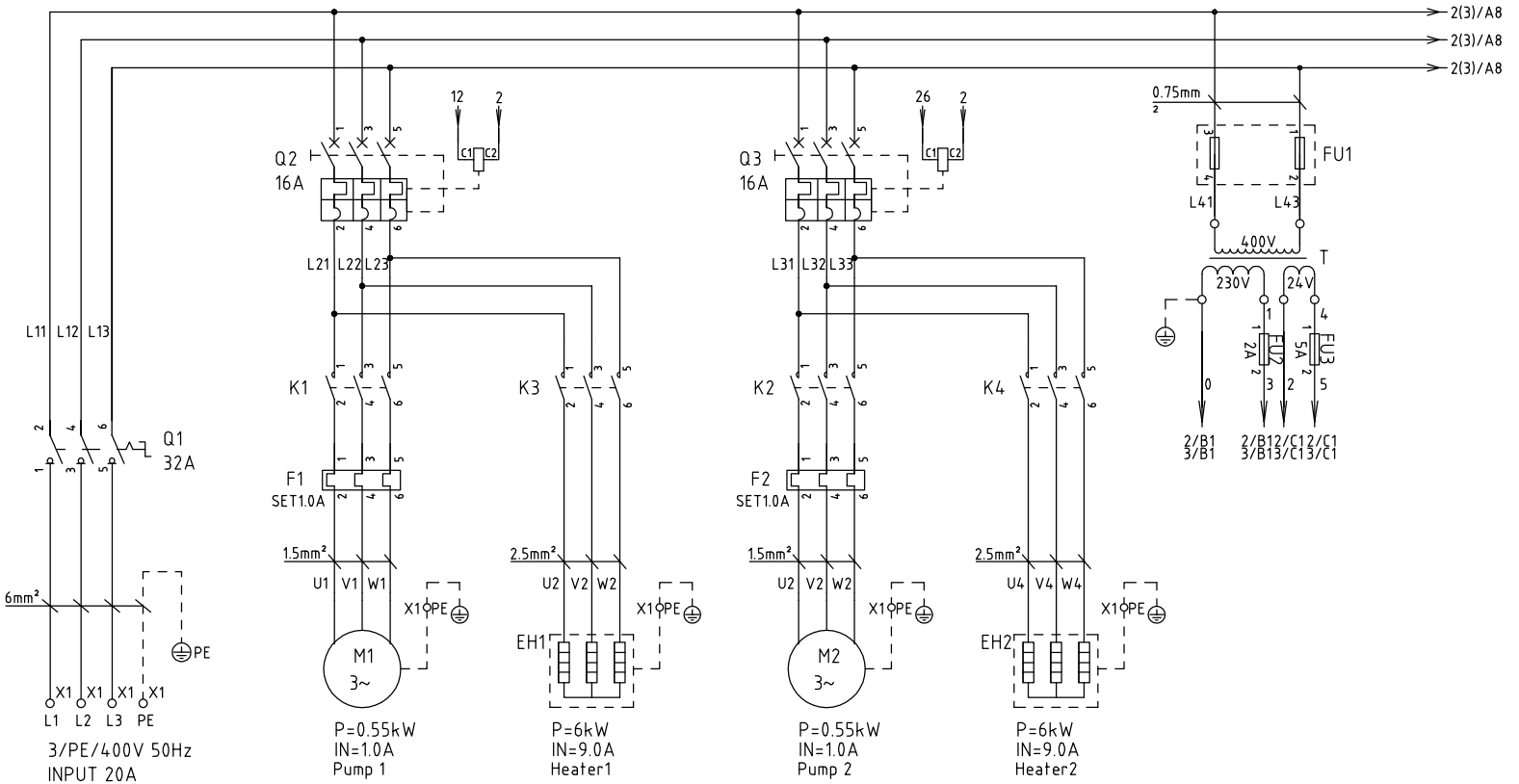


STM-607W-D 版本 Ver.D	When equipped with magnetic pump F1:SET 1.0A P=0.55KW IN=1.0A
STM-607MW-D 版本 Ver.B	When equipped with magnetic pump F2:SET 1.0A P=0.55KW IN=1.0A

