电热 /Heater		----		----		----		PCS	1	----		(1)	
46	FM	风扇/Fan		----		----		----		PCS	1	----		(1)	
C															
机型版本 Ver.H		注: (1) 表示非电控箱内材料 (2) 表示选配露点显示功能 Notes: (1)Means it 's not the material inside the control box.(2) Optional dew point display.													
				制图		版号 B		标题 SD-2000H		图号 SD-2000H-CE-400V-B-7		比例		第 7 张	
				设计		核 准		电气材料明细表二				标准 CE		共 7 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				日期		20231110		机器频率	
1		2		3		4		5		6		7		8	



机型版本 Ver.F

D					Drawer	Version	C	Title	SD-3000H	Drawing NO.	Scale	Page	1
					Designer	Approved by		Main Circuit Diagram 1	SD-3000H-CE-400V-C-1	Standard	CE	Totally	6 Pages
					Proofread by					Voltage	3Φ400V		
	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.			Frequency	50Hz
1	2	3	4	5	6	7	8						



机型版本 Ver.F

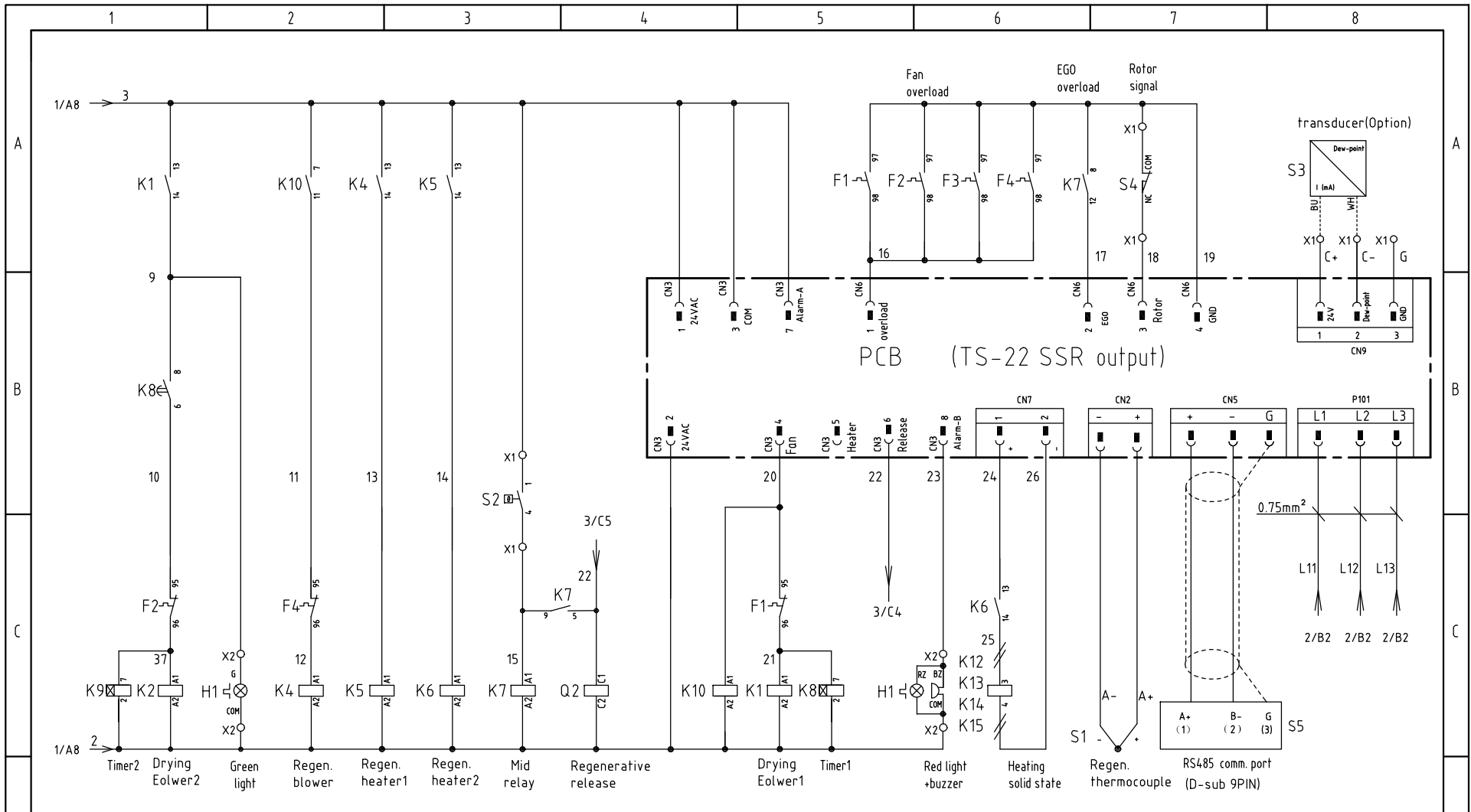
Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112
					Proofread by		
					Designer	Version	C
					Approved by		
					Drawer		

