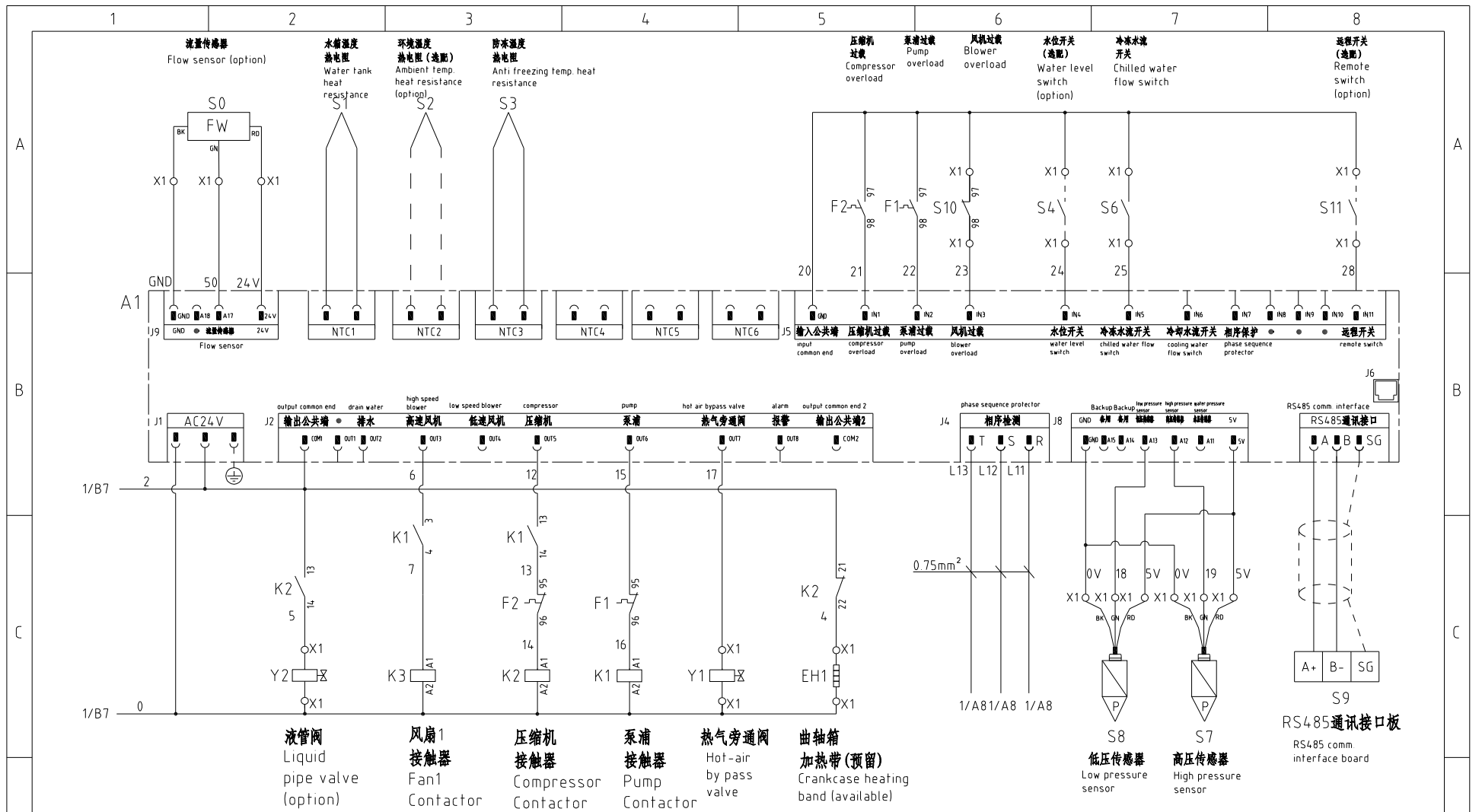


机型版本 Ver.A

| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|---|------------|----------|------------------------|------|--------|-------|
| | | | | 制图 | 版号 | 0 | 标题 | SIC-15A-R2 | 图号 | SIC-15A-R2-UL-460V-0-1 | 比例 | 第 1 张 | |
| | | | | 设计 | 核准 | | 主电路图 | | | | 标准 | UL | 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 | 3φ460V | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | | | 20230228 | 机器频率 | 60Hz | | |

1 2 3 4 5 6 7 8



机型版本 Ver.A

| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|--|---------------------------|--|--------|----------|
| | | | | 制图 | | 版号 | 0 | 标题 SIC-15A-R2 | | 图号 SIC-15A-R2-UL-460V-0-2 | | 比例 | 第 2 张 |
| | | | | 设计 | | 核准 | | 控制电路图 | | | | 标准 | UL 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 | | 3φ460V | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | 机器频率 | | 60Hz | |

1

2

3

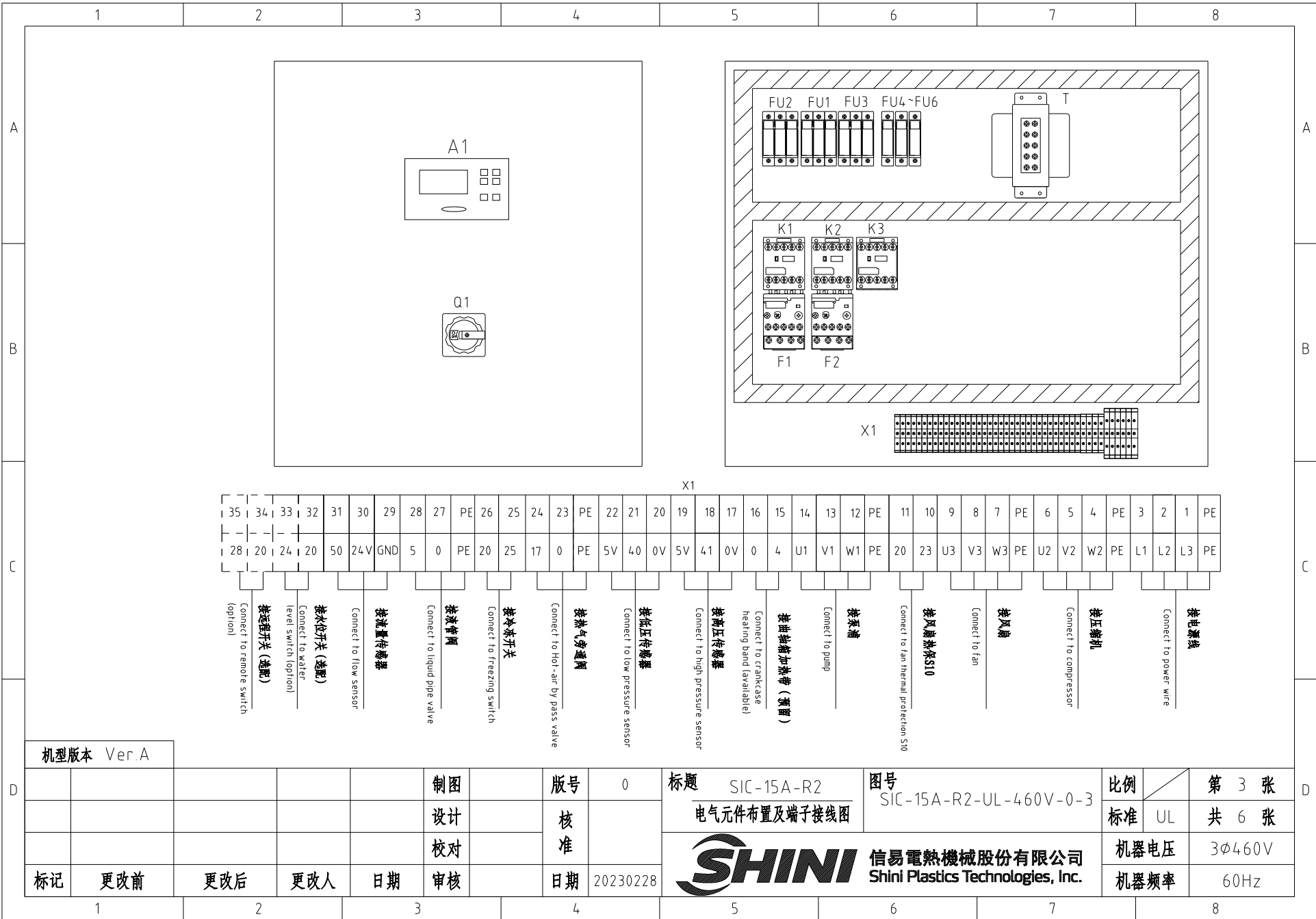
4

5

6

7

8



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|
| 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | PE | 26 | 25 | 24 | 23 | PE | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | PE | 11 | 10 | 9 | 8 | 7 | PE | 6 | 5 | 4 | PE | 3 | 2 | 1 | PE | | | | |
| 28 | 20 | 24 | 20 | 50 | 24V | GND | 5 | 0 | PE | 20 | 25 | 17 | 0 | PE | 5V | 40 | 0V | 5V | 41 | 0V | 0 | 4 | U1 | V1 | W1 | PE | 20 | 23 | U3 | V3 | W3 | PE | U2 | V2 | W2 | PE | L1 | L2 | L3 | PE | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

机型版本 Ver.A

| | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|------|----|----------|---|------------|------|--------|------------------------|----|----|-------|--|
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 制图 | 版号 | 0 | 标题 | SIC-15A-R2 | | 图号 | SIC-15A-R2-UL-460V-0-3 | | 比例 | 第 3 张 | |
| | | | | | 设计 | 核准 | | 电气元件布置及端子接线图 | | | | 标准 | UL | | 共 6 张 | |
| | | | | | 校对 | 日期 | 20230228 | SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc. | | 机器电压 | 3φ460V | | | | | |
| | | | | 审核 | 机器频率 | | | | | 60Hz | | | | | | |

1 2 3 4 5 6 7 8

A

A

B

B

C

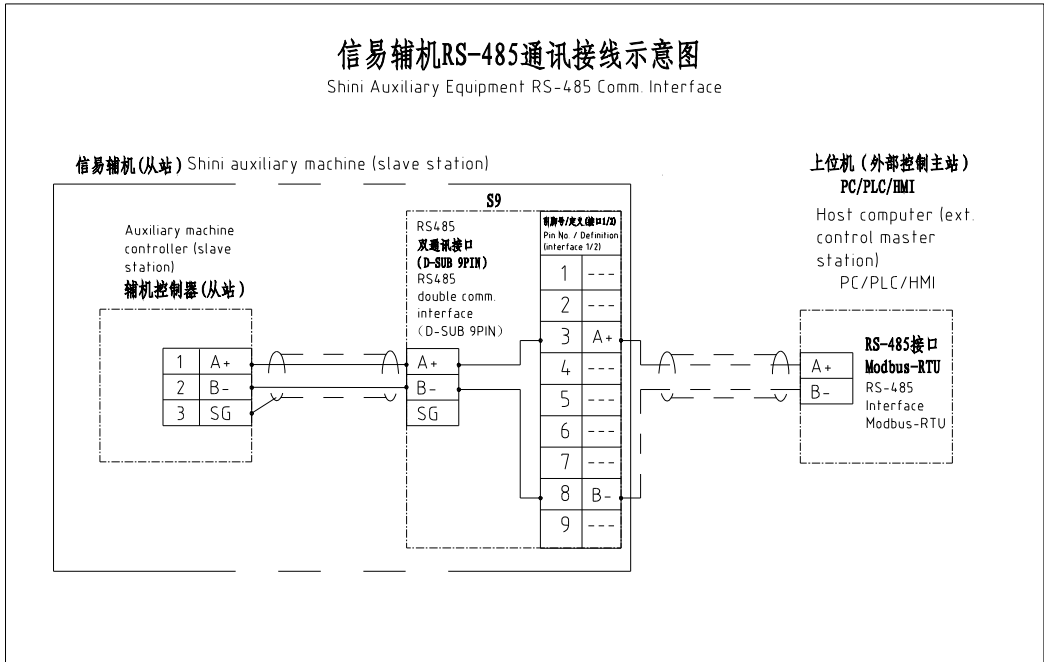
C

D

D

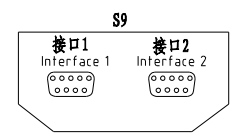
信易辅机RS-485通讯接线示意图

Shini Auxiliary Equipment RS-485 Comm. Interface



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.

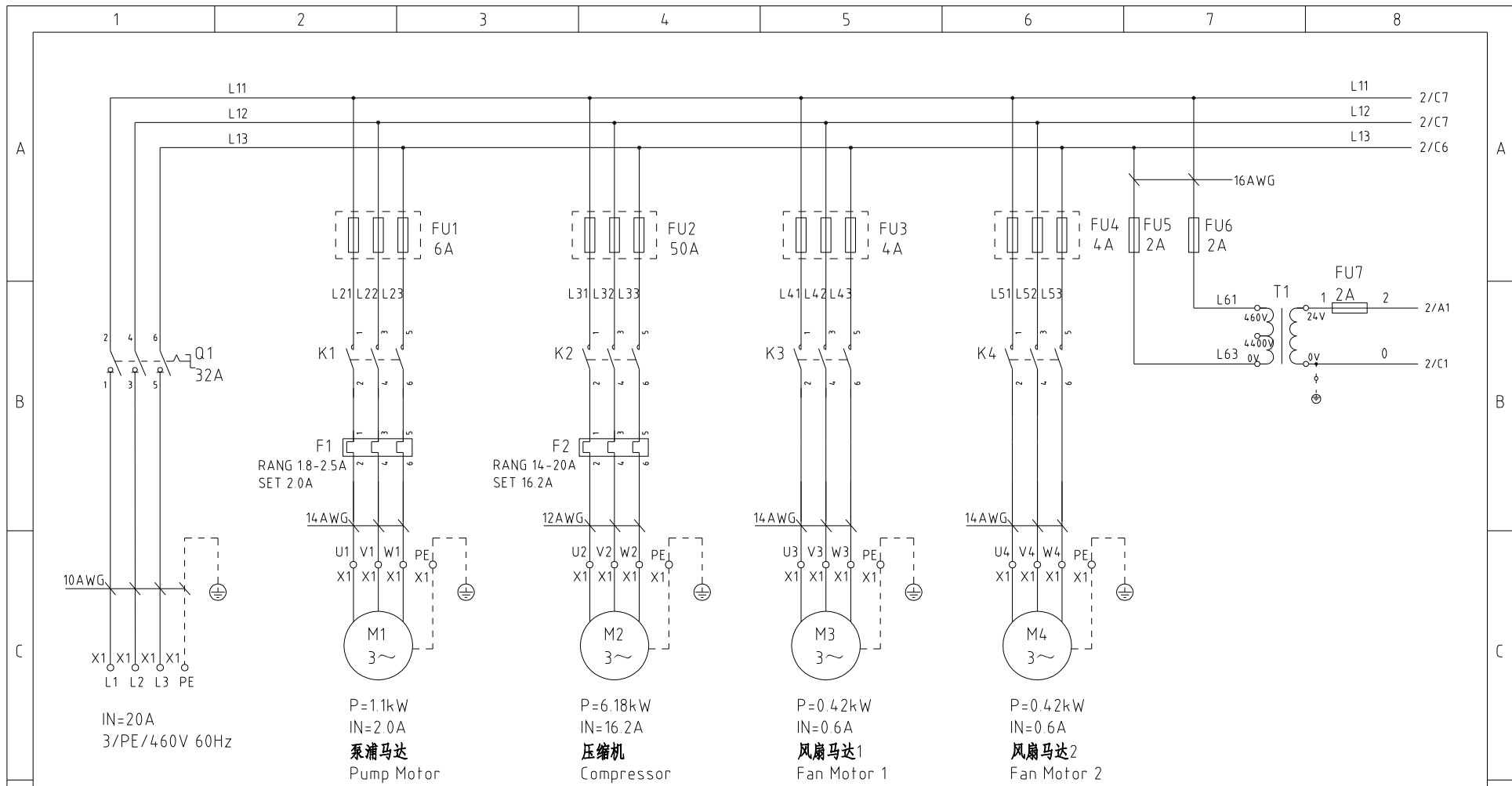
机型版本 Ver.A

| | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|----|-------|---|---|------------------------|------|----------|
| | | | | | | 制图 | 版号 | 0 | 标题 | SIC-15A-R2 | 图号 | SIC-15A-R2-UL-460V-0-4 | 比例 | 第 4 张 |
| | | | | | | 设计 | 核 准 | 日期 | 通讯接线图 | | SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | 标准 | UL | 共 6 张 |
| | | | | | | 校对 | | | | | | | 日期 | 20230228 |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | | 机器频率 | 60Hz | |