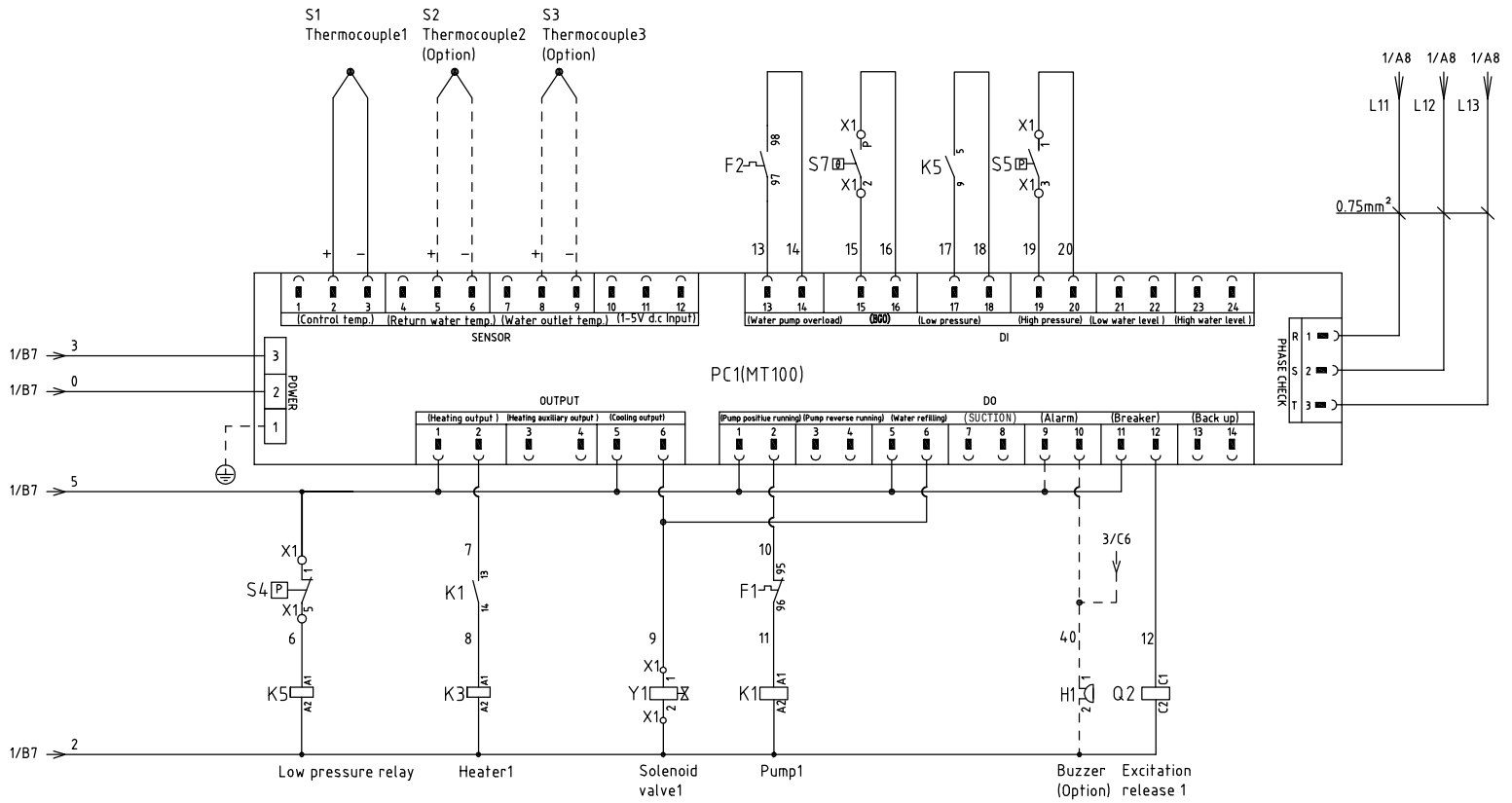
Mark	Before modification	After modification	Modified by	Modify date	Drawer		Version	F
					Designer		Approved by	
					Proofread by			
					Checked by		Date	20160720

Title: STM-607W-D
Main Circuit Diagram

Drawing NO.: STM-607W-D-CE-400V-F-1

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

Scale		Page	1
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	



STM-607W-D 版本 Ver.D
STM-607MW-D 版本 Ver.B

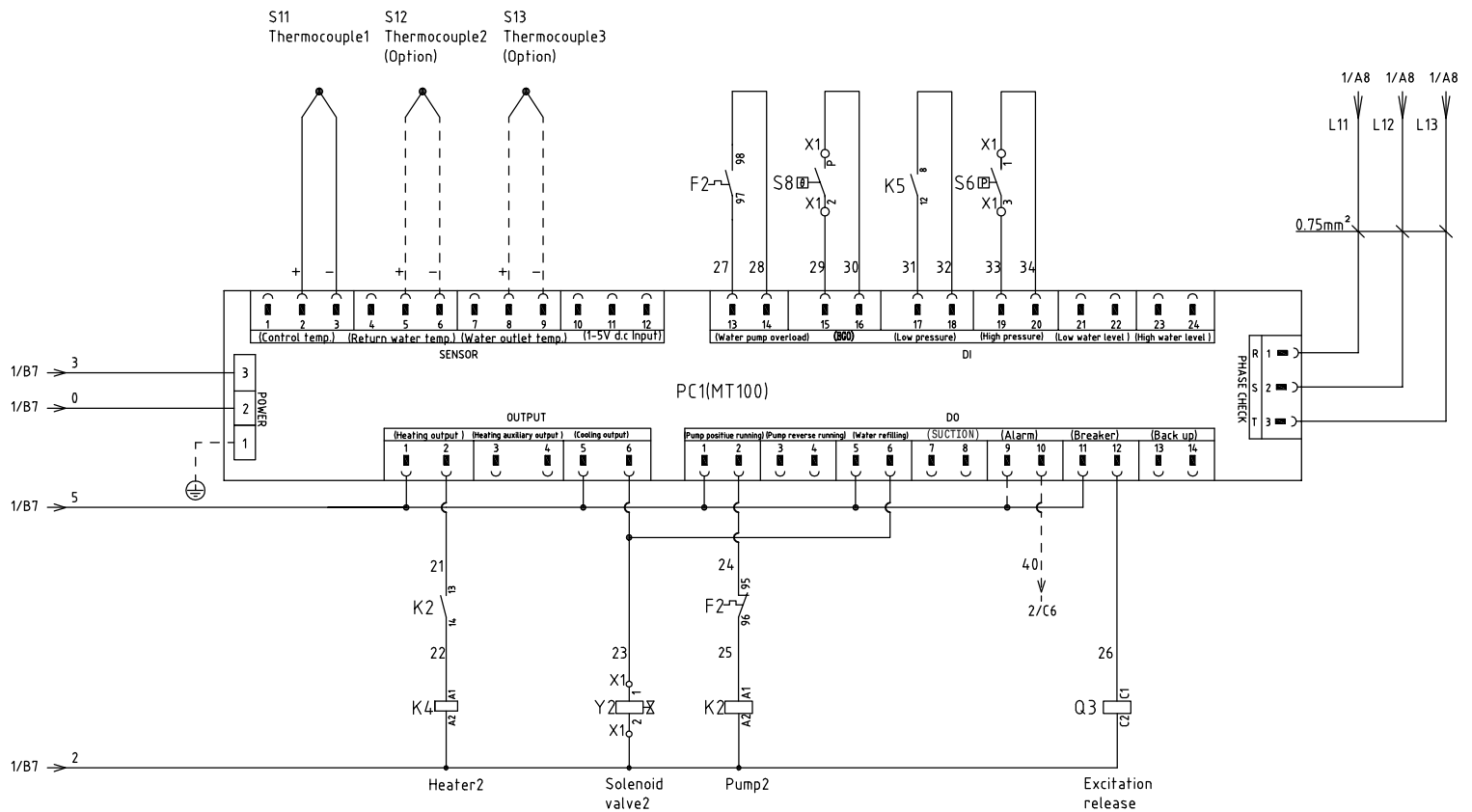
Mark	Before modification	After modification	Modified by	Modify date	Drawer		Version	F
					Designer		Approved by	
					Proofread by			
					Checked by		Date	20160720