Title SD-3000H
Control Circuit Diagram 2

Drawing NO. SD-3000H-CE-400V-C-2

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

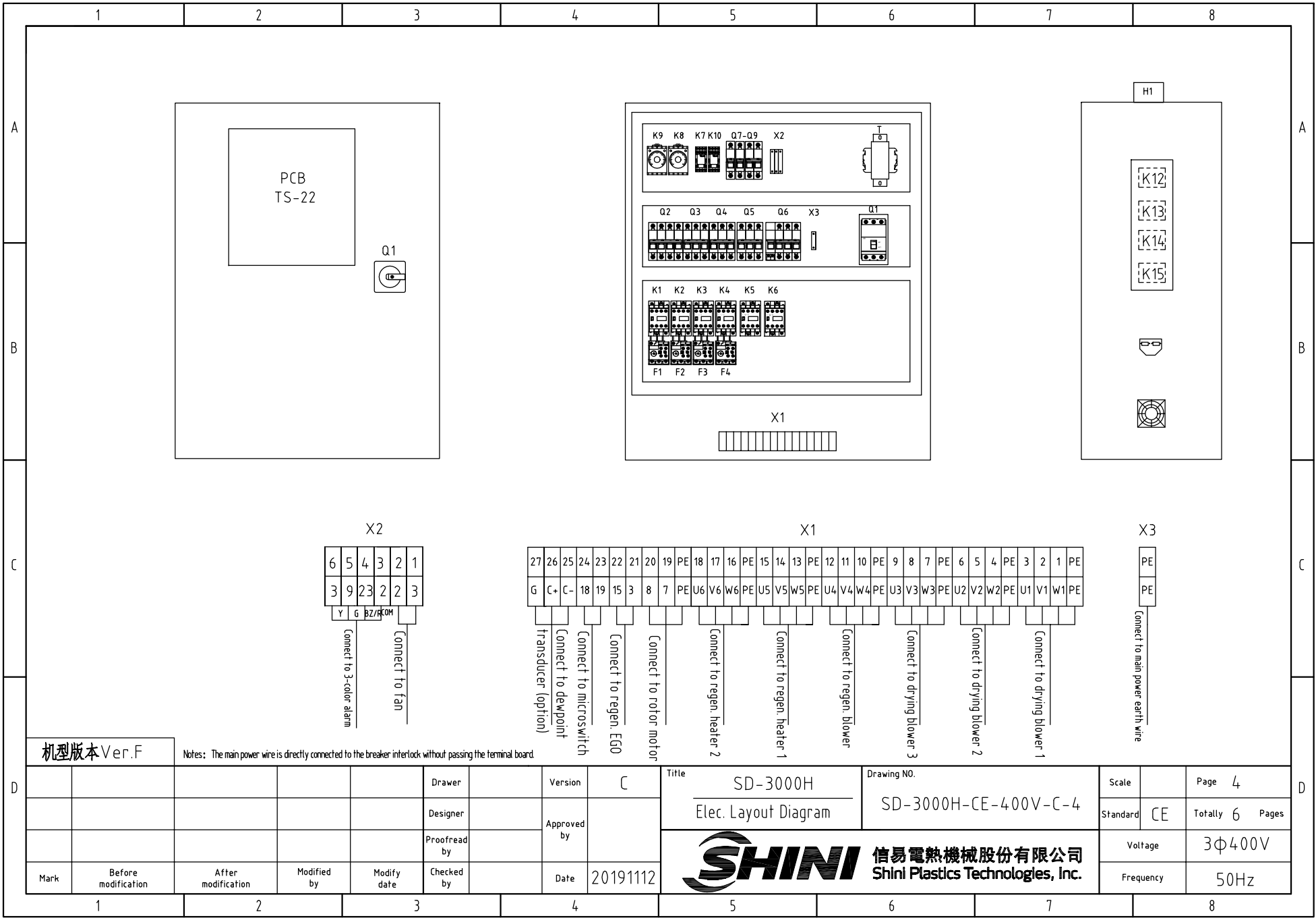
Scale	Page 2
Standard	CE
Totally 6 Pages	
Voltage	3Φ400V
Frequency	50Hz



机型版本 Ver.F

Tech. requirement: CN6/CN7/CN9 uses DC voltage circuit which must be blue.

D					Drawer	Version	C	Title	SD-3000H	Drawing NO.	Scale	Page	3
					Designer	Approved by		Control Circuit Diagram	SD-3000H-CE-400V-C-3	Standard	CE	Totally	6 Pages
					Proofread by					Voltage	3Φ400V		
	Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112	信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Frequency	50Hz	
1	2	3	4	5	6	7	8						



机型版本 Ver.F

Notes: The main power wire is directly connected to the breaker interlock without passing the terminal board.