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 | | TO-2-1/EA/SVB | | 20A | | ---- | 1 | YE10021160000 | | | |
| | 2 | FU1 | 熔断器/Fuse | | WOHNER | | 31113/3P | | 32A/690V/10×38 | | ---- | 1 | YE41320300100 | | | |
| | 3 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 6A | | ---- | 3 | YE46006000000 | | | |
| | 4 | FU2 | 熔断器/Fuse | | WOHNER | | 31113 3P | | 32A/690V/10×38 | | ---- | 1 | YE41320300100 | | | |
| | 5 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 20A | | ---- | 3 | YE46020000000 | | | |
| | 6 | FU3 | 熔断器/Fuse | | WOHNER | | 31113/3P | | 32A/690V/10×38 | | ---- | 1 | YE41320300100 | | | |
| | 7 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 4A | | ---- | 3 | YE46004000000 | | | |
| B | 8 | FU4 FU5 FU6 | 熔断器/Fuse | | WOEHNER | | 31110/1P/32A | | 690V/10×38 | | ---- | 3 | YE46002000300 | | | |
| | 9 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 2A | | ---- | 3 | YE46002000000 | | | |
| | 10 | K1 K3 | 接触器/Contactor | | SIEMENS | | 3RT6015-1AB01 | | 24 VAC | | ---- | 2 | YE00601502500 | | | |
| | 11 | K2 | 接触器/Contactor | | SIEMENS | | 3RT6017-1AB01 | | 24 VAC | | ---- | 1 | YE00601702500 | | | |
| | 12 | | 辅助触点/Auxiliary contactor | | SIEMENS | | 3RH6911-1HA11 | | 1NO+1NC | | ---- | 1 | YE00691100100 | | | |
| | 13 | F1 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6116-1CB0 | | 1.8-2.5A | | ---- | 1 | YE01160180000 | | | |
| | 14 | F2 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6116-4JB0 | | 7-10A | | ---- | 1 | YE01167100000 | | | |
| C | 15 | A1 | 控制器/Controller | | PUNP | | 压缩机控制器 (Controller of single-compressor chiller SF3050A) | | AC 24V | | ---- | 1 | YE80317506700 | | | |
| | 16 | S0 | 流量传感器/Flow sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | | |
| | 17 | S1 S3 | 防冻温度热电阻/Anti-frozen RTD | | PUNP | | RTD | | 4X85 4M 1/4PT | | ---- | 2 | YE90001400700 | | | |
| | 18 | T | 变压器/Transformer | | JIUXIN | | IN=460V 440V OUT=24V | | 120VA | | ---- | 1 | YE70044005900 | | | |
| | 19 | S4 | 水位开关/Water level switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) (2) | |
| | 20 | S6 | 冷冻水流开关/Chilled water flow switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | |
| | 21 | S7 | 高压传感器/High pressure sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | |
| | 22 | S8 | 低压传感器/Low pressure sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | |
| | 23 | S9 | 通信接口板RS-485 (双Dsub-9pin接头) Communication interface board RS-485 (double Dsub-9pin connector) | | ---- | | ---- | | ---- | | ---- | 1 | YE90048501200 | | (1) | |
| | 24 | | 外壳RS485 (SAL-700G-A-19) 0版 Shell RS485(SAL-700G-A-19)0 | | ---- | | ---- | | ---- | | ---- | 1 | YR40048500000 | | (1) | |
| | 25 | S11 | 远程开关/Remote switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) (3) | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关。 Notes: (1)Materials not in the control box, (2)Optional water level switch, (3)Optional remote switch | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 0 | | 标题 SIC-15A-R2 | | 图号 SIC-15A-R2-UL-460V-0-5 | | 比例 | | 第 5 张 | |
| | | | | | 设计 | | 核 准 | | 电气元件明细表一 | | | | 标准 UL | | 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 | | 3φ460V | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | | | 日期 | | 机器频率 | | 60Hz | |
| 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 | 26 | X1 | 端子排/Terminal board | | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 19 | YE60002503200 | | | |
| | 27 | | 接地端子排/Grounding terminal board | | | HONEYWELL | | GK2.5PE | | 2.5mm ² PE | | ---- | 5 | YE60002503400 | | | |
| | 28 | | 端子排/Terminal board | | | HONEYWELL | | SK4 | | 4.0mm ² | | ---- | 12 | YE60000403200 | | | |
| | 29 | | 接地端子排/Grounding terminal board | | | HONEYWELL | | GK5PE | | 4.0mm ² | | ---- | 1 | YE60000403500 | | | |
| | 30 | | 终端固定件E/GK系列(霍尼韦尔) Terminal fittings E/GK series(honeywell) | | | HONEYWELL | | ---- | | ---- | | ---- | 6 | YE60000003900 | | | |
| | 31 | | 端子排/Terminal board | | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (2) | |
| | 32 | | 端子排/Terminal board | | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (3) | |
| | 33 | Y1 | 电磁阀/Solenoid valve | | | ---- | | ---- | | 24VAC | | ---- | 1 | ---- | | (1) | |
| 34 | Y2 | 电磁阀/Solenoid valve | | | ---- | | ---- | | 24VAC | | ---- | 1 | ---- | | (1) | | |
| B | 35 | M1 | 泵浦马达/Pump motor | | | ---- | | ---- | | 460V 60Hz 1.5KW | | ---- | 1 | ---- | | (1) | |
| | 36 | M2 | 压缩机/Compressor | | | ---- | | ---- | | 460V 60Hz 3.8kW | | ---- | 1 | ---- | | (1) | |
| | 37 | M3 | 风扇马达/Fan motor | | | ---- | | ---- | | 460V 60Hz 0.42kW | | ---- | 1 | ---- | | (1) | |
| | 38 | EH1 | 曲轴箱加热带/Crankcase heating band | | | ---- | | ---- | | 24VAC 35W | | ---- | 1 | ---- | | (1) | |
| | C | | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | | | |
| Notes: (1)Materials not in the control box, (2)Optional water level switch, (3)Optional remote switch. | | | | | | | | | | | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关. | | | | | | | | | | | | | | | |
| | | | | | | 制图 | | 版号 0 | | 标题 SIC-15A-R2 | | 图号 SIC-15A-R2-UL-460V-0-6 | | 比例 | | 第 6 张 | |
| | | | | | | 设计 | | 核 准 | | 电气元件明细表二 | | 标准 UL | | | | 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 | | 3φ460V | | | |
| 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 日期 20230228 | | 机器频率 | | 60Hz | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | | |



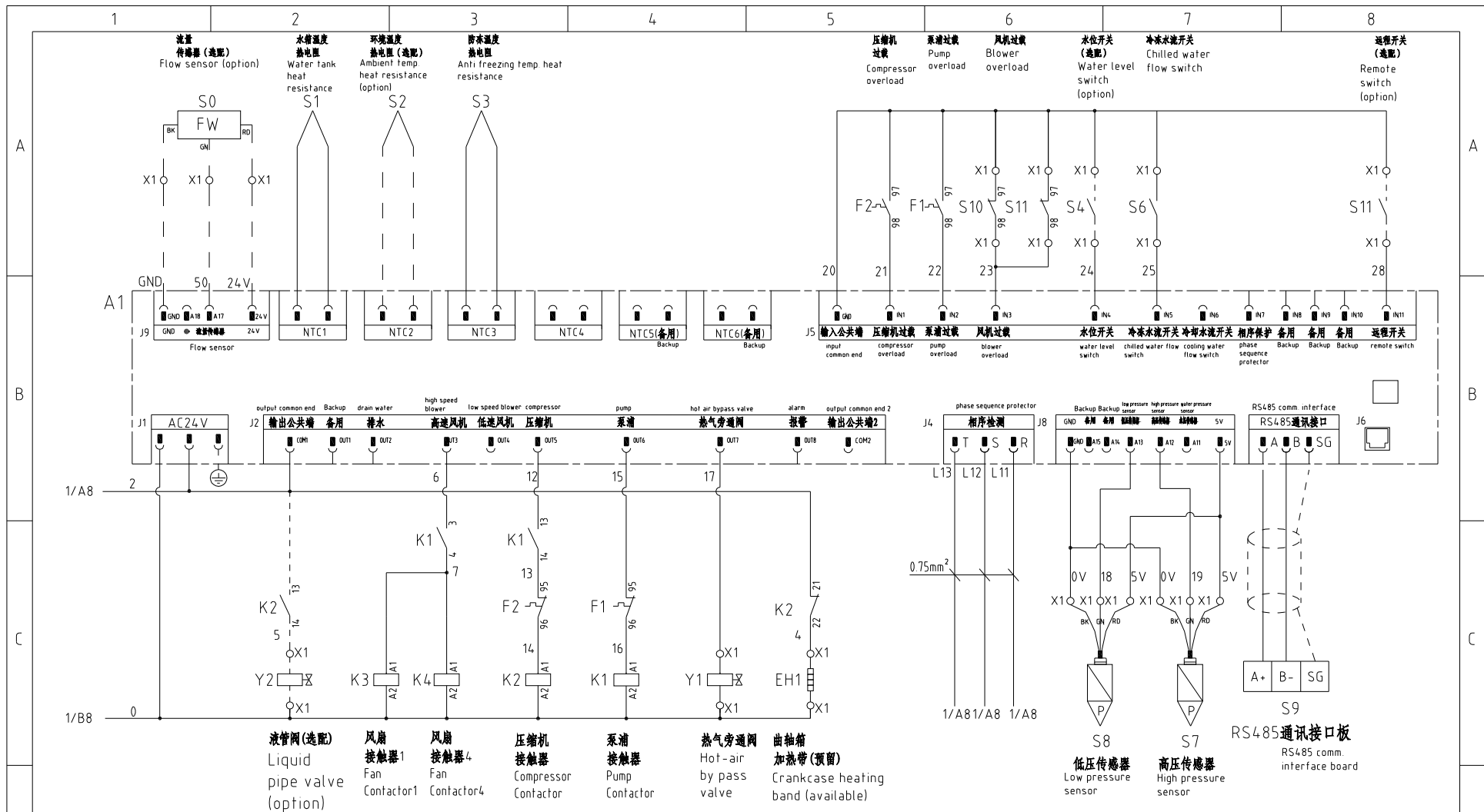
Note: When the main power voltage is 440V, the input terminal of the control transformer must be connected to the terminal of 440V power.

注：当主电源电压为440V时，控制变压器的输入端须接到440V端子

机型版本 Ver.A

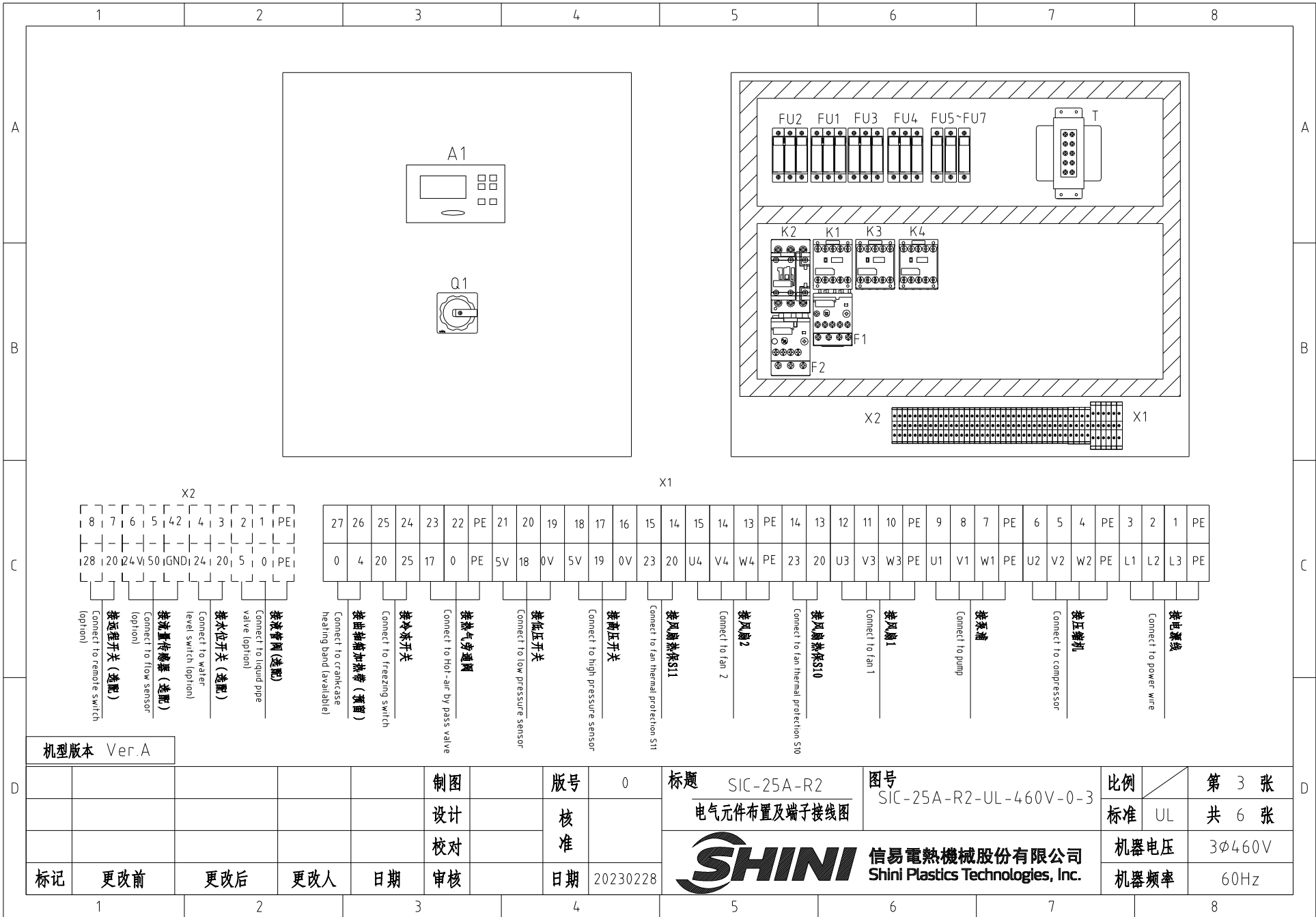
| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|------------|--------|------------------------|-------|-------|
| | | | | | 制图 | 版号 | 0 | 标题 | SIC-25A-R2 | 图号 | SIC-25A-R2-UL-460V-0-1 | 比例 | 第 1 张 |
| | | | | | 设计 | 核准 | | 主电路图 | | 标准 | UL | 共 6 张 | |
| | | | | | 校对 | 日期 | 20230228 | 信易电热机械股份有限公司 Shini Plastics Technologies, Inc. | 机器电压 | 3φ460V | | | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | | | | 机器频率 | 60Hz | | | |

1 2 3 4 5 6 7 8



机型版本 Ver.A

| | | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|--------|---|-------|------------|----|------------------------|----|----------|---|
| | | | | | | 制图 | 版号 | 0 | 标题 | SIC-25A-R2 | 图号 | SIC-25A-R2-UL-460V-0-2 | 比例 | 第 2 张 | |
| | | | | | | 设计 | 核 准 | | 控制电路图 | | | | 标准 | UL | 共 6 张 |
| | | | | | | 校对 | | | | | | | 日期 | 20230228 | SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc. |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | |



机型版本 Ver.A

| | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 制图 | 版号 | 0 |
| | | | | | 设计 | 核准 | |
| | | | | | 校对 | | |
| | | | | | 审核 | 日期 | 20230228 |

标题 SIC-25A-R2
 电气元件布置及端子接线图

图号 SIC-25A-R2-UL-460V-0-3

比例 第 3 张
 标准 UL 共 6 张

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

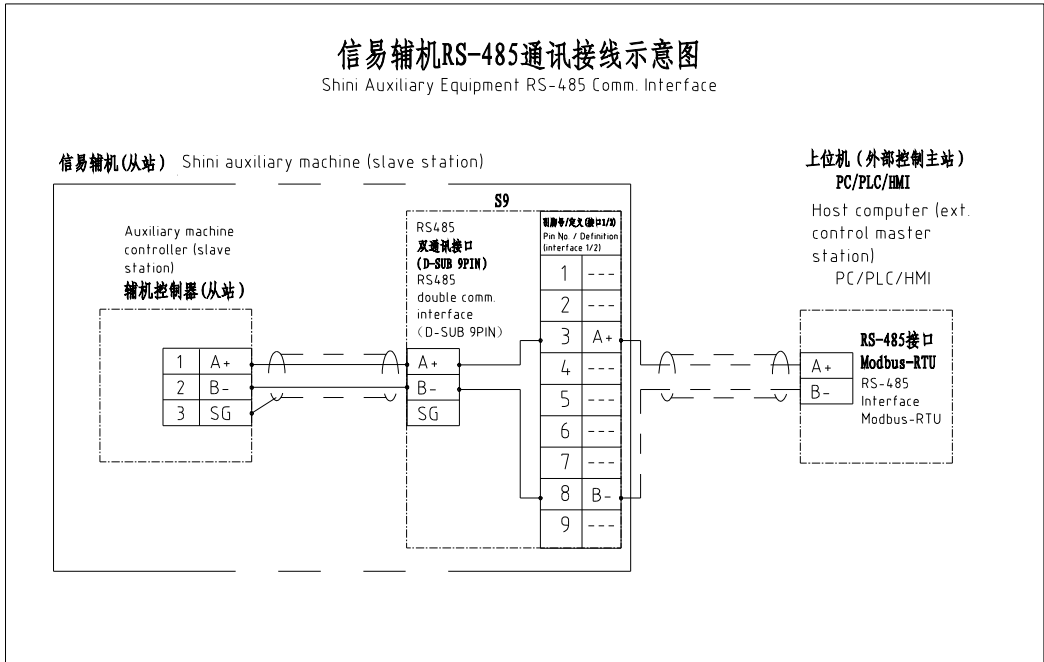
机器电压 3φ460V
 机器频率 60Hz

A

A

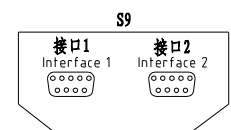
信易辅机RS-485通讯接线示意图

Shini Auxiliary Equipment RS-485 Comm. Interface



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.