Title: STM-607W-D
Control Circuit Diagram 1

Drawing NO.: STM-607W-D-CE-400V-F-2

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

Scale		Page	2
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	



STM-607W-D 版本 Ver.D

STM-607MW-D 版本 Ver.B

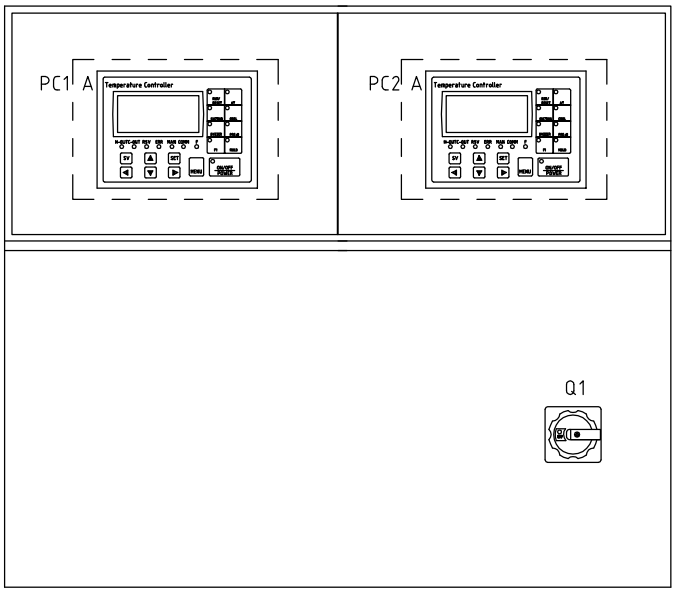
Mark	Before modification	After modification	Modified by	Modify date	Drawer		Version	F
					Designer		Approved by	
					Proofread by			
					Checked by		Date	20160720

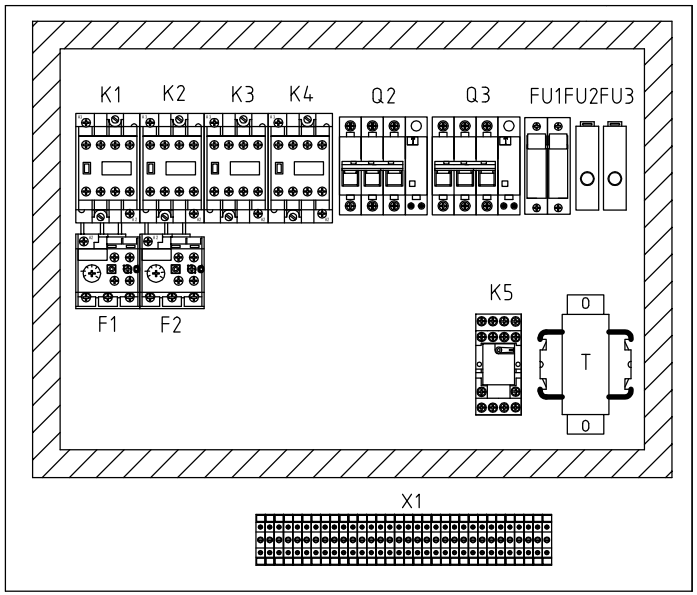
Title: STM-607W-D
Control Circuit Diagram 2

Drawing NO.: STM-607W-D-CE-400V-F-3

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

Scale		Page	3
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	





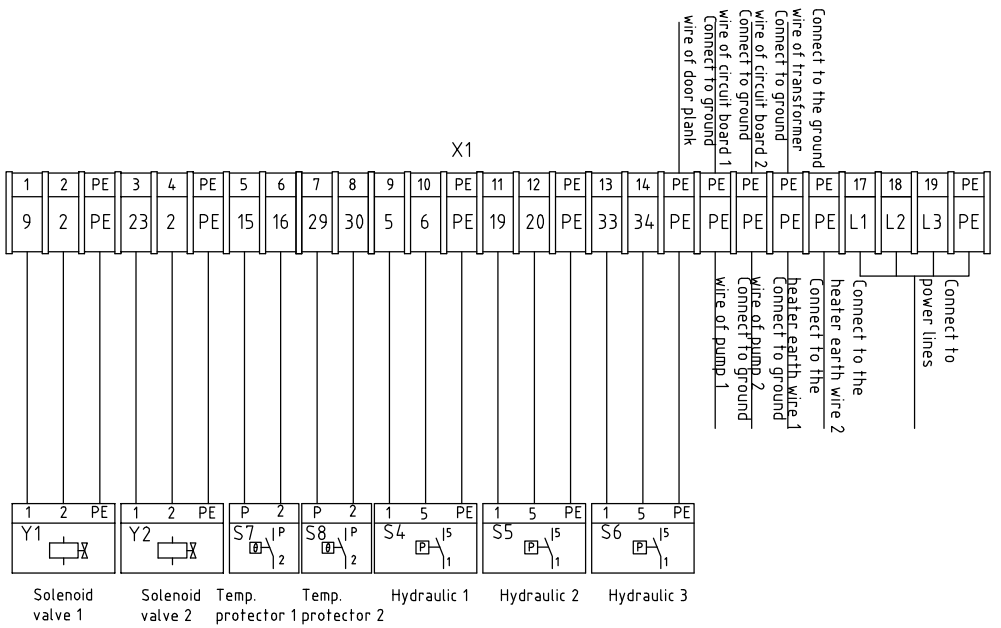
STM-607W-D 版本 Ver.D
STM-607MW-D 版本 Ver.B