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20191112
					Drawer	Version	C
					Designer	Approved by	
					Proofread by		

Title
SD-3000H
Elec. Layout Diagram


Drawing No.
SD-3000H-CE-400V-C-4



Scale		Page	4
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	Breaker interlock	ABB	A2B250TMF200	200A	1	YE41252200000										
2	Q2-Q6	Circuit breakers	TECO	BM-63C	63A	5	YE40306303000										
3		Excitation release	YIJIN	MX	24V 50/60Hz	1	YE40024000000										
4	Q7	Circuit breaker	TECO	BM-63C	3A	1	YE40200203000										
5	Q8 Q9	Circuit breaker	TECO	BM-63C	3A	2	YE40100203000										
6	K1 K2 K3	Contactora	SIEMENS	3RT6028-1AC20-24VAC	24VAC 50/60Hz	3	YE00602802600										
7	K4	Contactora	SIEMENS	3RT6026-1AC20-24VAC	24VAC 50/60HZ	1	YE00602602600										
8	K5 K6	Contactora	SIEMENS	3RT6023-1AC20-24VAC	24VAC 50/60Hz	2	YE00602301100										
9	K7	Middle relay	Honeywell	GR-2C base PGR-2C-E	AC24V	1	YE03022400300										
10	K8 K9	Time relay	YUYUN	TH3A-NAB/60S	24V DC/AC (T&C)	2	YE86602400300										
11	K10	Middle relay	Honeywell	GR-2C base PGR-4C-E	AC24V	1	YE03042400300										
12	K12-K15	Solid state relay	FOTEK	KSR-50DA-H	50A/480VAC/4-32VDC	4	YE03505003200										
13	F1 F2 F3	Solid state relay	SIEMENS	3RU6126-4NB0	23-28A	3	YE01612620000										
14	F4	Thermal overload relay	SIEMENS	3RU6126-4CB0	17-22A	1	YE01260170000										
15	T	Transformer	JIUXIN	IN=400V/415V OUT=24V/230V	350VA 350MA	1	YE70040007600										
16	PCB	Microcomputer board/PCB	YUYUN	TS-22(assembly)SSR output	24V 50/60Hz	1	YE80222408200										
17	S1	Thermocouple	SHINI	----	K	1	----	(1)									
18	S2	Temp. protector	TONGBAO	----	----	1	----	(1)									
19	S3	Dew-point transducer	SUTO	217-0EM	POWER=24VDC OUT=4-20mA	1	YE90021700100	(1)(2)									
20	S4	Limit switch	----	----	----	1	----	(1)									
21	S5	Comm.interface plate RS-485(Dsub-9pin connector)	YUYUN	----	PCS	1	YE90048501200										
22		Shell RS-485(SAL-700G-A-19)ver.0	BINCHNEG	----	PCS	1	YR40048500000										
23	X1	Terminal board	Honeywell	SK6	6.0mm ²	18	YE60000603200										
24		Terminal board	Honeywell	GK6.0 PE	6.0mm ² PE	6	YE60000603500										
25		Terminal board	Honeywell	SK2.5	2.5mm ²	9	YE60002503200										
机型版本 Ver.F		Notes: (1) Items not in the control box; (2) Optional dew-point transducer;															
				Drawer		Version		C		Title		Drawing NO.		Scale		Page 5	
				Designer		Approved by				Elec. Parts List 1		SD-3000H-CE-400V-C-5		Standard CE		Totally 6 Pages	
				Proofread by		Date		20191112		 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	26		Terminal board	Honeywell	GK2.5PE	2.5mm ² PE	1	YE60002503400	
	27	X2	Terminal board	Honeywell	SK2.5	2.5mm ²	4	YE60002503200	
	28	X3	Terminal board	Honeywell	GK35PE	35mm ²	1	YE60003503500	
	29		Terminal fittings E/GK series	Honeywell	E	GK	5	YE60000003900	
	30	M1 M2 M3	Blower	SHINI	----	13KW 400V 50Hz	3	----	(1)
	31	M4	Blower	SHINI	----	9KW 400V 50Hz	1	----	(1)
	32	M5	Rotor motor	----	----	230V 50/60Hz	1	----	(1)
B	33	EH	Heater	SHINI	----	32KW 400V 50Hz	1	----	(1)
	34	H1	Terminal fittings E/GK series	SHINI	red.yel.blue+buzzer	PCS	1	BL90242201520	(1)
	35	FM	Fan	SUNON	----	24V 50/60Hz	1	----	(1)
C									

机型版本 Ver.F		Notes: (1) Items not in the control box; (2) Optional dew-point monitor options;													
D					Drawer		Version	C	Title	SD-3000H	Drawing NO.	Scale		Page	6
					Designer		Approved by		Elec. Parts List 2	SD-3000H-CE-400V-C-6	Standard	CE	Totally	6	Pages
					Proofread by		Date	20191112	 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							