B

B

C

C

机型版本 Ver.A

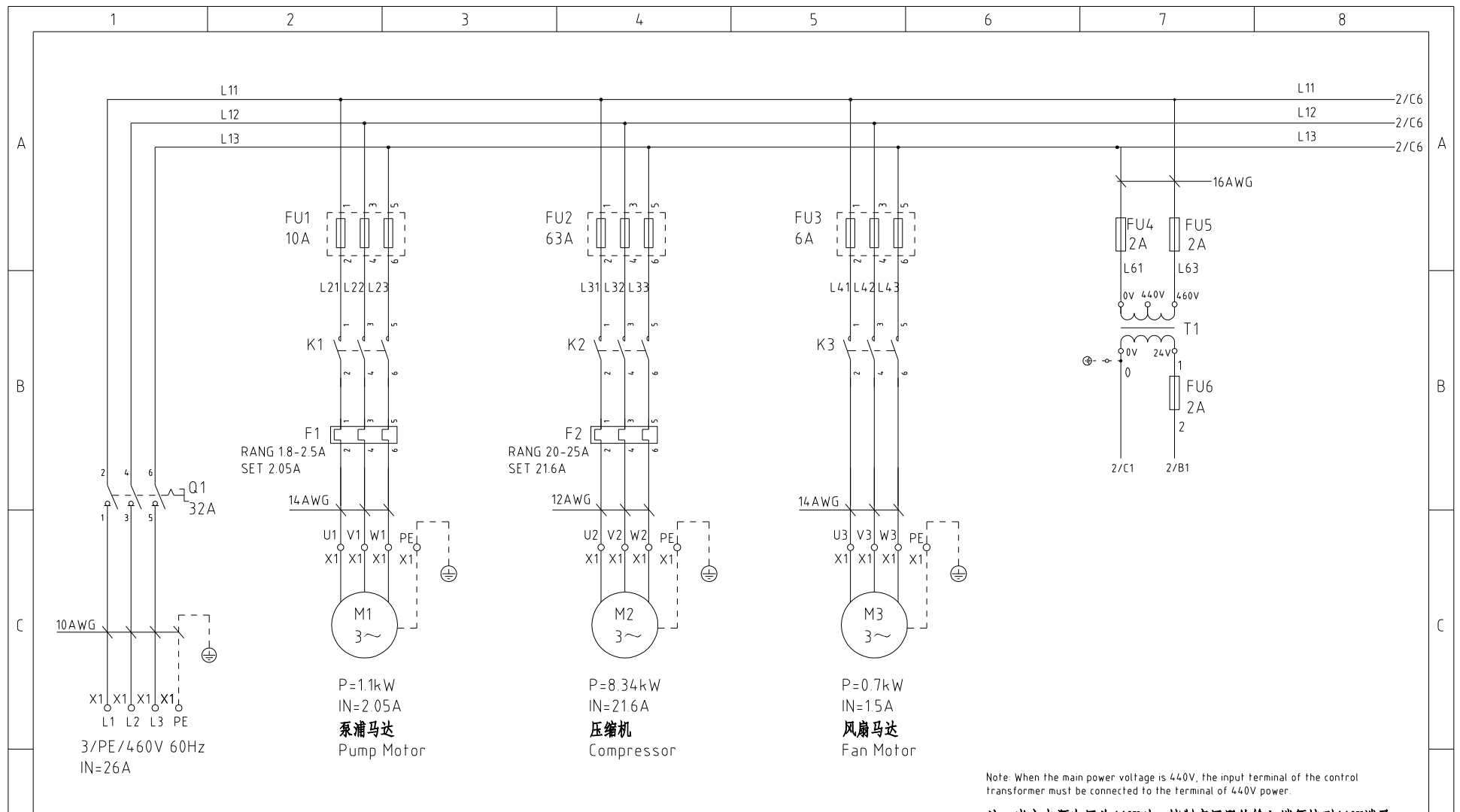
| | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|-------|------------|---|------------------------|------|--------|
| | | | | | | 制图 | 版号 | 0 | 标题 | SIC-25A-R2 | 图号 | SIC-25A-R2-UL-460V-0-4 | 比例 | 第 4 张 |
| | | | | | | 设计 | 核 准 | | 通讯接线图 | | SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | 标准 | UL | 共 6 张 |
| | | | | | | 校对 | | | | | | | 机器电压 | 3φ460V |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | | | 机器频率 | 60Hz | |

D

D

| 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 | | P1-32/EA/SVB | | 32A | | ---- | 1 | YE10323200000 | | | |
| | 2 | FU1 | 熔断器/Fuse | | WOHNER | | 31113/3P | | 32A/690V/10×38 | | ---- | 1 | YE41320300100 | | | |
| | 3 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 6A | | ---- | 3 | YE46006000000 | | | |
| | 4 | FU2 | 熔断器/Fuse | | WOHNER | | 31118 3P | | 50A/690V | | ---- | 1 | YE41063300100 | | | |
| | 5 | | 熔断器芯/Fuse Core | | MRO | | (14×51)660V | | 50A | | ---- | 3 | YE46050000000 | | | |
| | 6 | FU3 FU4 | 熔断器/Fuse | | WOHNER | | 31113/3P | | 32A/690V/10×38 | | ---- | 2 | YE41320300100 | | | |
| | 7 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 4A | | ---- | 6 | YE46004000000 | | | |
| B | 8 | FU5 FU6 FU7 | 熔断器/Fuse | | WOEHNER | | 31110/1P/32A | | 690V/10×38 | | ---- | 3 | YE46002000300 | | | |
| | 9 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 2A | | ---- | 3 | YE46002000000 | | | |
| | 10 | K1 K3 K4 | 接触器/Contactor | | SIEMENS | | 3RT6016-1AB01 | | 24 VAC | | ---- | 3 | YE00601602500 | | | |
| | 11 | K2 | 接触器/Contactor | | SIEMENS | | 3RT6027-1AC20 | | 24 VAC | | ---- | 1 | YE00602702600 | | | |
| | 12 | | 辅助触点/Auxiliary contactor | | SIEMENS | | 3RH6911-1HA11 | | 1NO+1NC | | ---- | 1 | YE00691100100 | | | |
| | 13 | F1 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6116-1CB0 | | 1.8-2.5A | | ---- | 1 | YE01160180000 | | | |
| | 14 | F2 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6126-4BB0 | | 14-20A | | ---- | 1 | YE01260140000 | | | |
| C | 15 | A1 | 控制器/Controller | | PUNP | | 变频控制器 Controller of single-compressor chiller SF3050A | | AC 24V | | ---- | 1 | YE80317506700 | | | |
| | 16 | S1 S3 | 防冻温度热电阻/Anti-frozen RTD | | PUNP | | RTD | | 4X85 4M 1/4PT | | ---- | 2 | YE90001400700 | | | |
| | 17 | T | 变压器/Transformer | | JIUXIN | | IN=460V 440V OUT=24V | | 120VA | | ---- | 1 | YE70044005900 | | | |
| | 18 | S0 | 流量传感器/Flow sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) (3) | |
| | 19 | S4 | 水位开关/Water level switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) (4) | |
| | 20 | S6 | 冷冻水流开关/Chilled water flow switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | |
| | 21 | S7 | 高压传感器/High pressure sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | |
| | 22 | S8 | 低压传感器/Low pressure sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | |
| | 23 | S9 | 通信接口板RS-485 (双Dsub-9pin接口) Communication interface board RS-485 (double Dsub-9pin connector) | | ---- | | ---- | | ---- | | ---- | 1 | YE90048501200 | | (1) | |
| | 24 | | 外壳RS485 (SAL-700C-A-19) 0版 Shell RS485(SAL-700G-A-19)0 | | ---- | | ---- | | ---- | | ---- | 1 | YR40048500000 | | (1) | |
| | 25 | S11 | 远程开关/Remote switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) (5) | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配液管阀, (3)选配流量传感器, (4)选配水位开关, (5)选配远程开关。 Notes: (1)Materials not in the control box, (2)Optional liquid pipe valve (3)Optional Flow sensor (4)Optional Water level switch (5)Optional remote switch | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 0 | | 标题 SIC-25A-R2 | | 图号 SIC-25A-R2-UL-460V-0-5 | | 比例 | | 第 5 张 | |
| | | | | | 设计 | | 核 准 | | 电气元件明细表一 | | | | 标准 UL | | 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 | | 3φ460V | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | | | 日期 | | 机器频率 | | 60Hz | |
| 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 | 26 | X1 | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 12 | YE60002503200 | | | | | | | | | |
| | 27 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK2.5 | | 2.5mm ² PE | | ---- | 3 | YE60002503400 | | | | | | | | | |
| | 28 | | 端子排/Terminal board | | HONEYWELL | | GK4 | | 4.0mm ² | | ---- | 12 | YE60000403200 | | | | | | | | | |
| | 29 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK5PE | | 4.0mm ² PE | | ---- | 1 | YE60000403500 | | | | | | | | | |
| | 30 | | 端子排/Terminal board | | HONEYWELL | | GK6 | | 6.0mm ² | | ---- | 3 | YE60000603200 | | | | | | | | | |
| | 31 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK6PE | | 6.0mm ² PE | | ---- | 1 | YE60000603500 | | | | | | | | | |
| | 32 | | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (2) | | | | | | | |
| | 33 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK2.5 | | 2.5mm ² PE | | ---- | 1 | YE60002503400 | | (2) | | | | | | | |
| B | 34 | | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 3 | YE60002503200 | | (3) | | | | | | | |
| | 35 | | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (4) | | | | | | | |
| | 36 | | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (5) | | | | | | | |
| | 37 | | 终端固定件E/GK系列(霍尼韦尔) Terminal fittings E/GK series(honeywell) | | HONEYWELL | | ---- | | ---- | | ---- | 6 | YE60000003900 | | | | | | | | | |
| | 38 | Y1 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | ---- | 1 | ---- | | (1) | | | | | | | |
| | 39 | Y2 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | ---- | 1 | ---- | | (1) (2) | | | | | | | |
| C | 40 | M1 | 泵浦马达/Pump motor | | ---- | | ---- | | 460V 60Hz 1.1KW | | ---- | 1 | ---- | | (1) | | | | | | | |
| | 41 | M2 | 压缩机/Compressor | | ---- | | ---- | | 460V 60Hz 6.18kW | | ---- | 1 | ---- | | (1) | | | | | | | |
| | 42 | M3 M4 | 风扇马达/Fan motor | | ---- | | ---- | | 460V 60Hz 0.42kW | | ---- | 2 | ---- | | (1) | | | | | | | |
| | 43 | EH1 | 曲轴箱加热带/Crankcase heating band | | ---- | | ---- | | 24VAC 35W | | ---- | 1 | ---- | | (1) | | | | | | | |
| | Notes: (1)Materials not in the control box, (2)Optional liquid pipe valve, (3)Optional Flow sensor, (4)Optional Water level switch, (5)Optional remote switch. | | | | | | | | | | | | | | | | | | | | | |
| | 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配液管阀, (3)选配流量传感器, (4)选配水位开关, (5)选配远程开关。 | | | | | | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 | | 0 | | 标题 | | SIC-25A-R2 | | 图号 | | SIC-25A-R2-UL-460V-0-6 | | 比例 | | 第 6 张 | |
| | | | | | 设计 | | 核 | | | | 电气元件明细表二 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 20230228 | | 机器频率 | | 60Hz | | | | | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | | | | | | | |

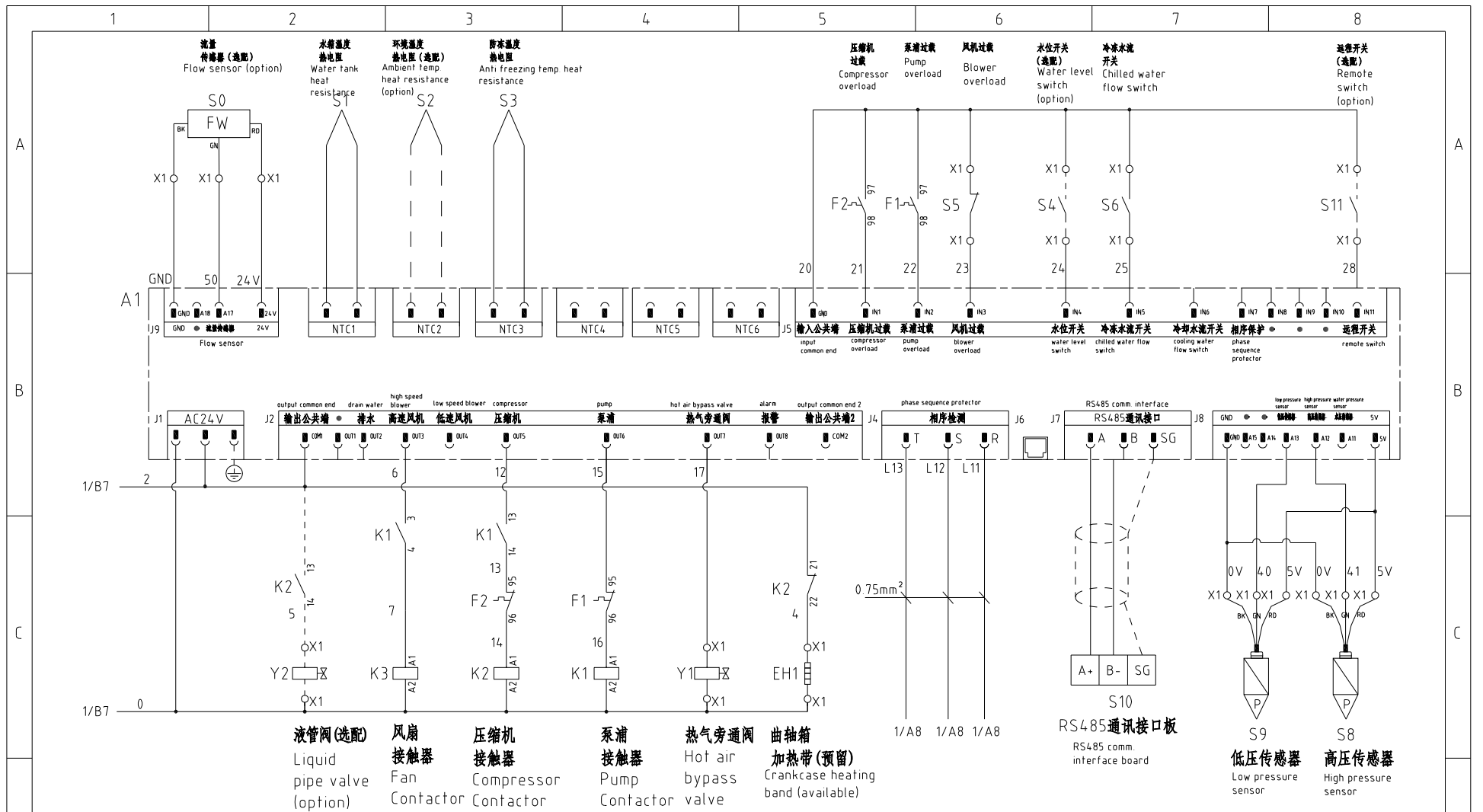


Note: When the main power voltage is 440V, the input terminal of the control Transformer must be connected to the terminal of 440V power.


注：当主电源电压为440V时，控制变压器的输入端须接到440V端子

机型版本 Ver.A

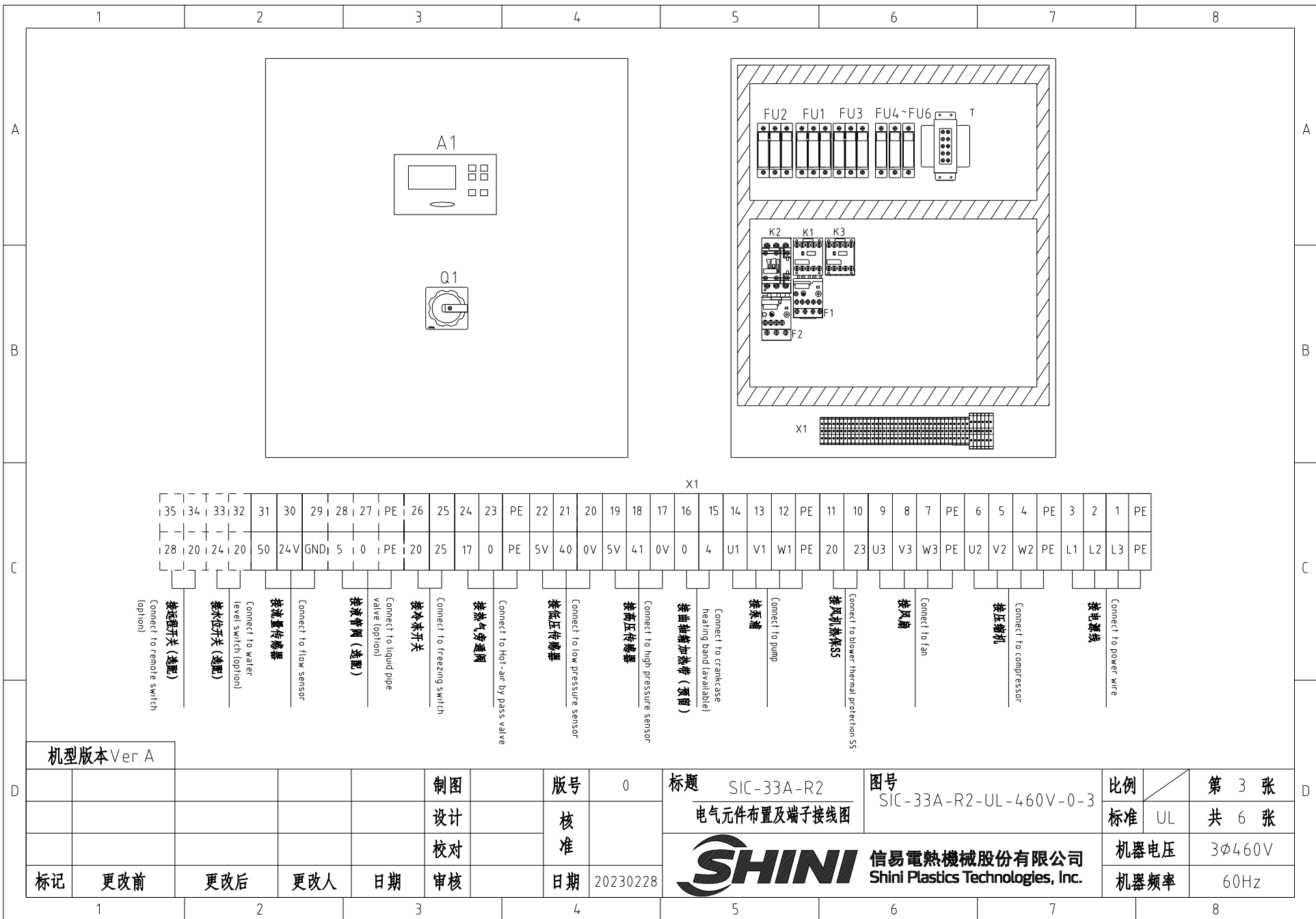
| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|------------|--------|------------------------|-------|-------|
| | | | | | 制图 | 版号 | 0 | 标题 | SIC-33A-R2 | 图号 | SIC-33A-R2-UL-460V-0-1 | 比例 | 第 1 张 |
| | | | | | 设计 | 核准 | | 主电路图 | | 标准 | UL | 共 6 张 | |
| | | | | | 校对 | 日期 | 20230228 |  信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | 机器电压 | 3φ460V | | | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | | 日期 | | 机器频率 | 60Hz | | | |