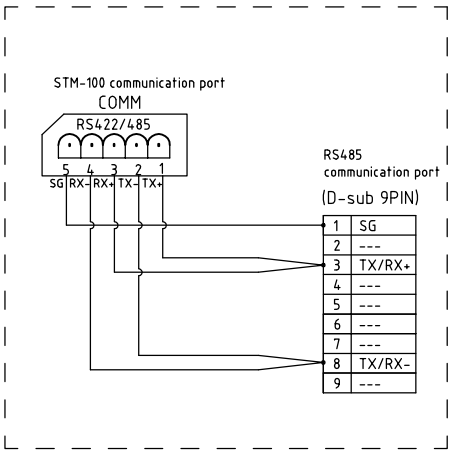
					Drawer		Version	F	Title: STM-607W-D Electrical Components Layout	Drawing NO.: STM-607W-D-CE-400V-F-4
					Designer		Approved by			
					Proofread by					
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20160720		

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

Scale		Page	4
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	

Technical requirements: (1) Positive (+) and negative (-) poles of thermocouple should be directly connected to thermocouple's input terminal of temperature controller . There is no need for them to go through the terminal board.
(2) Pump and pipe heater should be directly connected to the output terminals of contactor and thermal overload relay.e output terminals of contactor and thermal overload relay.





RS485 Communications wiring diagram
Note: this figure is only for reference which is no need of wiring.

STM-607W-D 版本 Ver.D
STM-607MW-D 版本 Ver.B

Mark	Before modification	After modification	Modified by	Modify date				
					Drawer		Version	F
					Designer		Approved by	
					Proofread by			
					Checked by		Date	20160720

Title: STM-607W-D Terminal Connection Diagram
Drawing NO.: STM-607W-D-CE-400V-F-5
Scale:
Page 5
Standard CE
Totally 7 Pages
Voltage 400V
Frequency 50Hz

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

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main Switch	EATON	P1-32/EA/SVB	32A	1	YE10323200000	
2	Q2 Q3	Circuit Breakers	TECO	BM-63C	16A	2	YE40301603000	
3		Excitation Release	YECO	MX	24VAC	2	YE40024000000	
4	K1 K2	Contactors	SIEMENS	3RT6015-1AB01	24VAC	2	YE00601502500	
5	K1 K2	Contactors	SIEMENS	3RT6015-1AB01	24VAC	2	YE00601502500	(4)
6	K3 K4	Contactors	SIEMENS	3RT6018-1AB01	24VAC	2	YE00601802500	
7	K5	Middle Relay	HONEYWELL	GR-2C-AC24V	24VAC	1	YE03022400300	
8	F1 F2	Thermo Overload Relays	SIEMENS	3RU6116-0KB0	0.9-1.25A	2	YE01160900000	
9	F1 F2	Thermo Overload Relays	SIEMENS	3RU6116-0KB0	0.9-1.25A	2	YE01160900000	(4)
10	T	Transformer	BAIYUN	IN=400V OUT=24VAC/230V	120VA/350MA	1	YE70040005500	
11	FU1	Fuse Base	CHNT	RT18-32	32A 2P	1	YE41032200000	
12		Fuse Core	MRO	10×38 500V	2A	2	YE46002000100	
13	FU2 FU3	Fuse	YINDA	FS-10	----	3	YE41001000000	
14		Fuse Core	----	6×30/5A	5A	1	YE46630500100	
15	PC1 A PC2 A	Circuit Board	HANYOUNGNUX	STM100-21	180~430V 50/60Hz	2	YE81184300200	
16	H1	Buzzer	APT	AD16-30M/W	24VAC	1	YE84163000000	(2)
17	S1 S11	Thermocouple	SHINI	----	----	2	----	(1)
18	S2 S3 S12 S13	Thermocouple	SHINI	----	----	4	----	(1)(3)
19	S7 S8	Overheat Protector	TONCEAO	----	----	2	----	(1)
20	S4 S5 S6	Hydraulic Switch	FANSHEN	----	----	3	----	(1)
21	Y1 Y2	Solenoid Valve	----	----	24VAC	2	----	(1)
22	X1	Terminal Board	HONEYWELL	2.5mm²	----	14	YE60002503200	
23		Terminal Board	HONEYWELL	2.5mm²PE	----	9	YE60002503400	
24		Terminal Board	HONEYWELL	6.0mm²	----	3	YE60000603200	

STM-607W-D 版本 Ver.D
STM-607MW-D 版本 Ver.B

Notes: (1)Means it's not the material inside the control box.(2)Means it's equipped with buzzer.(3)Means equipped with function of displaying water outlet and return water temperature (4)Means equipped with magnetic pump.

Mark	Before modification	After modification	Modified by	Modify date

Drawer		Version	F	
Designer		Approved by		
Proofread by				
Checked by		Date	20160720	

Title: STM-607W-D
Electrical Components List 1

Drawing NO.: STM-607W-D-CE-400V-F-6

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

Scale		Page	6
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
25		Terminal Board	HONEYWELL	6.0mm²PE	----	1	YE60000603500	
26	M1 M2	Motor	SHINI	TP-55	400V 50Hz 0.55kW	2	----	(1)
27	M1 M2	Motor	SHINI	MP-55	400V 50Hz 0.55kW	2	----	(1)(4)
28	EH1 EH2	Heater	SHINI	6kW	400V 50Hz	2	----	(1)

STM-607W-D 版本 Ver.D
STM-607MW-D 版本 Ver.B

Notes: (1)Means it's not the material inside the control box.(2)Means it's equipped with buzzer.(3)Means equipped with function of displaying water outlet and return water temperature (4)Means equipped with magnetic pump.

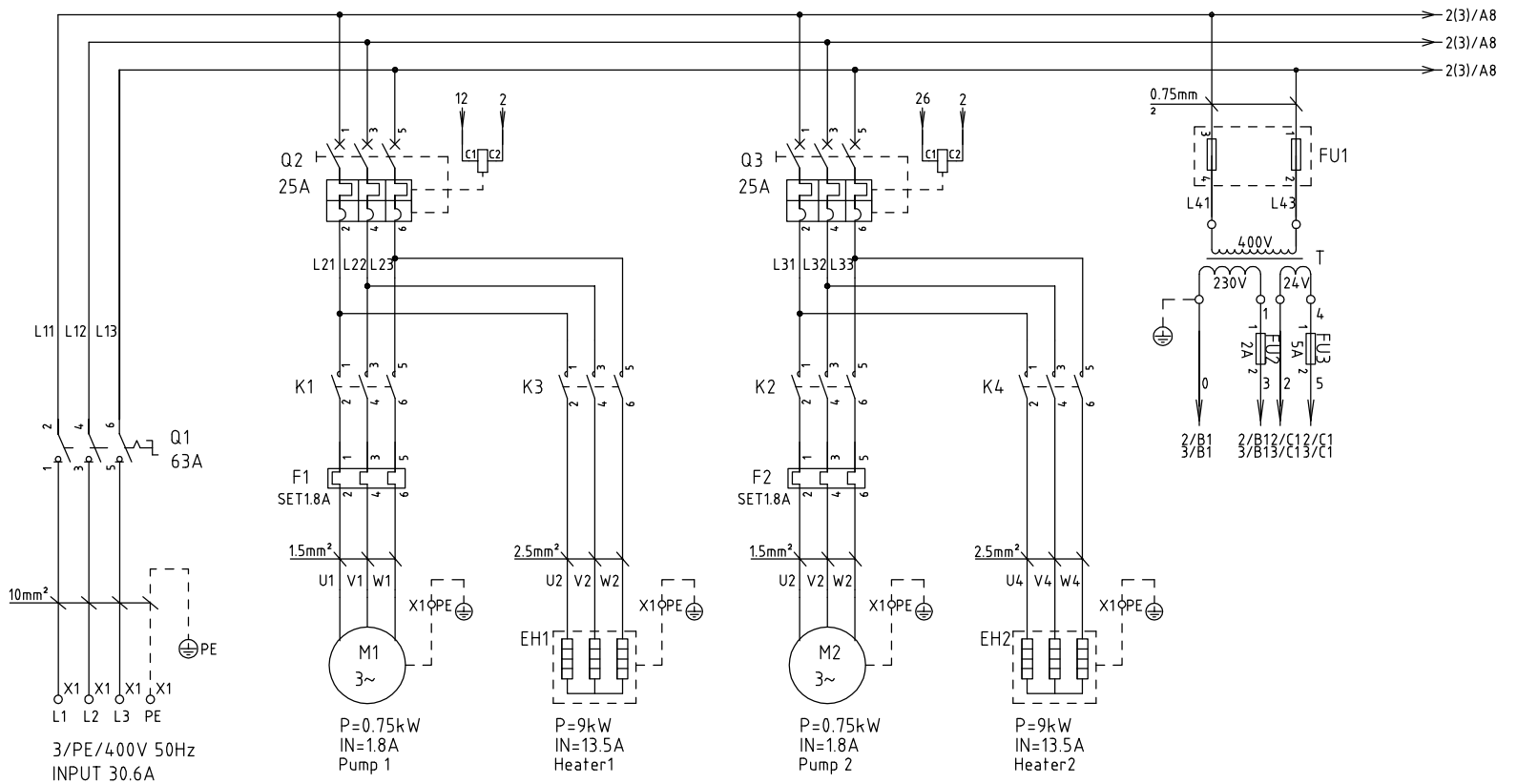
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Drawer		Version	F
							Designer		Approved by	
							Proofread by			
							Date	20160720		

Title: STM-607W-D
Electrical Components List 1

Drawing NO.: STM-607W-D-CE-400V-F-7

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

Scale		Page	7
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	



STM-910W-D 版本 Ver.D	When equipped with magnetic pump F1:SET 1.8A P=1.0KW IN=1.8A
STM-910MW-D 版本 Ver.B	When equipped with magnetic pump F2:SET 1.8A P=1.0KW IN=1.8A

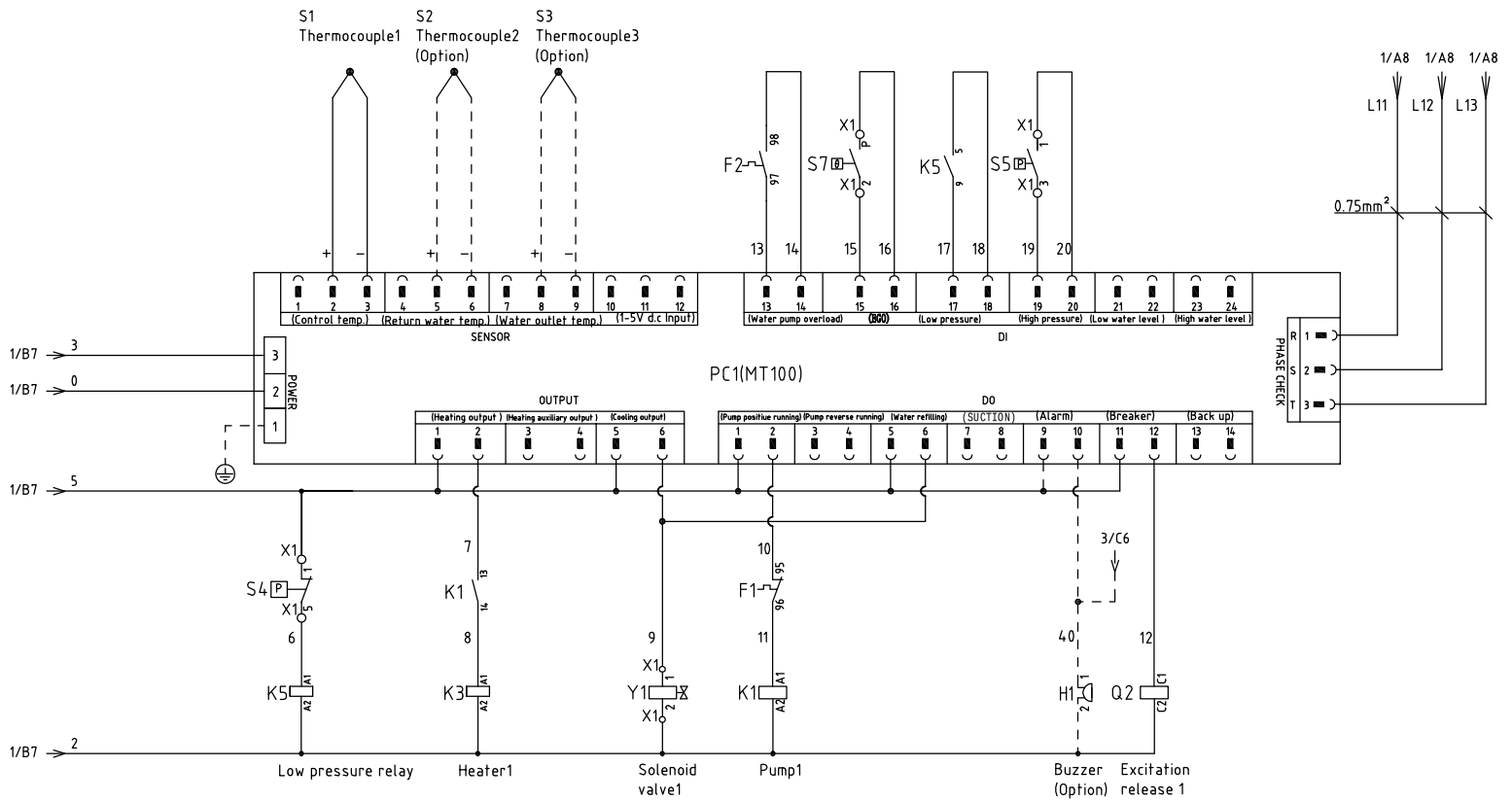
Mark	Before modification	After modification	Modified by	Modify date	Drawer		Version	F
					Designer		Approved by	
					Proofread by			
					Checked by		Date	20160720