机型版本 Ver.A

| | | | | | | | | | | | | | | |
|---|----|-----|-----|-----|----|----|----|----------|---|------------|------|------------------------|----|-------|
| D | | | | | | 制图 | 版号 | 0 | 标题 | SIC-33A-R2 | 图号 | SIC-33A-R2-UL-460V-0-2 | 比例 | 第 2 张 |
| | | | | | | 设计 | 核准 | | 控制电路图 | | | 标准 | UL | 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 | 3φ460V | | |
| | 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | 机器频率 | 60Hz | | |

1 2 3 4 5 6 7 8



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|
| 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | PE | 26 | 25 | 24 | 23 | PE | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | PE | 11 | 10 | 9 | 8 | 7 | PE | 6 | 5 | 4 | PE | 3 | 2 | 1 | PE | | | | | | | | | |
| 28 | 20 | 24 | 20 | 50 | 24V | GND | 5 | 0 | PE | 20 | 25 | 17 | 0 | PE | 5V | 40 | 0V | 5V | 41 | 0V | 0 | 4 | U1 | V1 | W1 | PE | 20 | 23 | U3 | V3 | W3 | PE | U2 | V2 | W2 | PE | L1 | L2 | L3 | PE | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- 接电源线 (选项)
Connect to remote switch (option)
- 接水位开关 (选配)
Connect to water level switch (option)
- 接流量传感器
Connect to flow sensor
- 接液管阀 (选配)
Connect to liquid pipe valve (option)
- 接冷冻开关
Connect to freezing switch
- 接液气管阀
Connect to Hot-air by pass valve
- 接低压传感器
Connect to low pressure sensor
- 接高压传感器
Connect to high pressure sensor
- 接曲轴箱加热器 (预留)
Connect to crankcase heating band (available)
- 接泵浦
Connect to pump
- 接风机热保护S5
Connect to blower thermal protection S5
- 接风扇
Connect to fan
- 接压缩机
Connect to compressor
- 接电源线
Connect to power wire

机型版本 Ver.A

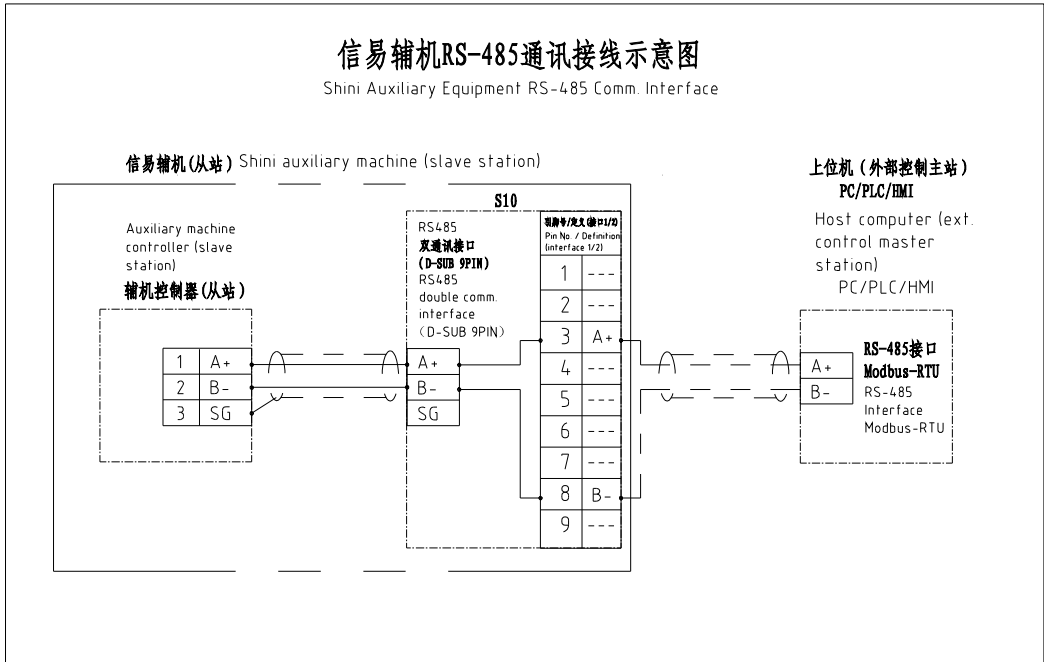
| | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|------------|------|------------------------|------|--------|-------|
| | | | | | 制图 | 版号 | 0 | 标题 | SIC-33A-R2 | 图号 | SIC-33A-R2-UL-460V-0-3 | 比例 | 第 3 张 | |
| | | | | | 设计 | 核准 | | 电气元件布置及端子接线图 | | | | 标准 | UL | 共 6 张 |
| | | | | | 校对 | | | SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | | | | 机器电压 | 3φ460V | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | 机器频率 | 60Hz | | | | |

A

A

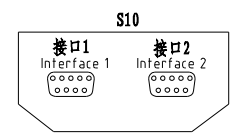
信易辅机RS-485通讯接线示意图

Shini Auxiliary Equipment RS-485 Comm. Interface



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.

B

B

C

C

机型版本 Ver.A

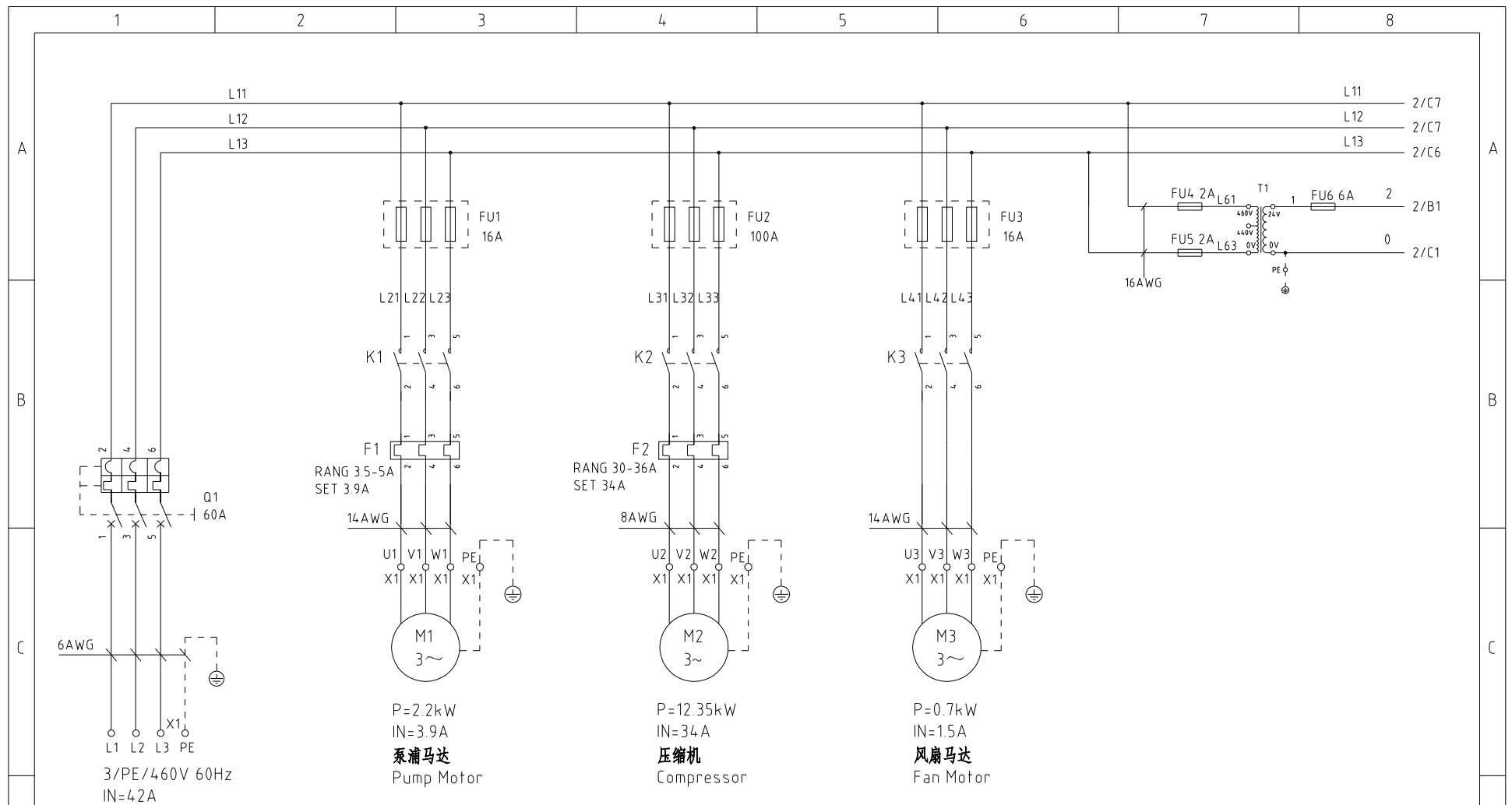
| | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|-------|------------|------|------------------------|-------|-------|
| | | | | | | 制图 | 版号 | 0 | 标题 | SIC-33A-R2 | 图号 | SIC-33A-R2-UL-460V-0-4 | 比例 | 第 4 张 |
| | | | | | | 设计 | 核 准 | | 通讯接线图 | | 标准 | UL | 共 6 张 | |
| | | | | | | 校对 | | | | | | | | 机器电压 |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | | 机器频率 | 60Hz | | | |

D

D


| 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 | | P1-32/EA/SVB | | 32A | | ---- | 1 | YE10323200000 | | | | | | | | | |
| | 2 | FU1 | 熔断器/Fuse | | WOHNER | | 31113/3P/32A/690V/10×38 | | 32A/690V/10×38 | | ---- | 1 | YE41320300100 | | | | | | | | | |
| | 3 | | 熔断器芯 Fuse Core A/10*38/660V/gG型type | | MRO | | (10×38)660V | | 10A | | ---- | 3 | YE46010000000 | | | | | | | | | |
| | 4 | FU2 | 熔断器/Fuse | | WOHNER | | 31123 3P | | 100A/690V | | ---- | 1 | YE41311230000 | | | | | | | | | |
| | 5 | | 熔断器芯/Fuse Core | | MRO | | (22×58)660V | | 63A | | ---- | 3 | YE46063000000 | | | | | | | | | |
| | 6 | FU3 | 熔断器/Fuse | | WOHNER | | 31113/3P/32A/690V/10×38 | | 32A/690V/10×38 | | ---- | 1 | YE41320300100 | | | | | | | | | |
| | 7 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 6A | | ---- | 3 | YE46006000000 | | | | | | | | | |
| B | 8 | FU4 FU5 FU6 | 熔断器/Fuse | | WOHNER | | 31110/1P | | 32A/690V/10×38 | | ---- | 3 | YE46002000300 | | | | | | | | | |
| | 9 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 2A | | ---- | 3 | YE46002000000 | | | | | | | | | |
| | 10 | K1 K3 | 接触器/Contactor | | SIEMENS | | 3RT6015-1AB01 | | 24VAC | | ---- | 2 | YE00601502500 | | | | | | | | | |
| | 11 | | 辅助触点/Auxiliary contactor | | SIEMENS | | 3RH6911-1AA10 | | 1NO+1NC | | ---- | 2 | YE00691100100 | | | | | | | | | |
| | 12 | K2 | 接触器/Contactor | | SIEMENS | | 3RT6027-1AC20 | | 24VAC | | ---- | 1 | YE00602702600 | | | | | | | | | |
| | 13 | F1 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6116-1GFB0 | | 4.5-6.32A | | ---- | 1 | YE01160450000 | | | | | | | | | |
| | 14 | F2 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6126-4DB0 | | 20-25A | | ---- | 1 | YE01260200000 | | | | | | | | | |
| C | 15 | A1 | 控制器/Controller | | PUNP | | 单压缩机控制器/Controller of single-compressor chiller SC3050A | | AC 24V | | ---- | 1 | YE80317506700 | | | | | | | | | |
| | 16 | T1 | 变压器/Transformer | | JIUXIN | | IN=440/460V OUT=24V | | 120VA | | ---- | 1 | YE70044005900 | | | | | | | | | |
| | 17 | S0 | 流量传感器/Flow sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | | | | | | | | |
| | 18 | S1 S3 | 防冻温度热电阻/Anti-frozen RTD | | PUNP | | RTD | | 4X85 4M 1/4PT | | ---- | 2 | YE90001400700 | | | | | | | | | |
| | 19 | S4 | 水位开关/Water level switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) (2) | | | | | | | |
| | 20 | S6 | 冷冻水流开关/Chilled water flow switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | | | | | | | |
| | 21 | S8 | 高压传感器/High pressure sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | | | | | | | |
| | 22 | S9 | 低压传感器/Low pressure sensor | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) | | | | | | | |
| | 23 | S10 | 通信接口板RS-485 (双Dsub-9pin接口) Communication interface board RS-485 (double Dsub-9pin connector) | | YUYUN | | ---- | | ---- | | ---- | 1 | YE90048501200 | | (1) | | | | | | | |
| | 24 | | 外壳RS485 (8AL-700G-A-19) 0版 Shell RS485(SAL-700G-A-19)0 | | BINCHENG | | ---- | | ---- | | ---- | 1 | YR40048500000 | | (1) | | | | | | | |
| | 25 | S11 | 远程开关/Remote switch | | ---- | | ---- | | ---- | | ---- | 1 | ---- | | (1) (3) | | | | | | | |
| 机型版本 Ver. A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 Notes: (1)Materials not in the control box, (2)Optional Water level switch (3)Optional remote switch (4)Optional liquid pipe valve | | | | | | | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 | | 0 | | 标题 | | SIC-33A-R2 | | 图号 | | SIC-33A-R2-UL-460V-0-5 | | 比例 | | 第 5 张 | |
| | | | | | 设计 | | 核 | | | | 电气元件明细表一 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 20230228 | | 机器频率 | | 60Hz | | | | | |
| 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 | 26 | X1 X2 X3 | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 16 | YE60002503200 | | | | | | | | |
| | 27 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK2.5PE | | 2.5mm ² PE | | ---- | 3 | YE60002503400 | | | | | | | | |
| | 28 | | 端子排/Terminal board | | HONEYWELL | | SK4 | | 4.0mm ² | | ---- | 12 | YE60000403200 | | | | | | | | |
| | 29 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK5PE | | 4.0mm ² PE | | ---- | 1 | YE60000403500 | | | | | | | | |
| | 30 | | 端子排/Terminal board | | HONEYWELL | | GK6 | | 6.0mm ² | | ---- | 3 | YE60000603200 | | | | | | | | |
| | 31 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK6PE | | 6.0mm ² PE | | ---- | 1 | YE60000603500 | | | | | | | | |
| | 32 | | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (2) | | | | | | |
| B | 33 | | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (3) | | | | | | |
| | 34 | | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 2 | YE60002503200 | | (4) | | | | | | |
| | 35 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK2.5PE | | 2.5mm ² PE | | ---- | 1 | YE60002503400 | | (4) | | | | | | |
| | 36 | | 终端固定件E/GK系列(霍尼韦尔) Terminal fittings E/GK series(honeywell) | | HONEYWELL | | ---- | | ---- | | ---- | 6 | YE60000003900 | | | | | | | | |
| | 37 | Y1 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | ---- | 1 | ---- | | (1) | | | | | | |
| | 38 | Y2 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | ---- | 1 | ---- | | (1) (4) | | | | | | |
| | 39 | M1 | 泵浦马达/Pump motor | | ---- | | ---- | | 460V 60Hz 1.1KW | | ---- | 1 | ---- | | (1) | | | | | | |
| 40 | M2 | 压缩机/Compressor | | ---- | | ---- | | 460V 60Hz 8.34kW | | ---- | 1 | ---- | | (1) | | | | | | | |
| 41 | M3 | 风扇马达/Fan Motor | | ---- | | ---- | | 460V 60Hz 0.7kW | | ---- | 1 | ---- | | (1) | | | | | | | |
| 42 | EH1 | 曲轴箱加热带/Crankcase heating band | | ---- | | ---- | | 24VAC 35W | | ---- | 1 | ---- | | (1) | | | | | | | |
| C | | | | | | | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 Notes: (1)Materials not in the control box, (2)Optional Water level switch, (3)Optional remote switch, (4)Optional liquid pipe valve. | | | | | | | | | | | | | | | | | | | |
| | | | | 制图 | | 版号 | | 0 | | 标题 | | SIC-33A-R2 | | 图号 | | SIC-33A-R2-UL-460V-0-6 | | 比例 | | 第 6 张 | |
| | | | | 设计 | | 核准 | | | | 电气元件明细表二 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 日期 | | 20230228 | | 机器频率 | | 60Hz | | | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | | | | | | |

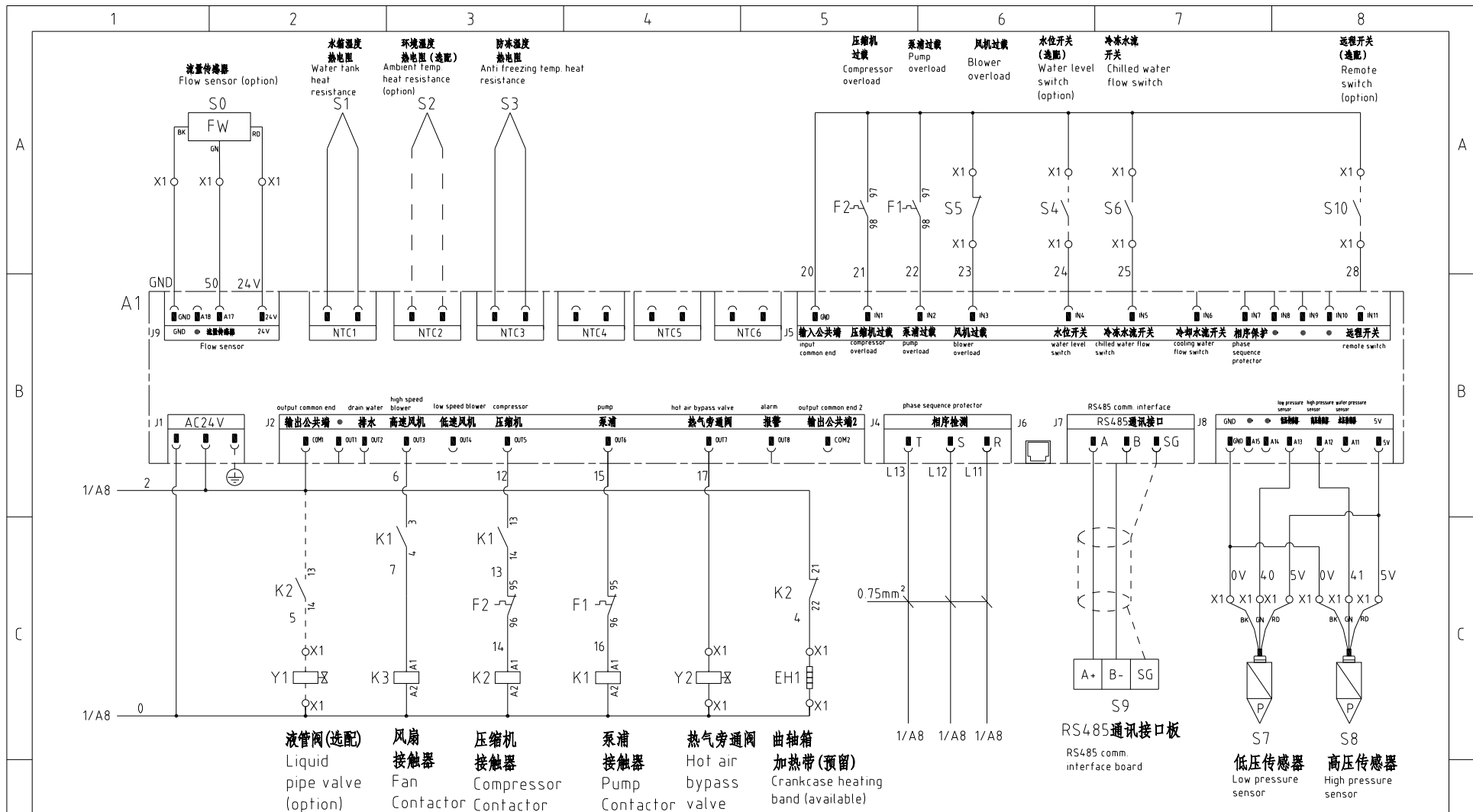


Note: When the main power voltage is 440V, the input terminal of the control transformer must be connected to the terminal of 440V power.
 注: 当主电源电压为440V时, 控制变压器的输入端须接到440V端子


机型版本 Ver.A

| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|------------|----|------------------------|------|--------|
| | | | | | 制图 | 版号 | 0 | 标题 | SIC-49A-R2 | 图号 | SIC-49A-R2-UL-460V-0-1 | 比例 | 第 1 张 |
| | | | | | 设计 | 核 | | 主电路图 | | | | 标准 | UL |
| | | | | | 校对 | 准 | |  信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | | | | 机器电压 | 3φ460V |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | | | | |

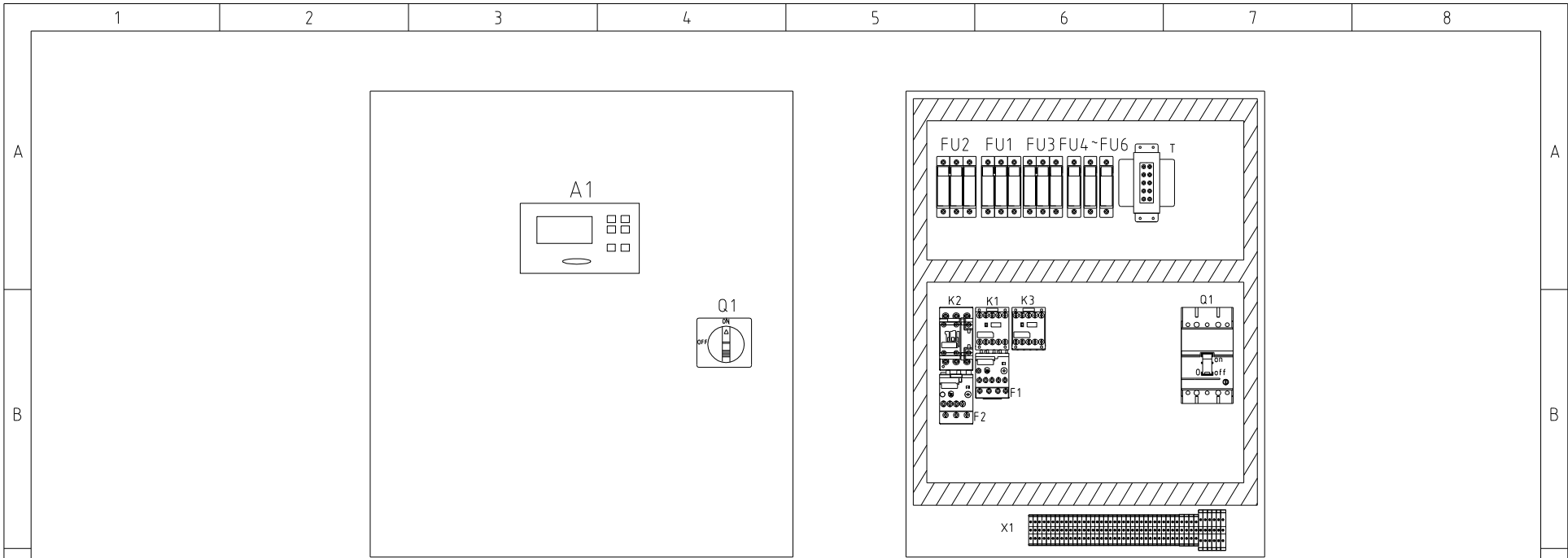
1 2 3 4 5 6 7 8



机型版本 Ver.A

| | | | | | | | | | | | | | | |
|---|----|-----|-----|-----|----|----|----|----------|--|------------|------|------------------------|--------|-------|
| D | | | | | | 制图 | 版号 | 0 | 标题 | SIC-49A-R2 | 图号 | SIC-49A-R2-UL-460V-0-2 | 比例 | 第 2 张 |
| | | | | | | 设计 | 核准 | | 控制电路图 | | | 标准 | UL | 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 | 3φ460V | |
| | 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | 机器频率 | 60Hz | | |

1 2 3 4 5 6 7 8



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----|--|----|----------------------------------|-----|--|----|-------------------------------------|----|--|----|--|----|---|----|--|----|------------------------|----|-----------------------|----|----------------------------------|----|------------------------------|----|--|----|----|----|----|----|----|----|----|----|----|----|
| 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | PE | 23 | 22 | 21 | 20 | PE | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | PE | 8 | 7 | 6 | 5 | 4 | PE | 3 | 2 | 1 | PE | PE |
| 28 | 20 | 24 | 20 | 50 | 24V | GND | 5 | 0 | PE | 20 | 25 | 17 | 0 | PE | 5V | 18 | 0V | 5V | 19 | 0V | 0 | 4 | U1 | V1 | W1 | PE | 20 | 23 | U3 | V3 | W3 | PE | U2 | V2 | W2 | PE | PE |
| 接远程开关 (选配) Connect to remote switch (option) | | 接水位开关 (选配) Connect to water level switch (option) | | 接流量传感器 Connect to flow sensor | | 接液管阀 (选配) Connect to liquid pipe valve (option) | | 接冷冻开关 Connect to freezing switch | | 接热气旁通阀 Connect to Hot-air by pass valve | | 接低压传感器 Connect to low pressure sensor | | 接高压传感器 Connect to high pressure sensor | | 接抽排加热器 (预留) Connect to crankcase heating band (available) | | 接泵浦 Connect to pump | | 接风机 Connect to fan | | 接压机热敏SS Thermal protection S5 | | 接压机 Connect to compressor | | 接主电源地线 Connect to ground wire of main power | | | | | | | | | | | |

机型版本 Ver.A

| | | | | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|--------------|--|---|--|------|--|------------------------|--|-------|--|-------|--|
| 制图 | | | | | | 版号 | 0 | 标题 | | SIC-49A-R2 | | 图号 | | SIC-49A-R2-UL-460V-0-3 | | 比例 | | 第 3 张 | |
| 设计 | | | | | | 核准 | | 电气元件布置及端子接线图 | | | | 标准 | | UL | | 共 6 张 | | | |
| 校对 | | | | | | | | | | | | 机器电压 | | 3φ460V | | | | | |
| 审核 | | | | | | 日期 | | 20230228 | | SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc. | | 机器频率 | | 60Hz | | | | | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | | | | | | | | | | |

A

A

B

B

C

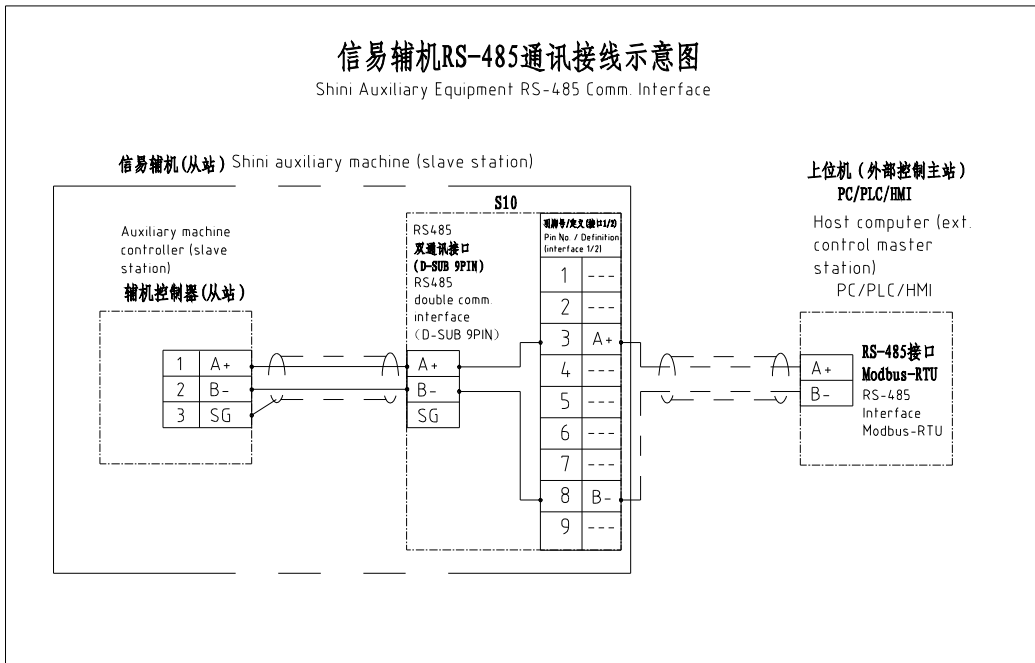
C

D

D

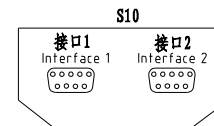
信易辅机RS-485通讯接线示意图

Shini Auxiliary Equipment RS-485 Comm. Interface



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:

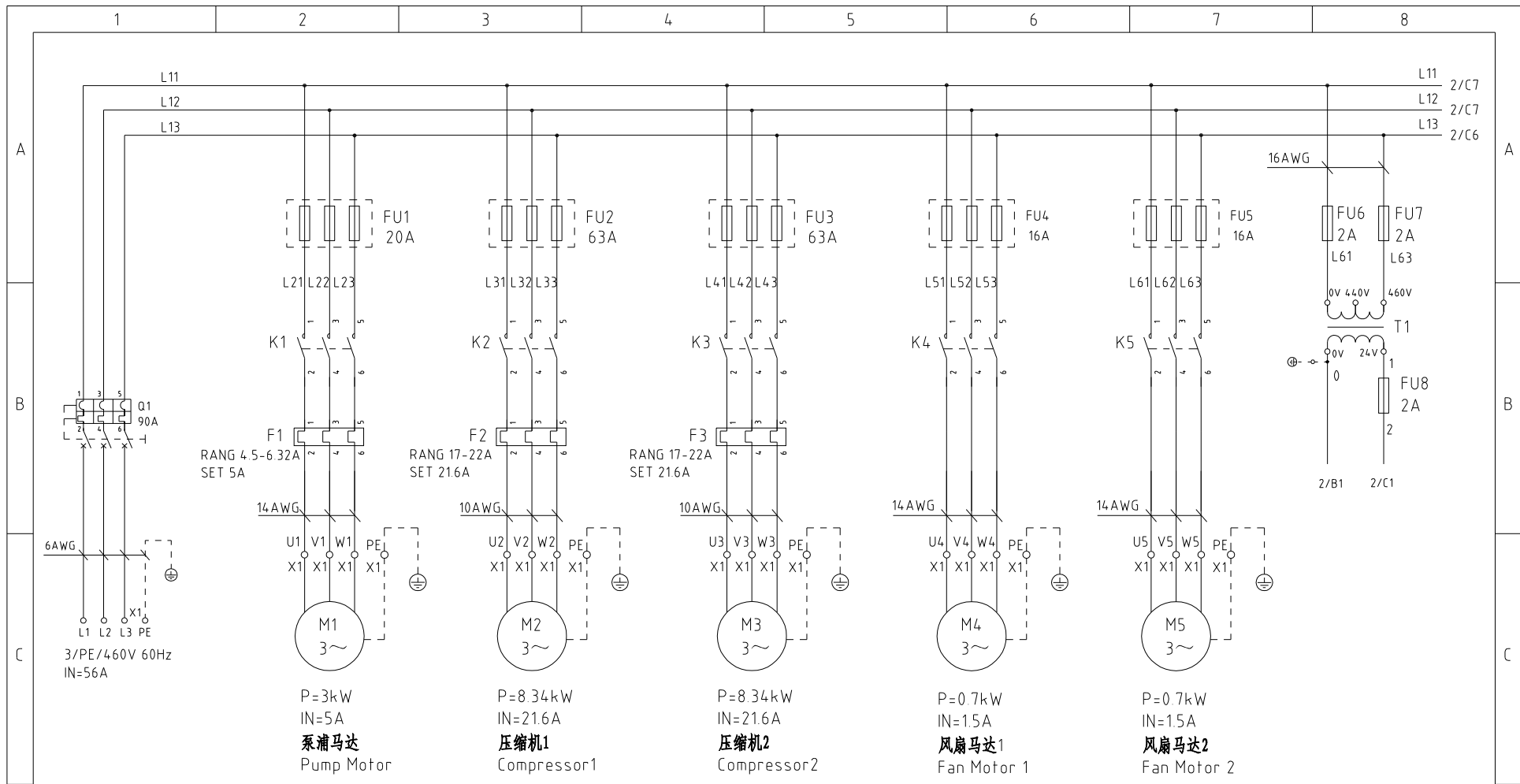
- 1.Comm. interface: RS-485 (two wire)
2.Comm. protocol: Modbus-RTU
3.The machine is equipped with D-sub9 female connector; interface 1 and interface 2 are connected in parallel and have the same function, which is regardless of primary and secondary.