Title: STM-910W-D
Main Circuit Diagram

Drawing NO.: STM-910W-D-CE-400V-F-1

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

Scale		Page	1
Standard	CE	Totally	7 Pages
Voltage	400V		
Frequency	50Hz		



STM-910W-D 版本 Ver.D

STM-910MW-D 版本 Ver.B

Mark	Before modification	After modification	Modified by	Modify date

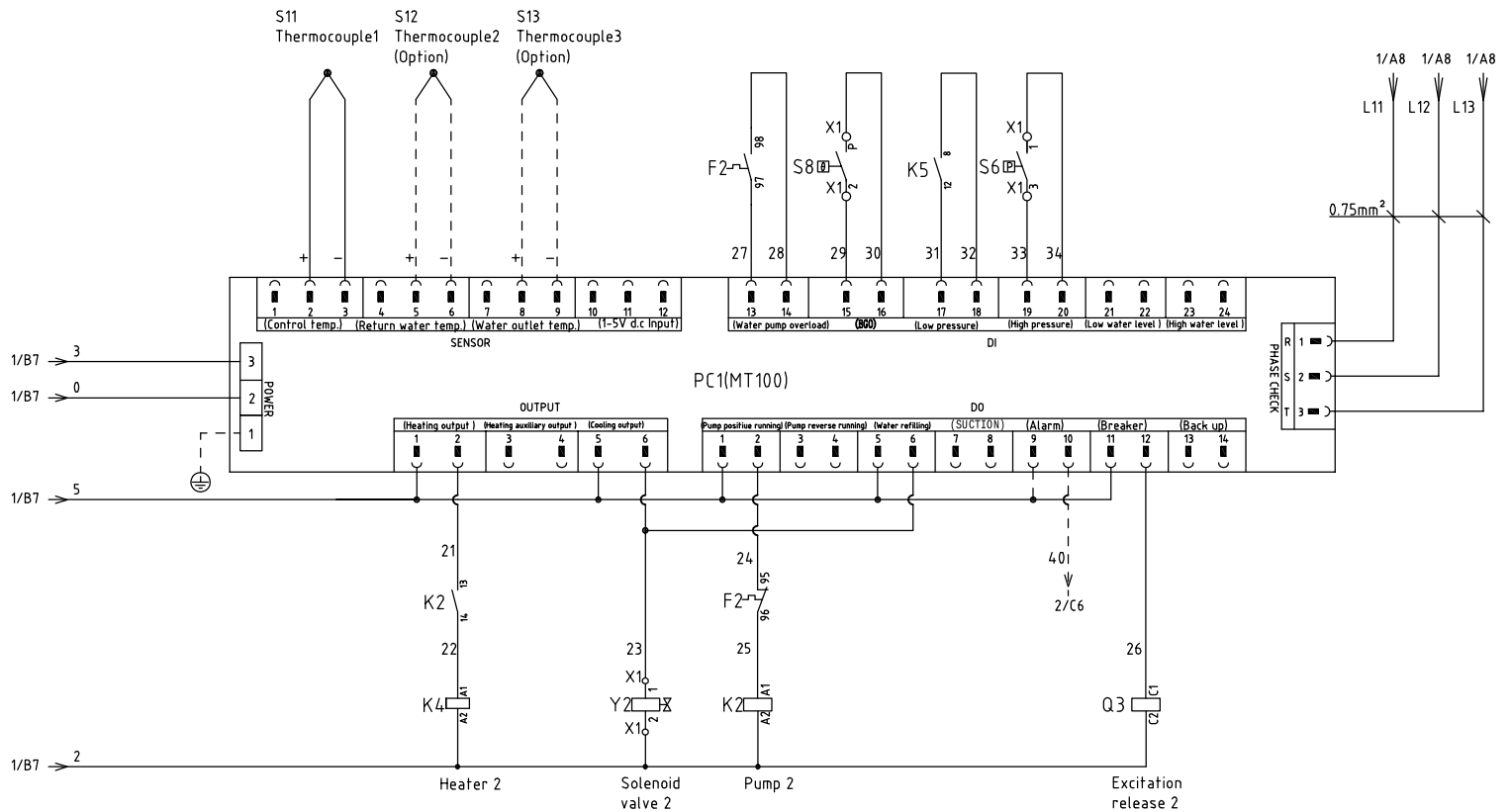
Drawer		Version	F		
Designer		Approved by			
Proofread by					
Checked by		Date	20160720		

Title: STM-910W-D
Control Circuit Diagram 1

Drawing NO.: STM-910W-D-CE-400V-F-2

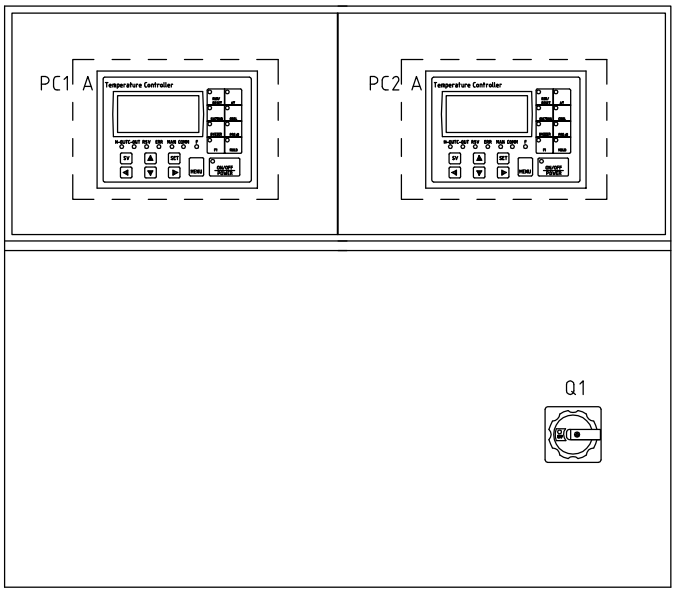
信易電熱機械股份有限公司
Shini Plastics Technologies, Inc.

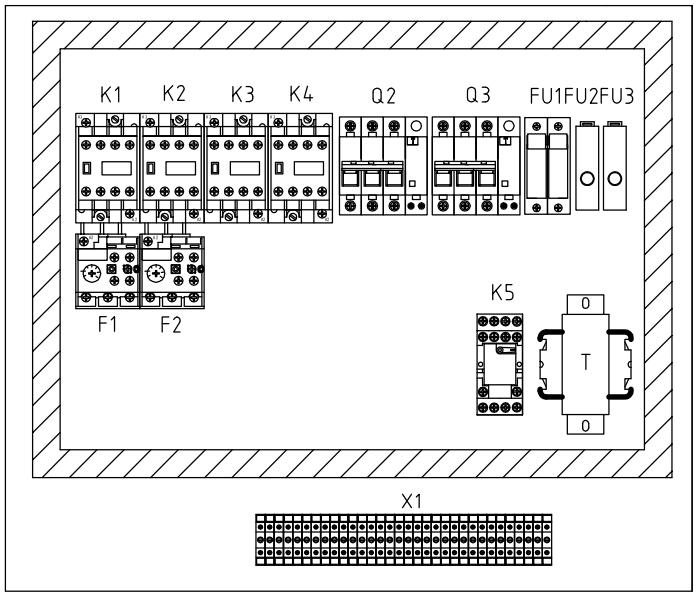
Scale		Page	2
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	



STM-910W-D 版本 Ver.D
STM-910MW-D 版本 Ver.B

					Drawer		Version	F	Title: STM-910W-D Control Circuit Diagram 2	Drawing NO.: STM-910W-D-CE-400V-F-3	Scale: Page 3
					Designer		Approved by				Standard: CE Totally 7 Pages
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage: 400V
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20160720			Frequency: 50Hz



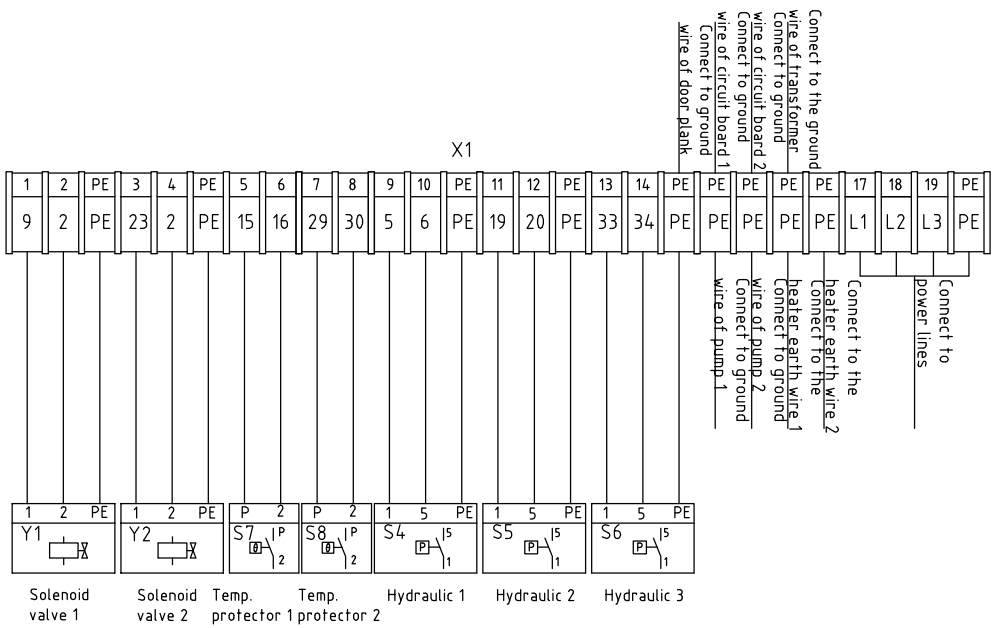


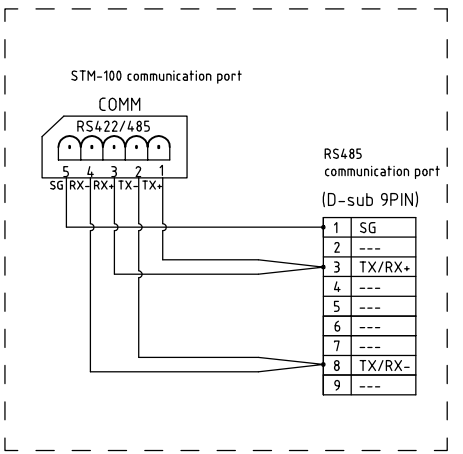
STM-910W-D 版本 Ver.D
STM-910MW-D 版本 Ver.B