机型版本 Ver.A

| | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|---|------------|------|------------------------|-------|-------|
| | | | | | 制图 | | 版号 | 0 | 标题 | SIC-49A-R2 | 图号 | SIC-49A-R2-UL-460V-0-4 | 比例 | 第 4 张 |
| | | | | | 设计 | | 核 | | 通讯接线图 | | 标准 | UL | 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 | 3φ460V | | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | 机器频率 | 60Hz | | | |

| 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 | | ABB | | A1A125TMF60/6003PFF | | 60A | | ---- | 1 | YE41106200000 | | | | | | | | | |
| | 2 | FU1 FU3 | 熔断器/Fuse | | WOHNER | | 31113/3P | | 32A/690V/10×38 | | ---- | 2 | YE41320300100 | | | | | | | | | |
| | 3 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 16A | | ---- | 6 | YE46016000000 | | | | | | | | | |
| | 4 | FU2 | 熔断器/Fuse | | WOHNER | | 31123/3P | | 100A/690V | | ---- | 1 | YE41311230000 | | | | | | | | | |
| | 5 | | 熔断器芯/Fuse Core | | MRO | | (22×58)660V | | 100A | | ---- | 3 | YE46010058000 | | | | | | | | | |
| | 6 | FU4 FU5 FU6 | 熔断器/Fuse | | WOHNER | | 31110/1P | | 32A/690V/10×38 | | ---- | 3 | YE46002000300 | | | | | | | | | |
| | 7 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 2A | | ---- | 3 | YE46002000000 | | | | | | | | | |
| B | 8 | K1 K3 | 接触器/Contactor | | SIEMENS | | 3RT6015-1AB01 | | 24 VAC | | ---- | 2 | YE00601502500 | | | | | | | | | |
| | 9 | | 辅助触点/Auxiliary contactor | | SIEMENS | | 3RH6911-1HA11 | | 1NC+1NO | | ---- | 2 | YE00691100100 | | | | | | | | | |
| | 10 | K2 | 接触器/Contactor | | SIEMENS | | 3RT6028-1AC20 | | 24 VAC | | ---- | 1 | YE00602802600 | | | | | | | | | |
| | 11 | F1 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6116-1FB0 | | 3.5-5A | | ---- | 1 | YE01160350000 | | | | | | | | | |
| | 12 | F2 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6126-4PB0 | | 30-36A | | ---- | 1 | YE01612630000 | | | | | | | | | |
| | 13 | A1 | 控制器/Controller | | PUNP | | 变频控制器 Controller of single-compressor chiller SF30FA0A | | AC 24V | | ---- | 1 | YE80317506700 | | | | | | | | | |
| | 14 | T1 | 变压器/Transformer | | JIUXIN | | IN=440/460V OUT=24V | | 120VA | | ---- | 1 | YE70044005900 | | | | | | | | | |
| C | 15 | S1 S3 | 防冻温度热电阻/Anti-frozen RTD | | PUNP | | RTD | | 4X85 4M 1/4PT | | ---- | 2 | YE90001400700 | | | | | | | | | |
| | 16 | S9 | 通信接口板RS-485 (双Dsub-9pin接头) Communication interface board RS-485 (double Dsub-9pin connector) | | YUYUN | | ---- | | ---- | | ---- | 1 | YE90048501200 | | (1) | | | | | | | |
| | 17 | | 外壳RS485 (SAL-700G-A-19) 0版 Shell RS485(SAL-700G-A-19)0 | | BINCHENG | | ---- | | ---- | | ---- | 1 | YR40048500000 | | (1) | | | | | | | |
| | 18 | X1 X2 X3 | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 20 | YE60002503200 | | | | | | | | | |
| | 19 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK2.5PE | | 2.5mm ² PE | | ---- | 4 | YE60002503400 | | | | | | | | | |
| | 20 | | 端子排/Terminal board | | HONEYWELL | | SK4 | | 4.0mm ² | | ---- | 9 | YE60000403200 | | | | | | | | | |
| | 21 | | 端子排/Terminal board | | HONEYWELL | | GK10 | | 10.0mm ² | | ---- | 3 | YE60001003200 | | | | | | | | | |
| | 22 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK10PE | | 10.0mm ² PE | | ---- | 1 | YE60001003500 | | | | | | | | | |
| | 23 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK16PE | | 16.0mm ² PE | | ---- | 1 | YE60001603500 | | | | | | | | | |
| | 24 | | 终端固定件E/GK系列 (霍尼韦尔) Terminal fittings E/GK series(honeywell) | | HONEYWELL | | ---- | | ---- | | ---- | 6 | YE60000003900 | | | | | | | | | |
| | 25 | Y1 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24 VAC | | ---- | 1 | ---- | | (1) (4) | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 Notes: (1)Materials not in the control box, (2)Optional Water level switch, (3)Optional remote switch, (4)Optional liquid pipe valve | | | | | | | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 | | 0 | | 标题 | | SIC-49A-R2 | | 图号 | | SIC-49A-R2-UL-460V-0-5 | | 比例 | | 第 5 张 | |
| | | | | | 设计 | | 核 | | | | 电气元件明细表一 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 20230228 | | 机器频率 | | 60Hz | | | | | |
| 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 | Y2 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | | 1 | ---- | | (1) | | | | | | | | |
| 27 | M1 | 泵浦马达/Pump motor | | ---- | | ---- | | 460V 60Hz 2.2KW | | | 1 | ---- | | (1) | | | | | | | | |
| A | 28 | M2 | 压缩机/Compressor | | ---- | | ---- | | 460V 60Hz 12.35kW | | | 2 | ---- | | (1) | | | | | | | |
| | 29 | M3 | 风扇马达/Fan motor | | ---- | | ---- | | 460V 60Hz 0.7kW | | | 1 | ---- | | (1) | | | | | | | |
| | 30 | EH1 | 曲轴箱加热带/Crankcase heating band | | ---- | | ---- | | 24VAC 35W | | | 1 | ---- | | (1) | | | | | | | |
| | 31 | S10 | 远程开关/Remote switch | | ---- | | ---- | | ---- | | | 1 | ---- | | (1)(3) | | | | | | | |
| | 32 | S0 | 流量传感器/Flow sensor | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) | | | | | | | |
| B | 33 | S4 | 水位开关/Water level switch | | ---- | | ---- | | ---- | | | 1 | ---- | | (1)(2) | | | | | | | |
| | 34 | S6 | 冷冻水流开关/Chilled water flow switch | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) | | | | | | | |
| | 35 | S7 | 低压传感器/Low pressure sensor | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) | | | | | | | |
| | 36 | S8 | 高压传感器/High pressure sensor | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) | | | | | | | |
| Notes: (1)Materials not in the control box, (2)Optional Water level switch, (3)Optional remote switch, (4)Optional liquid pipe valve. | | | | | | | | | | | | | | | | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 | | | | | | | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 | | 0 | | 标题 | | SIC-49A-R2 | | 图号 | | SIC-49A-R2-UL-460V-0-6 | | 比例 | | 第 6 张 | |
| | | | | | 设计 | | 核 | | | | 电气元件明细表二 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 20230228 | | 机器频率 | | 60Hz | | | | | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | | | | | | | |



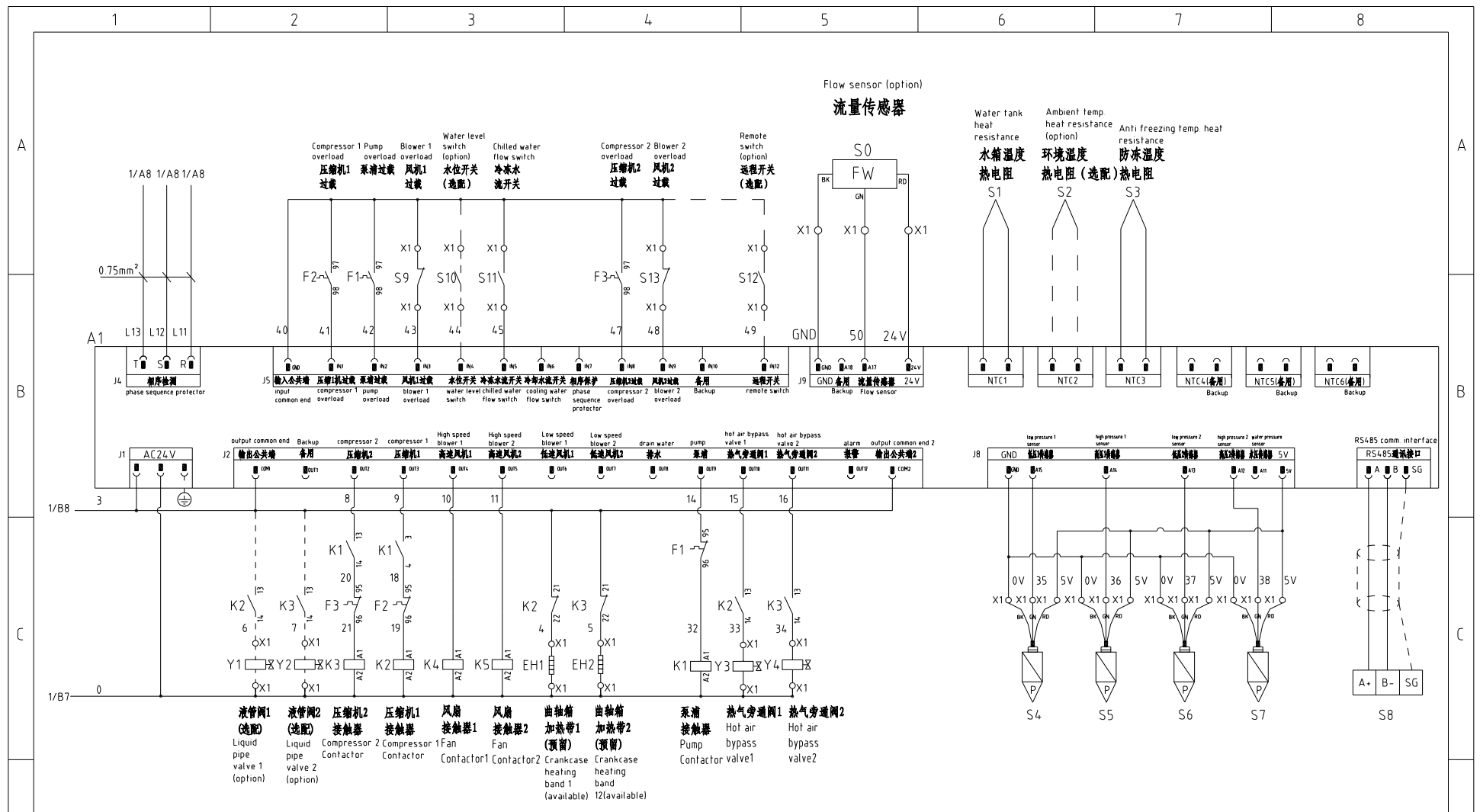
Note: When the main power voltage is 440V, the input terminal of the control transformer must be connected to the terminal of 440V power.

注：当主电源电压为440V时，控制变压器的输入端须接到440V端子

机型版本 Ver.A


| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|------------|--------|------------------------|-------|-------|
| | | | | | 制图 | 版号 | 0 | 标题 | SIC-66A-R2 | 图号 | SIC-66A-R2-UL-460V-0-1 | 比例 | 第 1 张 |
| | | | | | 设计 | 核准 | | 主电路图 | | 标准 | UL | 共 6 张 | |
| | | | | | 校对 | 日期 | 20230228 |  信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | 机器电压 | 3φ460V | | | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | | | 机器频率 | 60Hz | | | |

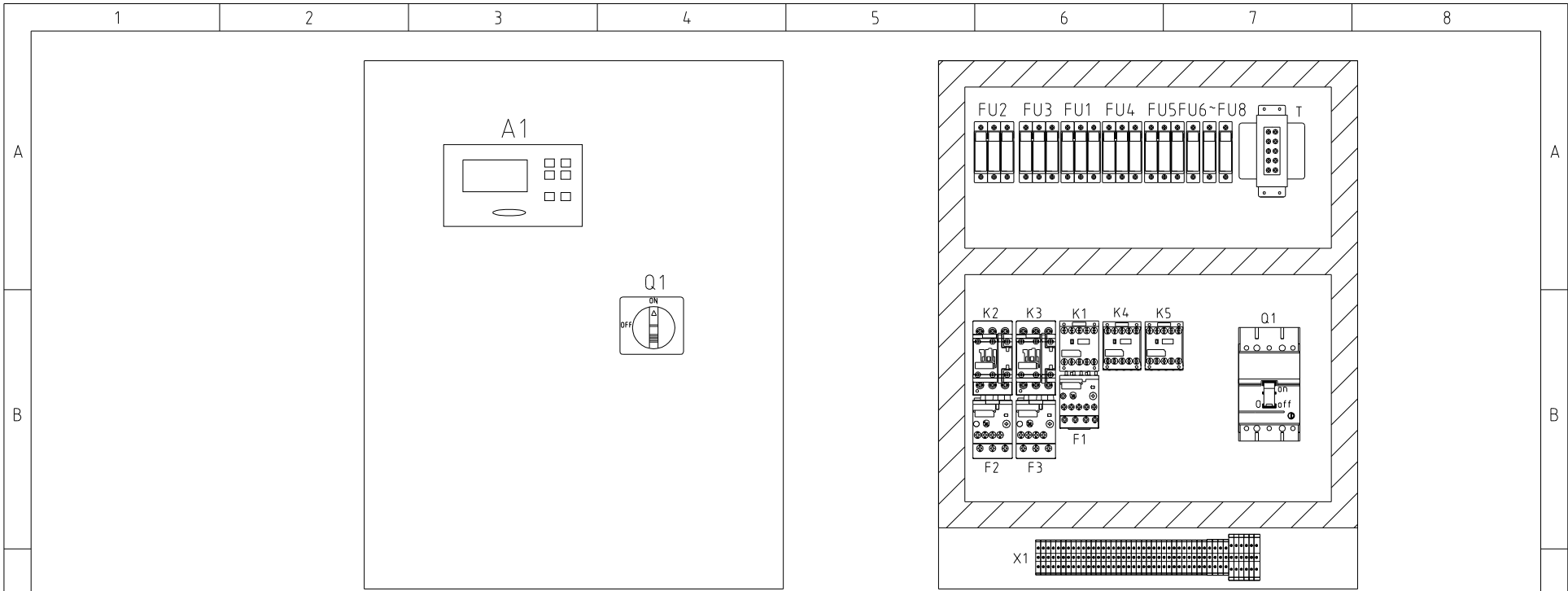
1 2 3 4 5 6 7 8



Note: S9 is fan 1 overheat protection, and S13 is fan 2 overheat protection.

注: S9为风扇1过热保护, S13为风扇2过热保护。

| | | | | | | | | | | | |
|------------|-----|-----|-----|----|----|---|------------|----|------------------------|------|--------|
| 机型版本 Ver.A | | 制图 | | 版号 | 0 | 标题 | SIC-66A-R2 | 图号 | SIC-66A-R2-UL-460V-0-2 | 比例 | 第 2 张 |
| | | 设计 | | 核准 | | 控制电路图 | | | | 标准 | 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 | 3φ460V |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | | | 日期 | 20230228 | 机器频率 | 60Hz |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 152 | 151 | 150 | 149 | 148 | 147 | PE | 146 | 145 | PE | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | PE | 25 | 24 | PE | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | PE | 14 | 13 | 12 | 11 | 10 | PE | 9 | 8 | 7 | PE | 6 | 5 | 4 | PE | 3 | 2 | 1 | PE | PE | | |
| 149 | 140 | 144 | 140 | 16 | 10 | PE | 17 | 10 | PE | 24V | 50 | 0V | 45 | 40 | 5V | 37 | 0V | 5V | 38 | 0V | 5V | 35 | 0V | 35 | 0V | 5V | 36 | 0V | 34 | 0 | PE | 33 | 0 | PE | 0 | 5 | 0 | 4 | 4 | 48 | U5 | V5 | W5 | PE | 40 | 43 | U4 | V4 | W4 | PE | U1 | V1 | W1 | PE | U3 | V3 | W3 | PE | U2 | V2 | W2 | PE | PE |

- 接主电源接线
Connect to ground wire of main power
- 接压缩机1
Connect to compressor 1
- 接压缩机2
Connect to compressor 2
- 接泵浦
Connect to pump
- 接风机1
Connect to fan 1
- 接风机2
Connect to fan 2
- 接风机1过热保护输出线S9
Thermal protection S9
- 接风机2过热保护输出线S13
Thermal protection S13
- 接风机1
Connect to fan 1
- 接风机2
Connect to fan 2
- 接加热器加热管1 (预留)
Connect to crankcase heating band 1 (available)
- 接加热器加热管2 (预留)
Connect to crankcase heating band 2 (available)
- 接热气旁通阀1
Connect to hot-air by pass valve 1
- 接热气旁通阀2
Connect to hot-air by pass valve 2
- 接高压开关S5
Connect to high pressure 1 switch S5
- 接高压开关S4
Connect to low pressure 1 switch S4
- 接高压开关S7
Connect to high pressure 2 switch S7
- 接高压开关S6
Connect to low pressure 2 switch S6
- 接冷水液流开关
Connect to chilled water flow switch
- 接流量传感器
Connect to flow sensor
- 接液管阀2 (选配)
Connect to liquid pipe valve 2 (option)
- 接液管阀1 (选配)
Connect to liquid pipe valve 1 (option)
- 接水位开关 (选配)
Connect to water level switch (option)
- 接远程开关 (选配)
Connect to remote switch (option)

机型版本 Ver.A

| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|-------|---|----|------------------------|--------|-------|
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 制图 | 版号 | 0 | 标题 | SIC-66A-R2 | 图号 | SIC-66A-R2-UL-460V-0-3 | 比例 | 第 3 张 |
| | | | | | 设计 | 核准 | | | 电气元件布置及端子接线图 | | 标准 | | UL |
| | | | | | 校对 | 日期 | 20230228 | SHINI | 信易电热机械股份有限公司 Shini Plastics Technologies, Inc. | | 机器电压 | 3φ460V | |
| | | | | 审核 | | | 机器频率 | | | | 60Hz | | |

1 2 3 4 5 6 7 8

A

A

B

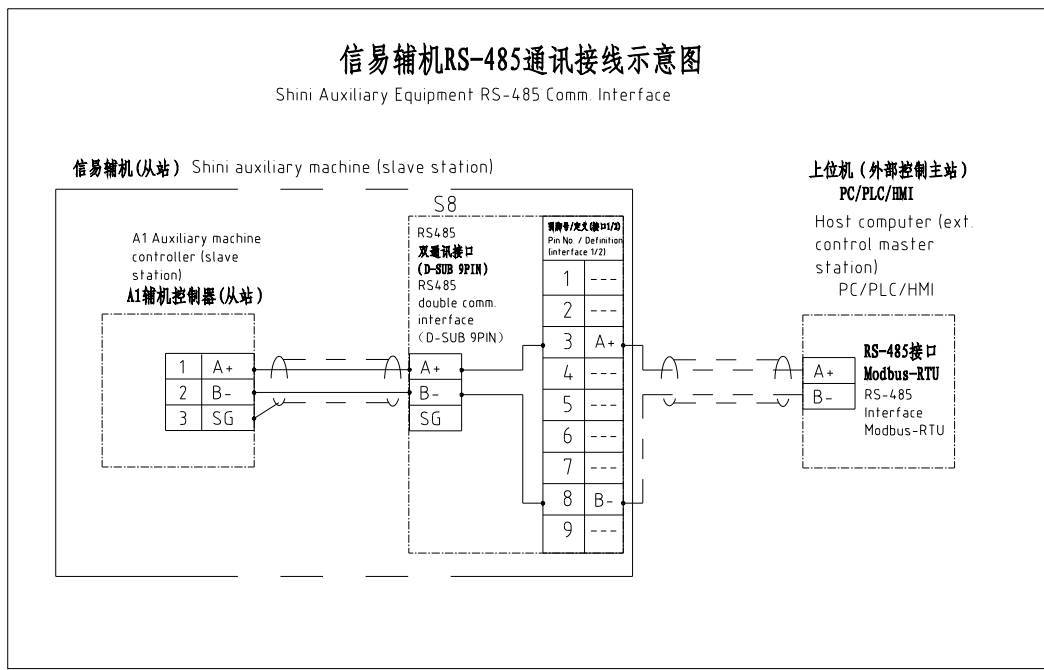
B

C

C

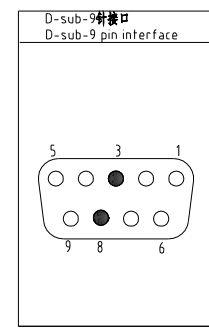
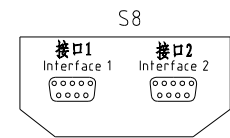
信易辅机RS-485通讯接线示意图