					Drawer		Version	F	Title: STM-910W-D Electrical Components Layout	Drawing NO.: STM-910W-D-CE-400V-F-4
					Designer		Approved by			
					Proofread by				信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.	
Mark	Before modification	After modification	Modified by	Modify date	Checked by		Date	20160720		

Scale		Page	4
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	

Technical requirements: (1) Positive (+) and negative (-) poles of thermocouple should be directly connected to thermocouple's input terminal of temperature controller . There is no need for them to go through the terminal board.
(2) Pump and pipe heater should be directly connected to the output terminals of contactor and thermal overload relay.e output terminals of contactor and thermal overload relay.





RS485 Communications wiring diagram
Note: this figure is only for reference which is no need of wiring.

STM-910W-D 版本 Ver.D
STM-910MW-D 版本 Ver.B

Mark	Before modification	After modification	Modified by	Modify date	Drawer		Version	F
					Designer		Approved by	
					Proofread by			
					Checked by		Date	20160720

Title: STM-910W-D Terminal Connection Diagram
Drawing NO.: STM-910W-D-CE-400V-F-5
Scale:
Page 5
Standard CE
Totally 7 Pages
Voltage 400V
Frequency 50Hz

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

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
1	Q1	Main Switch	EATON	P3-63/EA/SVB	63A	1	YE10636300000	
2	Q2 Q3	Circuit Breakers	TECO	BM-63C	25A	2	YE40302503000	
3		Excitation Release	TECO	MX	24VAC	2	YE40024000000	
4	K1 K2	Contactors	SIEMENS	3RT6015-1AB01	24VAC	2	YE00601502500	
5	K1 K2	Contactors	SIEMENS	3RT6015-1AB01	24VAC	2	YE00601502500	(4)
6	K3 K4	Contactors	SIEMENS	3RT6025-1AC20	24VAC	2	YE00602502600	
7	K5	Middle Relay	HONEYWELL	GR-2C-AC24V	24VAC	1	YE03022400300	
8	F1 F2	Thermo Overload Relays	SIEMENS	3RU6116-1CB0	1.8-2.5A	2	YE01160180000	
9	F1 F2	Thermo Overload Relays	SIEMENS	3RU6116-1CB0	1.8-2.5A	2	YE01160180000	(4)
10	T	Transformer	BAIYUN	IN=400V OUT=24VAC/230V	120VA/350MA	1	YE70040005500	
11	FU1	Fuse Base	CHNT	RT18-32	32A 2P	1	YE41032200000	
12		Fuse Core	MRO	10×38 500V	2A	2	YE46002000100	
13	FU2 FU3	Fuse	YINDA	FS-10	----	2	YE41001000000	
14		Fuse Core	----	6×30/5A	5A	1	YE46630500100	
15	PC1 A PC2 A	Circuit Board	HANYOUNGNUX	STM100-21	180~430V 50/60Hz	2	YE81184300200	
16	H1	Buzzer	APT	AD16-30M/W	24VAC	1	YE84163000000	(2)
17	S1 S11	Thermocouple	SHINI	----	----	2	----	(1)
18	S2 S3 S12 S13	Thermocouple	SHINI	----	----	4	----	(1)(3)
19	S7 S8	Overheat Protector	TONCEAO	----	----	2	----	(1)
20	S4 S5 S6	Hydraulic Switch	FANSHEN	----	----	3	----	(1)
21	Y1 Y2	Solenoid Valve	----	----	24VAC	2	----	(1)
22	X1	Terminal Board	HONEYWELL	2.5mm²	----	14	YE60002503200	
23		Terminal Board	HONEYWELL	2.5mm²PE	----	9	YE60002503400	
24		Terminal Board	HONEYWELL	10.0mm²	----	3	YE60001003200	

STM-910W-D 版本 Ver.D
STM-910MW-D 版本 Ver.B

Notes: (1)Means it's not the material inside the control box.(2)Means it's equipped with buzzer.(3)Means equipped with function of displaying water outlet and return water temperature (4)Means equipped with magnetic pump.

Mark	Before modification	After modification	Modified by	Modify date

Drawer		Version	F	
Designer		Approved by		
Proofread by				
Checked by		Date	20160720	

Title: STM-910W-D
Electrical Components List 1

Drawing NO.: STM-910W-D-CE-400V-F-6

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

Scale		Page	6
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	

NO.	Symbol	Name	Manufacturer	Type	Specification	Number	Material number	Remark
25		Terminal Board	HONEYWELL	10.0mm²PE	----	1	YE60001003500	
26	M1 M2	Motor	SHINI	TP-75	400V 50Hz 0.75kW	2	----	(1)
27	M1 M2	Motor	SHINI	MP-100	400V 50Hz 1.0kW	2	----	(1)(4)
28	EH1 EH2	Heater	SHINI	9kW	400V 50Hz	2	----	(1)

STM-910W-D 版本 Ver.D
STM-910MW-D 版本 Ver.B

Notes: (1)Means it's not the material inside the control box.(2)Means it's equipped with buzzer.(3)Means equipped with function of displaying water outlet and return water temperature (4)Means equipped with magnetic pump.

Mark	Before modification	After modification	Modified by	Modify date	Checked by		Drawer		Version	F
							Designer		Approved by	
							Proofread by			
					Date	20160720				

Title: STM-910W-D
Electrical Components List 2

Drawing NO.: STM-910W-D-CE-400V-F-7

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

Scale		Page	7
Standard	CE	Totally	7 Pages
Voltage		400V	
Frequency		50Hz	