Shini Auxiliary Equipment RS-485 Comm. Interface



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.A

| | | | | | | | | | | | |
|----|-----|-----|-----|--------|----------|-------|------------|---|------------------------|--------|-------|
| | | 制图 | | 版号 | 0 | 标题 | SIC-66A-R2 | 图号 | SIC-66A-R2-UL-460V-0-4 | 比例 | 第 4 张 |
| | | 设计 | | 核 准 | | 通讯接线图 | | SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc. | 标准 | UL | 共 6 张 |
| | | 校对 | | | | | | | 机器电压 | 3φ460V | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 20230228 | 日期 | | 机器频率 | 60Hz | | |

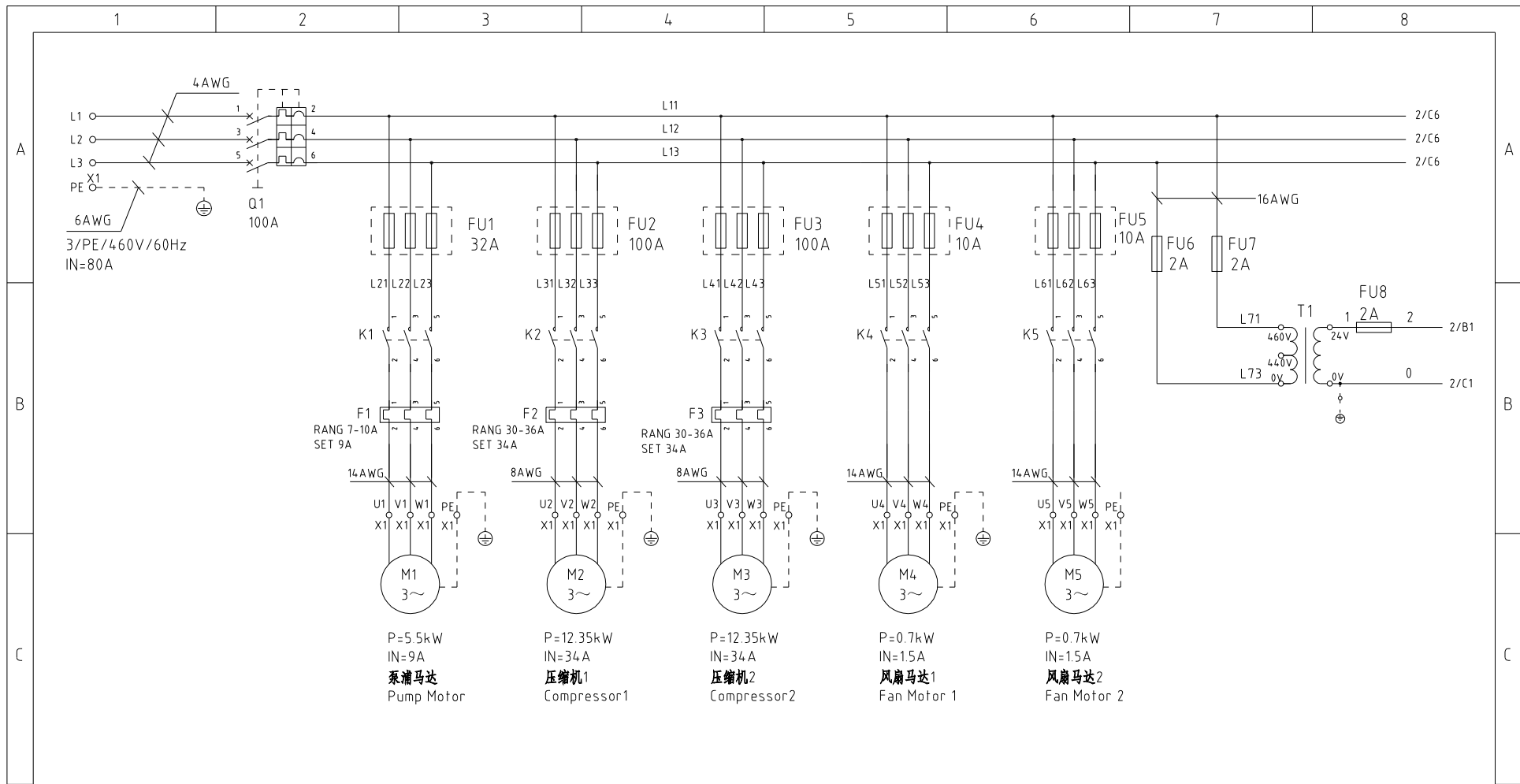
1 2 3 4 5 6 7 8

D

D


| 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 | | | | | | | |
| 1 | Q1 | 门连锁断路器/Break Interlock | | ABB | | A1A125TMF90/9003PFF | | 90A | | ---- | 1 | YE41109200000 | | | | | | | | | |
| 2 | FU1 FU4 FU5 | 熔断器/Fuse | | WOHNER | | 31113/3P | | 32A/690V/10×38 | | ---- | 3 | YE41320300100 | | | | | | | | | |
| 3 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 20A | | ---- | 3 | YE46020000000 | | | | | | | | | |
| 4 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 16A | | ---- | 6 | YE46016000000 | | | | | | | | | |
| 5 | FU2 FU3 | 熔断器/Fuse | | WOHNER | | 31123/3P | | 100A/690V/22×58 | | ---- | 2 | YE41311230000 | | | | | | | | | |
| 6 | | 熔断器芯/Fuse Core | | MRO | | (22×58)660V | | 63A | | ---- | 6 | YE46063000000 | | | | | | | | | |
| 7 | FU6 FU7 FU8 | 熔断器/Fuse | | WOHNER | | 31110/1P | | 32A/690V/10×38 | | ---- | 3 | YE46002000300 | | | | | | | | | |
| 8 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 2A | | ---- | 3 | YE46002000000 | | | | | | | | | |
| 9 | K1 | 接触器/Contactor | | SIEMENS | | 3RT6016-1AB01 | | 24 VAC | | ---- | 1 | YE00601602500 | | | | | | | | | |
| 10 | | 辅助触点 Auxiliary contactor | | SIEMENS | | 3RH6911-1HA11 | | 1NO+1NC | | ---- | 1 | YE00691100100 | | | | | | | | | |
| 11 | K2 K3 | 接触器/Contactor | | SIEMENS | | 3RT6027-1AC20 | | 24 VAC | | ---- | 2 | YE00602702600 | | | | | | | | | |
| 12 | | 辅助触点 Auxiliary contactor | | SIEMENS | | 3RH6911-1HA22 | | 2NO+2NC | | ---- | 2 | YE00691100000 | | | | | | | | | |
| 13 | K4 K5 | 接触器/Contactor | | SIEMENS | | 3RT6015-1AB01 | | 24 VAC | | ---- | 2 | YE00601502500 | | | | | | | | | |
| 14 | F1 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6116-1GB0 | | 4.5-6.32A | | ---- | 1 | YE01160450000 | | | | | | | | | |
| 15 | F2 F3 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6126-4CB0 | | 17-22A | | ---- | 2 | YE01260170000 | | | | | | | | | |
| 16 | A1 | 控制器/Controller | | PUNP | | 双压缩机 Double-compressor water chiller controller SF309N4M1 | | AC 24V | | ---- | 1 | YE80317500100 | | | | | | | | | |
| 17 | T1 | 变压器/Transformer | | JIUXIN | | IN=440/460V OUT=24V | | 180VA | | ---- | 1 | YE70044006700 | | | | | | | | | |
| 18 | S1 S3 | 防冻温度热电阻/Anti-frozen RTD | | PUNP | | RTD | | 4X85 4M 1/4PT | | ---- | 2 | YE90001400700 | | | | | | | | | |
| 19 | S8 | 通信接口板RS-485 (双Dsub-9pin接头) Communication interface board RS-485 (double Dsub-9pin connector) | | YUYUN | | ---- | | ---- | | ---- | 1 | YE90048501200 | | (1) | | | | | | | |
| 20 | | 外壳RS485 (SAL-7000-A-19) 0版 Shell RS485(SAL-7000-A-19)0 | | BINCHENG | | ---- | | ---- | | ---- | 1 | YR40048500000 | | (1) | | | | | | | |
| 21 | X1 | 端子排/Terminal board | | HONEYWELL | | SK2.5 | | 2.5mm ² | | ---- | 30 | YE60002503200 | | | | | | | | | |
| 22 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK2.5PE | | 2.5mm ² PE | | ---- | 7 | YE60002503400 | | | | | | | | | |
| 23 | | 端子排/Terminal board | | HONEYWELL | | SK4 | | 4.0mm ² | | ---- | 16 | YE60000403200 | | | | | | | | | |
| 24 | | 端子排/Terminal board | | HONEYWELL | | GK6 | | 6.0mm ² | | ---- | 6 | YE60000603200 | | | | | | | | | |
| 25 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK6PE | | 6.0mm ² PE | | ---- | 2 | YE60000603500 | | | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 Notes: (1)Materials not in the control box, (2)Optional Water level switch, (3)Optional remote switch, (4)Optional liquid pipe valve | | | | | | | | | | | | | | | | | | | |
| | | | | 制图 | | 版号 | | 0 | | 标题 | | SIC-66A-R2 | | 图号 | | SIC-66A-R2-UL-460V-0-5 | | 比例 | | 第 5 张 | |
| | | | | 设计 | | 核 | | | | 电气元件明细表一 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 20230228 | | 机器频率 | | 60Hz | | | | | |
| 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 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK16PE | | 16.0mm ² PE | | ---- | 1 | YE60001603500 | | | |
| 27 | | 终端固定件E/GK系列(霍尼韦尔) Terminal fittings E/GK series(honeywell) | | HONEYWELL | | ---- | | ---- | | ---- | 6 | YE60000003900 | | | |
| A | Y1 Y2 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | | 2 | ---- | | (1) (4) | |
| | Y3 Y4 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | | 2 | ---- | | (1) | |
| | M1 | 泵浦马达/Pump motor | | ---- | | ---- | | 460V 60Hz 3KW | | | 1 | ---- | | (1) | |
| | M2 M3 | 压缩机/Compressor | | ---- | | ---- | | 460V 60Hz 8.34kW | | | 2 | ---- | | (1) | |
| | M4 M5 | 风扇马达/Fan motor | | ---- | | ---- | | 460V 60Hz 0.7kW | | | 2 | ---- | | (1) | |
| | EH1 | 曲轴箱加热带/Crankcase heating band | | ---- | | ---- | | 24VAC 35W | | | 1 | ---- | | (1) | |
| | S12 | 远程开关/Remote switch | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) (3) | |
| | S0 | 流量传感器/Flow sensor | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) | |
| B | S10 | 水位开关/Water level switch | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) (2) | |
| | S11 | 冷冻水流开关/(Chilled water flow switch) | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) | |
| | S5 S7 | 高压传感器/High pressure sensor | | ---- | | ---- | | ---- | | | 2 | ---- | | (1) | |
| | S4 S6 | 低压传感器/Low pressure sensor | | ---- | | ---- | | ---- | | | 2 | ---- | | (1) | |
| Notes: (1)Materials not in the control box, (2)Optional Water level switch, (3)Optional remote switch, (4)Optional liquid pipe valve. | | | | | | | | | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 | 0 | 标题 | SIC-66A-R2 | 图号 | SIC-66A-R2-UL-460V-0-6 | 比例 | | 第 6 张 |
| | | | | | 设计 | | 核 | | 电气元件明细表二 | | | | 标准 | UL | 共 6 张 |
| | | | | | 校对 | | 准 | |  | 信易電熱機械股份有限公司 | | 机器电压 | 3φ460V | | |
| | 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | Shini Plastics Technologies, Inc. | | 机器频率 | 60Hz | | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |

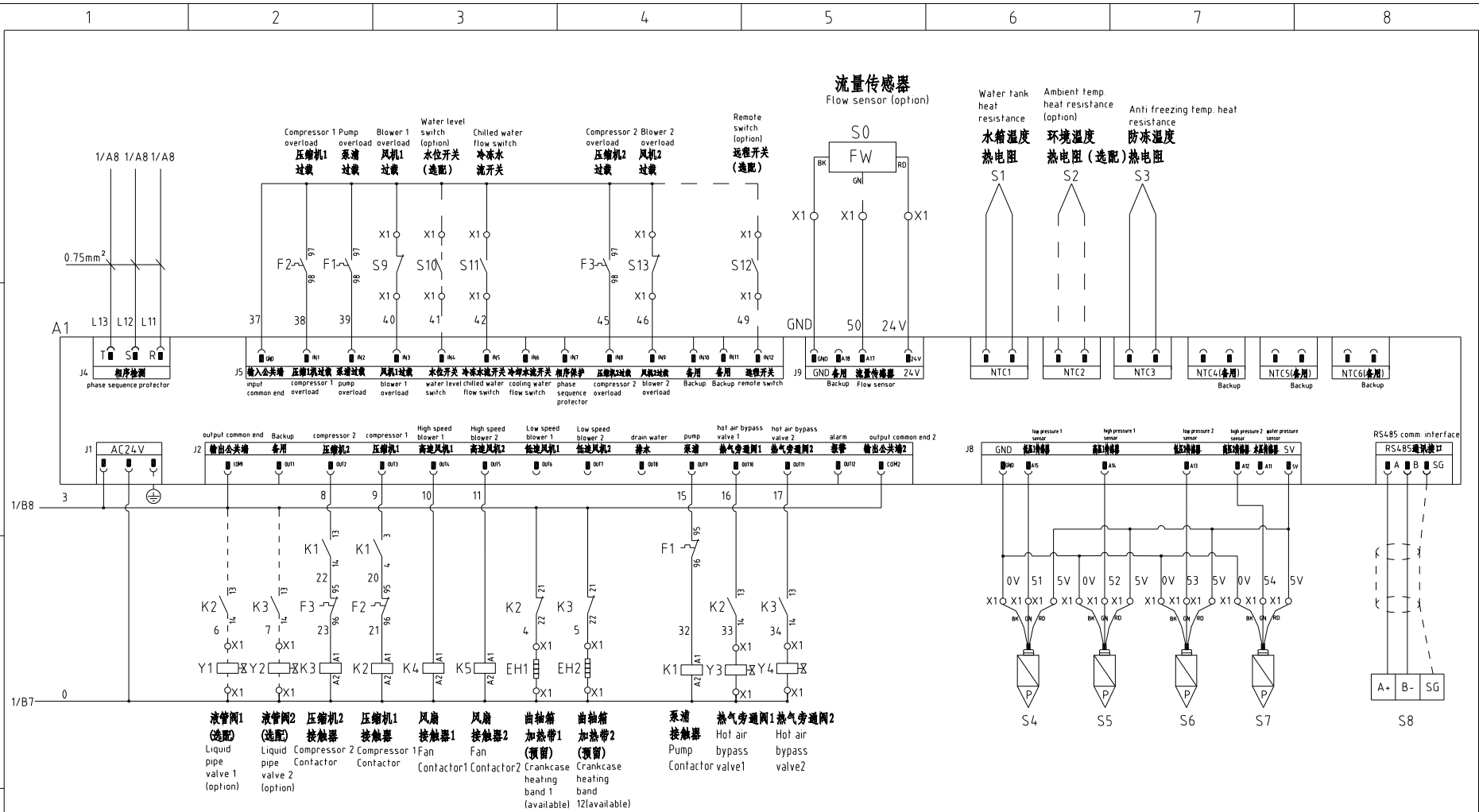


Note: When the main power voltage is 440V, the input terminal of the control transformer must be connected to the terminal of 440V power.
 注: 当主电源电压为440V时, 控制变压器的输入端须接到440V端子

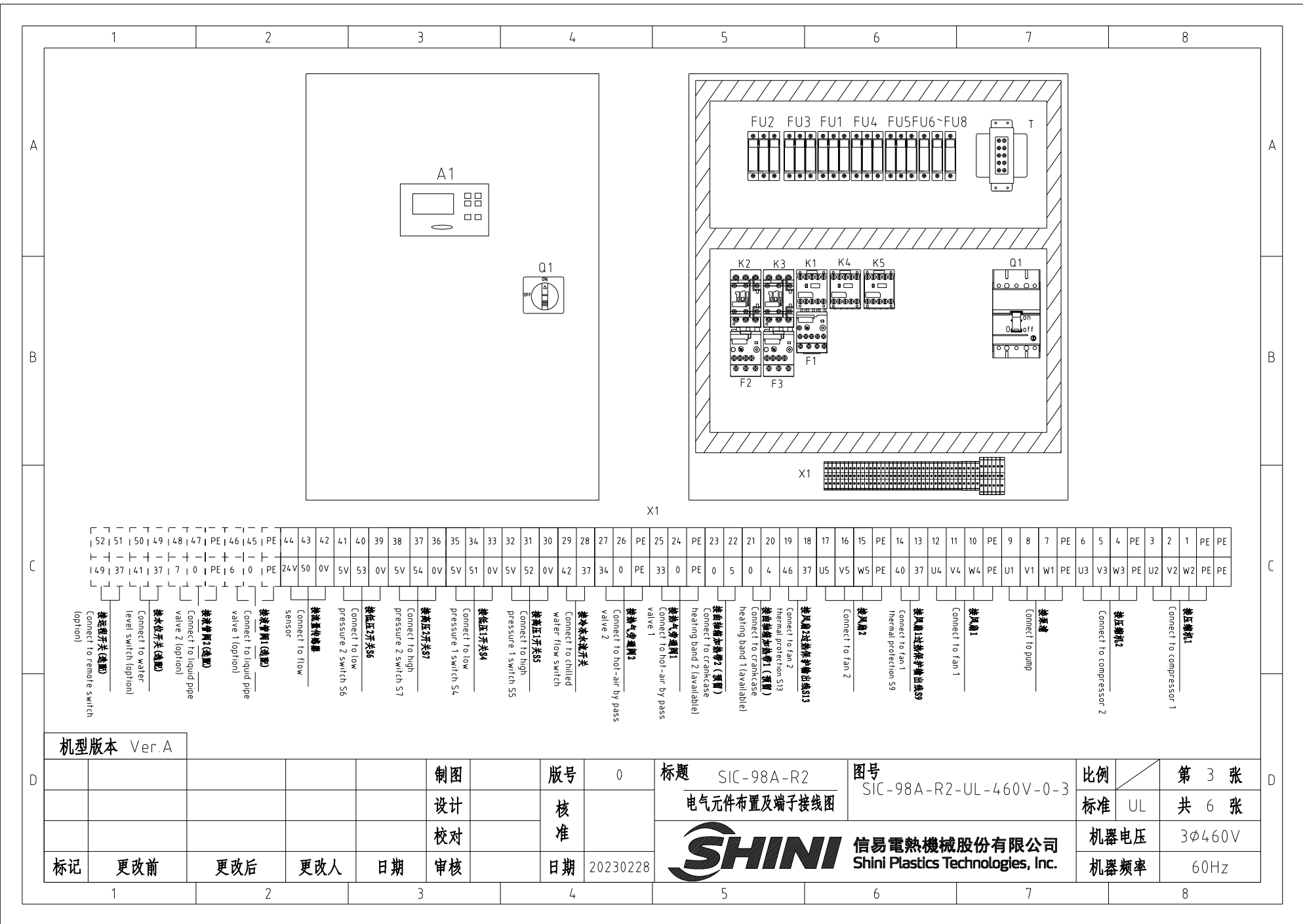
机型版本 Ver.A

| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|---|------------|------|------------------------|-------|-------|
| | | | | | 制图 | 版号 | 0 | 标题 | SIC-98A-R2 | 图号 | SIC-98A-R2-UL-460V-0-1 | 比例 | 第 1 张 |
| | | | | | 设计 | 核准 | | 主电路图 | | 标准 | UL | 共 6 张 | |
| | | | | | 校对 | 日期 | 20230228 |  信易电热机械股份有限公司 Shini Plastics Technologies, Inc. | | 机器电压 | 3φ460V | | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | 机器频率 | 60Hz | | |

1 2 3 4 5 6 7 8



| | | | | | | | | | | | | | | | |
|------------|-----|-----|-----|----|----|----|----------|------|---|------------|------|------------------------|-------|----|-------|
| 机型版本 Ver.A | | | | | | 制图 | 版号 | 0 | 标题 | SIC-98A-R2 | 图号 | SIC-98A-R2-UL-460V-0-2 | | 比例 | 第 2 张 |
| | | | | | | 设计 | 核准 | | 控制电路图 | | 标准 | UL | 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 | 3φ460V | | | |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | 机器频率 | | | 60Hz | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----|-----|-----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|---|----|----|----|------------------------------------|----|----|----|--|----|----|----|---|----|----|----|--|----|----|----|---|----|----|----|---|----|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|----------------------------|--|--|--|--|--|--|--|----------------------------|--|--|--|-------------------------|--|--|--|------------------------------------|--|--|--|------------------------------------|--|--|--|
| 52 | 51 | 50 | 49 | 48 | 47 | PE | 46 | 45 | PE | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | PE | 25 | 24 | PE | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | PE | 14 | 13 | 12 | 11 | 10 | PE | 9 | 8 | 7 | PE | 6 | 5 | 4 | PE | 3 | 2 | 1 | PE | PE | PE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 149 | 141 | 137 | 130 | 10 | PE | 6 | 0 | PE | 24V | 50 | 0V | 5V | 53 | 0V | 5V | 54 | 0V | 5V | 0V | 51 | 5V | 52 | 0V | 42 | 37 | 34 | 0 | PE | 33 | 0 | PE | 0 | 5 | 0 | 4 | 6 | 37 | 46 | U5 | V5 | W5 | PE | 40 | 37 | U4 | V4 | W4 | PE | U1 | V1 | W1 | PE | U3 | V3 | W3 | PE | U2 | V2 | W2 | PE | PE | PE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 接远程开关(线配) (Connect to remote switch option) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 接液位开关(线配) (Connect to liquid pipe level switch option) | | | | 接液位开关(线配) 阀2 (option) (Connect to liquid pipe valve 2 (option)) | | | | 接液量传感器 (Connect to flow sensor) | | | | 接低压开关S6 (Connect to low pressure 2 switch S6) | | | | 接高压开关S7 (Connect to high pressure 2 switch S7) | | | | 接高压开关S4 (Connect to low pressure 1 switch S4) | | | | 接高压开关S5 (Connect to high pressure 1 switch S5) | | | | 接冷水液流开关 (Connect to chilled water flow switch) | | | | 接热空气通阀2 (Connect to hot-air by pass valve 2) | | | | 接热空气通阀1 (Connect to hot-air by pass valve 1) | | | | 接热空气通阀2 (可选) (Connect to crankcase heating band 2 (available)) | | | | 接热空气通阀1 (可选) (Connect to crankcase heating band 1 (available)) | | | | 接风扇2过热保护输出S13 (Connect to fan 2 thermal protection S13) | | | | 接风扇1 (Connect to fan 1) | | | | 接风扇2过热保护输出S9 (Connect to fan 2 thermal protection S9) | | | | 接风扇1 (Connect to fan 1) | | | | 接泵 (Connect to pump) | | | | 接压缩机2 (Connect to compressor 2) | | | | 接压缩机1 (Connect to compressor 1) | | | |

机型版本 Ver.A

| | | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----------|---|----|---|----|------------------------|------|--------|-------|
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 制图 | 版号 | 0 | 标题 | SIC-98A-R2 | 图号 | SIC-98A-R2-UL-460V-0-3 | 比例 | 第 3 张 | |
| | | | | | 设计 | 核准 | | | 电气元件布置及端子接线图 | | | 标准 | UL | 共 6 张 |
| | | | | | 校对 | 核准 | | | SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc. | | | 机器电压 | 3φ460V | |
| | | | | 审核 | 日期 | 20230228 | | | | | | 机器频率 | 60Hz | |

A

A

B

B

C

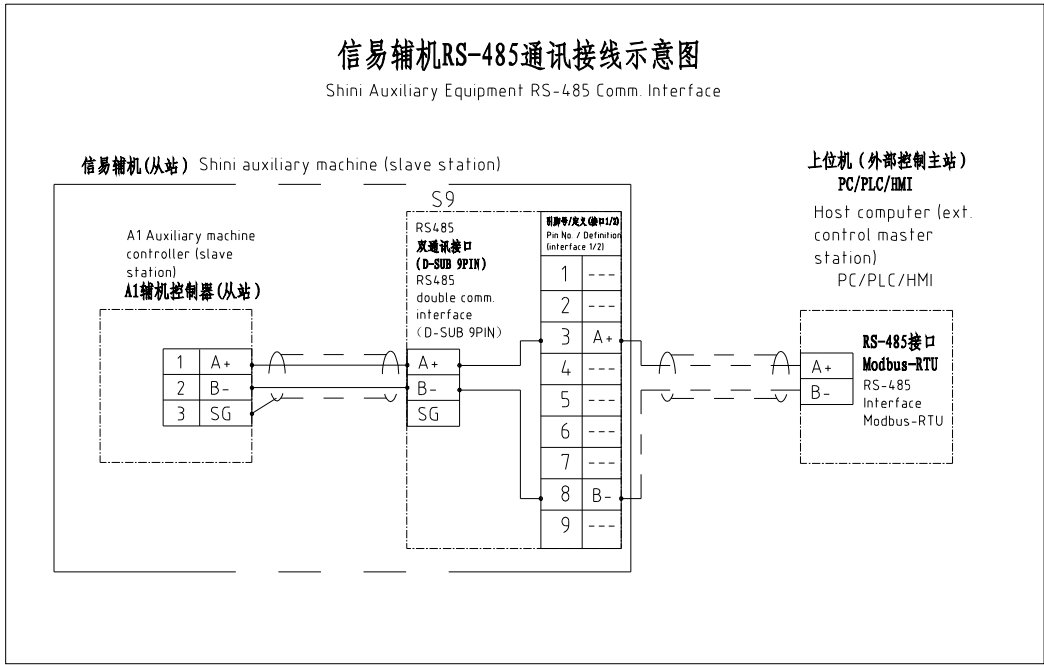
C

D

D

信易辅机RS-485通讯接线示意图

Shini Auxiliary Equipment RS-485 Comm. Interface



信易RS-485接口定义

Shini RS-485 interface definition

接口1
Interface 1

接口2
Interface 2

| 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.A

| | | | | | | | | | | | | | |
|----|-----|-----|-----|----|----|----|----------|----|------------|----|------------------------|------|--------|
| | | | | | 制图 | 版号 | 0 | 标题 | SIC-98A-R2 | 图号 | SIC-98A-R2-UL-460V-0-4 | 比例 | 第 4 张 |
| | | | | | 设计 | 核准 | | | 通讯接线图 | | | 标准 | UL |
| | | | | | 校对 | | | | | | | 机器电压 | 3φ460V |
| 标记 | 更改前 | 更改后 | 更改人 | 日期 | 审核 | 日期 | 20230228 | | | | | 机器频率 | 60Hz |



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

| 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 | | ABB | | A1A125TMF100 | | 100A | | ---- | 1 | YE41110200000 | | | | | | | | | |
| | 2 | FU1 FU4 FU5 | 熔断器/Fuse | | WOHNER | | 31113/3P | | 32A/690V/10×38 | | ---- | 3 | YE41320300100 | | | | | | | | | |
| | 3 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 32A | | ---- | 3 | YE46032000000 | | | | | | | | | |
| | 4 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 10A | | ---- | 6 | YE46010000000 | | | | | | | | | |
| | 5 | FU2 FU3 | 熔断器/Fuse | | WOHNER | | 31123 3P | | 100A/690V/22×58 | | ---- | 2 | YE41311230000 | | | | | | | | | |
| | 6 | | 熔断器芯/Fuse Core | | MRO | | (22×58)660V | | 100A | | ---- | 6 | YE46010058000 | | | | | | | | | |
| | 7 | FU6 FU7 FU8 | 熔断器/Fuse | | WOHNER | | 31110/1P | | 32A/690V/10×38 | | ---- | 3 | YE46002000300 | | | | | | | | | |
| B | 8 | | 熔断器芯/Fuse Core | | MRO | | (10×38)660V | | 2A | | ---- | 3 | YE46002000000 | | | | | | | | | |
| | 9 | K1 | 接触器/Contactor | | SIEMENS | | 3RT6017-1AB01 | | 24 VAC | | ---- | 1 | YE00601702500 | | | | | | | | | |
| | 10 | K2 K3 | 接触器/Contactor | | SIEMENS | | 3RT6028-1AC20 | | 24 VAC | | ---- | 2 | YE00602802600 | | | | | | | | | |
| | 11 | | 辅助触点 Auxiliary contactor | | SIEMENS | | 3RH6911-1HA11 | | 1NC+1NO | | ---- | 3 | YE00691100100 | | | | | | | | | |
| | 12 | F1 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6116-1JB0 | | 7-10A | | ---- | 1 | YE01167100000 | | | | | | | | | |
| | 13 | F2 F3 | 热过载继电器/Overload relay | | SIEMENS | | 3RU6126-4PB0 | | 30-36A | | ---- | 2 | YE01612630000 | | | | | | | | | |
| | 14 | A1 | 控制器/Controller | | PUNP | | 双压缩机 Double compressor water chiller controller SF3090A01 | | AC 24V | | ---- | 1 | YE80317500100 | | | | | | | | | |
| C | 15 | T1 | 变压器/Transformer | | JIUXIN | | IN=440/460V OUT=24V | | 180VA | | ---- | 1 | YE70044006700 | | | | | | | | | |
| | 16 | S1 S3 | 防冻温度热电阻/Anti-frozen RTD | | PUNP | | RTD | | 4X85 4M 1/4PT | | ---- | 2 | YE90001400700 | | | | | | | | | |
| | 17 | S8 | 通信接口板RS-485 (双Dsub-9pin接头) Communication interface board RS-485 (double Dsub-9pin connector) | | YUYUN | | ---- | | ---- | | ---- | 1 | YE90048501200 | | (1) | | | | | | | |
| | 18 | | 外壳RS485 (SAL-700G-A-19) 0版 Shell RS485(SAL-700G-A-19)0 | | BINCHENG | | ---- | | ---- | | ---- | 1 | YR40048500000 | | (1) | | | | | | | |
| | 19 | X1 X2 | 端子排/Terminal board | | HONEYWELL | | SK2 5 | | 2.5mm ² | | ---- | 30 | YE60002503200 | | | | | | | | | |
| | 20 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK2 5PE | | 2.5mm ² PE | | ---- | 7 | YE60002503400 | | | | | | | | | |
| | 21 | | 端子排/Terminal board | | HONEYWELL | | SK4 | | 4.0mm ² | | ---- | 16 | YE60000403200 | | | | | | | | | |
| | 22 | | 端子排/Terminal board | | HONEYWELL | | GK10 | | 10.0mm ² | | ---- | 6 | YE60001003200 | | | | | | | | | |
| | 23 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK10PE | | 10.0mm ² PE | | ---- | 2 | YE60001003500 | | | | | | | | | |
| | 24 | | 接地端子排/Grounding terminal board | | HONEYWELL | | GK16PE | | 16.0mm ² PE | | ---- | 1 | YE60001603500 | | | | | | | | | |
| | 25 | | 终端固定件E/GK系列(霍尼韦尔) Terminal fittings E/GK series(honeywell) | | HONEYWELL | | ---- | | ---- | | ---- | 8 | YE60000003900 | | | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 Notes: (1)Materials not in the control box, (2)Optional Water level switch (3)Optional remote switch (4)Optional liquid pipe valve. | | | | | | | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版本号 | | 0 | | 标题 | | SIC-98A-R2 | | 图号 | | SIC-98A-R2-UL-460V-0-5 | | 比例 | | 第 5 张 | |
| | | | | | 设计 | | 核 | | | | 电气元件明细表一 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 20230228 | | 机器频率 | | 60Hz | | | | | |
| 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 | 26 | Y1 Y2 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | | 2 | ---- | | (1) (4) | | | | | | | |
| | 27 | Y3 Y4 | 电磁阀/Solenoid valve | | ---- | | ---- | | 24VAC | | | 2 | ---- | | (1) | | | | | | | |
| | 28 | M1 | 泵浦马达/Pump motor | | ---- | | ---- | | 460V 60Hz 5.5KW | | | 1 | | | (1) | | | | | | | |
| | 29 | M2 | 压缩机/Compressor | | ---- | | ---- | | 460V 60Hz 12.35kW | | | 2 | | | (1) | | | | | | | |
| | 30 | M3 | 风扇马达/Fan motor | | ---- | | ---- | | 460V 60Hz 0.7kW | | | 2 | ---- | | (1) | | | | | | | |
| | 31 | EH1 | 曲轴箱加热带/Crankcase heating band | | ---- | | ---- | | 24VAC 35W | | | 1 | | | (1) | | | | | | | |
| | 32 | S12 | 远程开关/Remote switch | | ---- | | ---- | | ---- | | | 1 | | | (1) (3) | | | | | | | |
| B | 33 | S0 | 流量传感器/Flow sensor | | ---- | | ---- | | ---- | | | 1 | ---- | | (1) | | | | | | | |
| | 34 | S10 | 水位开关/Water level switch | | ---- | | ---- | | ---- | | | 1 | | | (1) (2) | | | | | | | |
| | 35 | S11 | 冷冻水流开关/Chilled water flow switch | | ---- | | ---- | | ---- | | | 1 | | | (1) | | | | | | | |
| | 36 | S5 S7 | 高压传感器/High pressure sensor | | ---- | | ---- | | ---- | | | 2 | | | (1) | | | | | | | |
| | 37 | S4 S6 | 低压传感器/Low pressure sensor | | ---- | | ---- | | ---- | | | 2 | | | (1) | | | | | | | |
| Notes: (1)Materials not in the control box. (2)Optional Water level switch. (3)Optional remote switch. (4)Optional liquid pipe valve. | | | | | | | | | | | | | | | | | | | | | | |
| 机型版本 Ver.A | | 注: (1)表示非电控箱内材料, (2)选配水位开关, (3)选配远程开关, (4)选配液管阀 | | | | | | | | | | | | | | | | | | | | |
| D | | | | | 制图 | | 版号 | | 0 | | 标题 | | SIC-98A-R2 | | 图号 | | SIC-98A-R2-UL-460V-0-6 | | 比例 | | 第 6 张 | |
| | | | | | 设计 | | 核 | | | | 电气元件明细表二 | | | | 标准 | | UL | | | | 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 | | 3φ460V | | | | | | | |
| | 标记 | | 更改前 | | 更改后 | | 更改人 | | 日期 | | | | 20230228 | | 机器频率 | | 60Hz | | | | | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | | | | | | | |