

X3 touch panel RS485 comm. wiring diagram

X4 CPU ST30 PORT 0(D-sub 9PIN)

版本 Ver.C

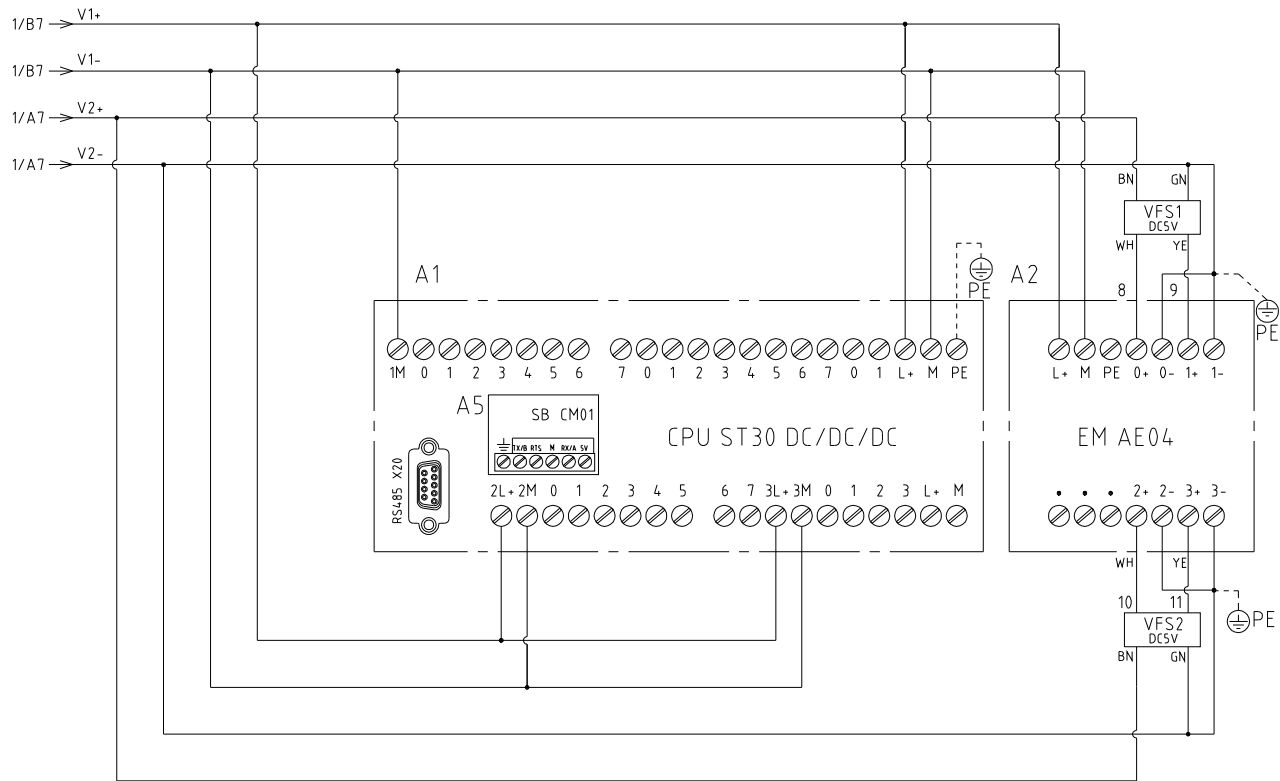
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Drawer	Version	Title	Drawing NO.	Scale	Page
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Designer	Approved by	SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage	1φ230V
Proofread by	Date			Frequency	50/60Hz
				Standard	Totally 4 Pages



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Shini Plastics Technologies, Inc.

Voltage	1φ230V
Frequency	50/60Hz
Standard	Totally 4 Pages



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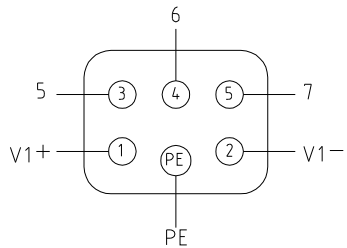
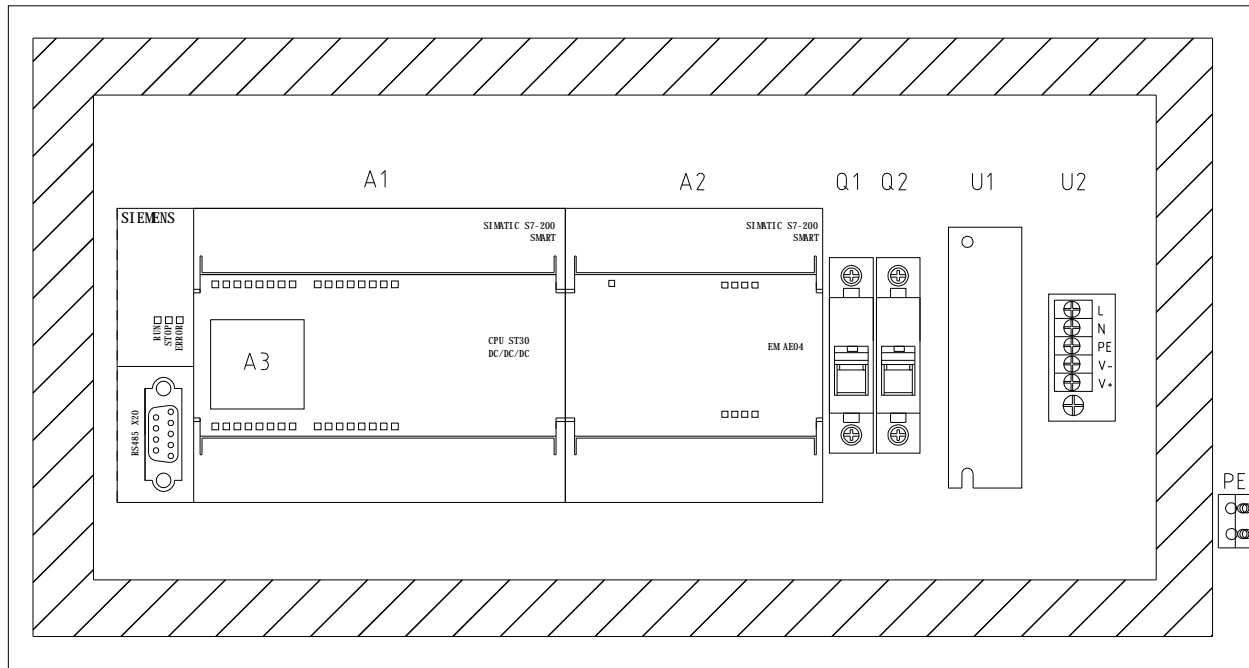
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Control Circuit Diagram

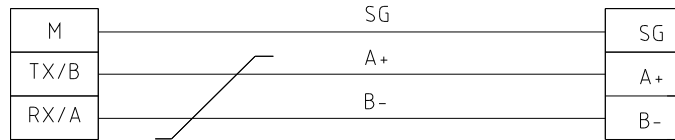
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Shini Plastics Technologies, Inc.

Scale	Page	2
Standard	CE	Totally 4 Pages
Voltage	1φ230V	
Frequency	50/60Hz	




X2 Heavy-duty connector Wiring Diagram



SB CM01

S2 RS485 double communication ports
(D-sub 9PIN)

版本 Ver.C

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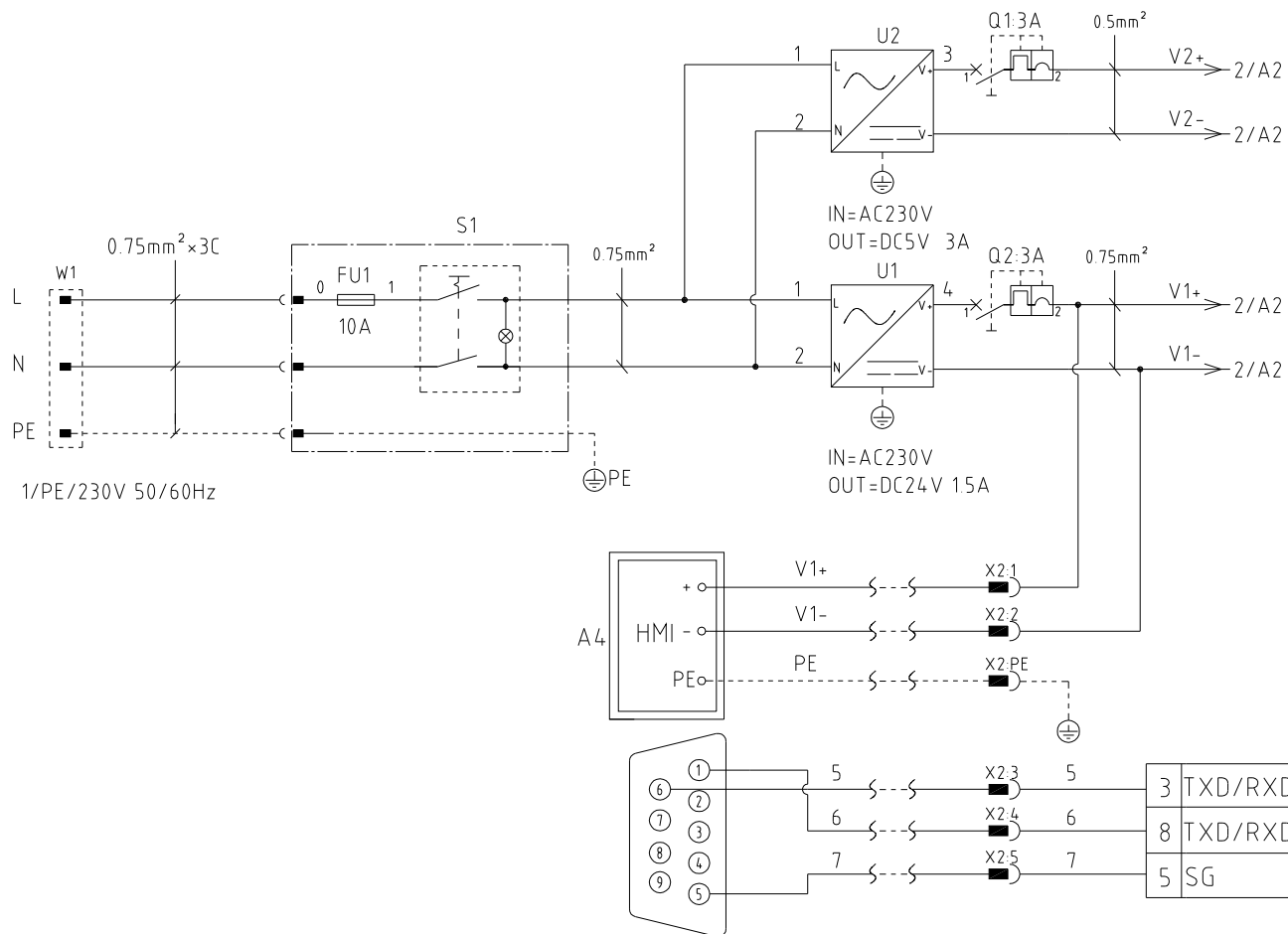
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1	S1	Alternative switch		MISUMI		APCJ-101-1FR		Alternative switch+power plug-in		1	YE15111300000				
2	W1	Power Line		DIQIN		0.75X3C/3P		10A(3M/pcs)		1	YE50316300000				
3	FU1	Fuse core		JIANDONG		5×20		10A		1	YE46521000000				
4	Q1 Q2	Circuit Breakers		TECO		BM-63C/1003S 1P		3A		2	YE40100203000				
5	A1	Programmable logic controller		SIEMENS		CPU ST30 DC/DC/DC		24VDC 50/60Hz		1	YE81003006100				
6	A2	PLC extended module		SIEMENS		4-input analog quantity module EM AE04		24VDC 50/60Hz		1	YE82000400100				
7	A3	PLC extended module		SIEMENS		Comm extended signal board SB CM01		--		1	YE90000201300				
8	U1	DC Power		MEANWELL		LRS-35-24		IN=100-240V OUT=24VDC 1.5A		1	YE71352400100				
9	U2	DC Power		MEANWELL		RS-15-5		IN=100-240V OUT=5VDC 3A		1	YE71155500000				
10	A4	Human-machine interface		FLEXEM		F007R		24VDC 50/60Hz		1	YE80072400000				
11	X2	Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-M(Common socket)		5P(side wire)		1	YE68000501600				
12		Cable clamp		JUGUANG		PG11		----		1	YE67001100000				
13		Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-F (Female)		5P		1	YE68000501400				
14		Cold presser (male)		HARTING		16A-Han E-2.5(Male)		----		2	YE68001601400				
15		Cold presser (Female)		HARTING		16A-Han E-2.5(Female)		----		2	YE68001601500				
16	X3	9 pin D-sub connector		DIQIN		9 pin D-sub connector(Female)		9P		1	YE62090000100				
17	X4	9 pin D-sub connector		DIQIN		9 pin D-sub connector (Male)		9P		1	YE62090000000				
18		Terminal fittings E/GK series(honeywell)		HONEYWELL		----		----		2	YE60000003900				
19	S2	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
20		Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		1	YR40048500000				
版本 Ver.C															
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Mark		Before modification		After modification		20210827				Frequency		50/60Hz			
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X3 touch panel RS485 comm. wiring diagram

X4 CPU ST30 PORT 0(D-sub 9PIN)

版本 Ver.C

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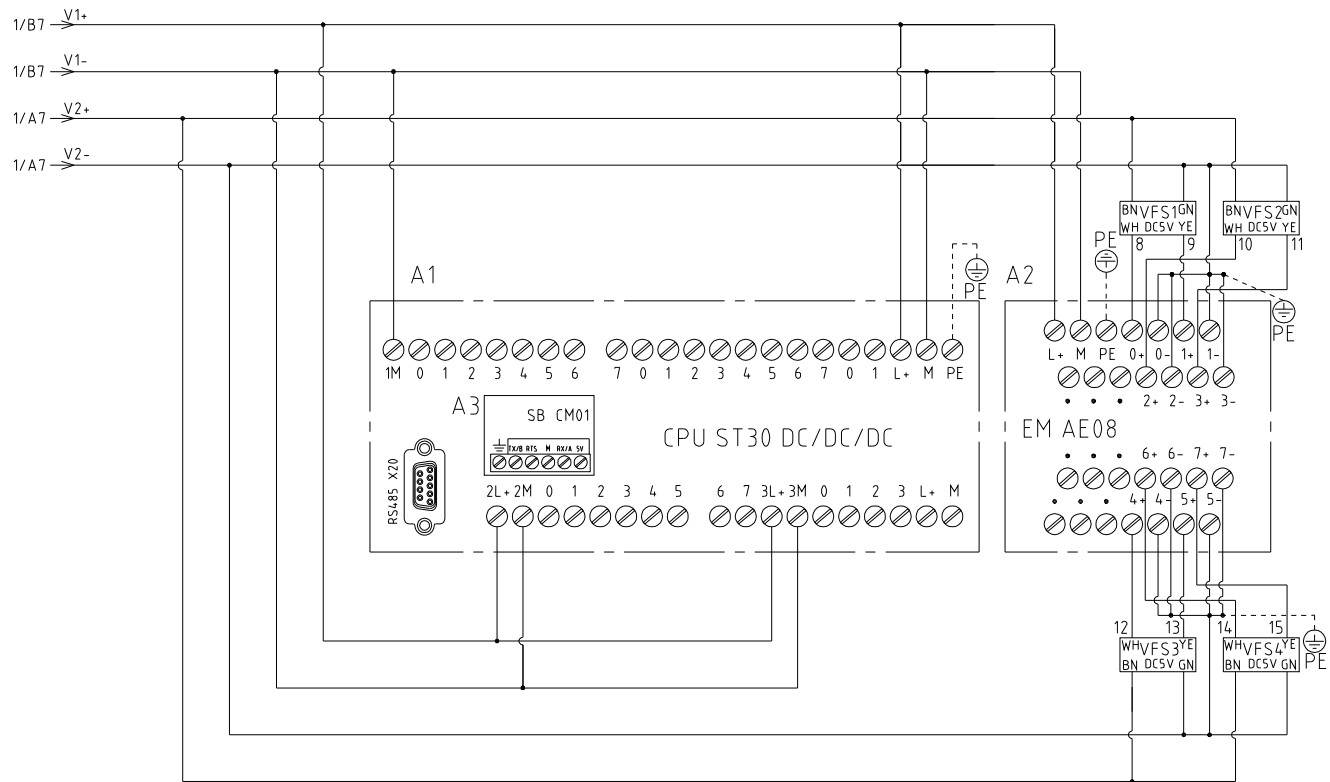
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Title SIFR-400
Control Circuit Diagram

Drawing NO. SIFR-400-CE-230V-B-2

Scale	Page 2
Standard CE	Totally 4 Pages



Voltage	1φ230V
Frequency	50/60Hz

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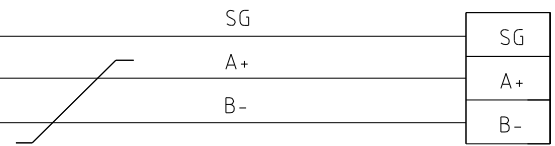
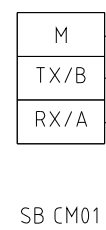
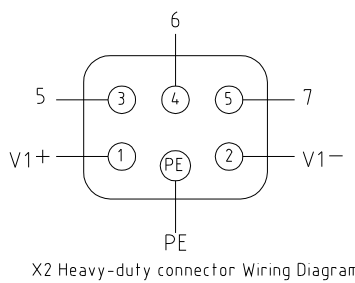
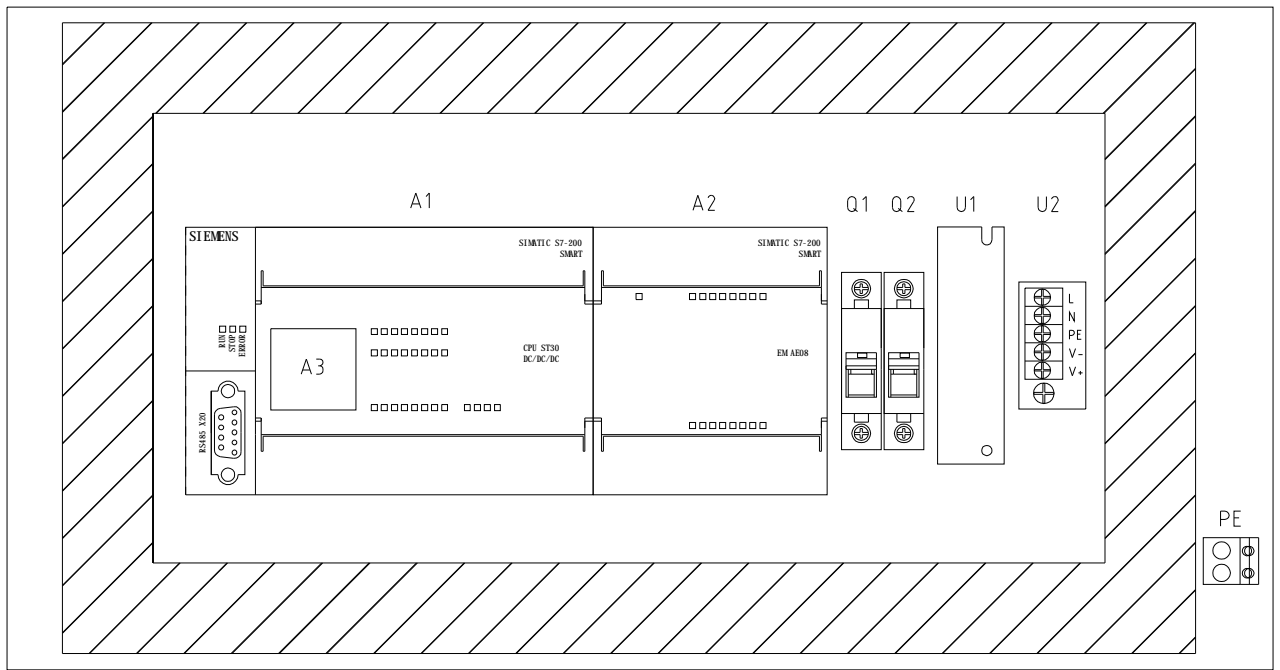
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版本 Ver.C

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 Electrical Components Layout

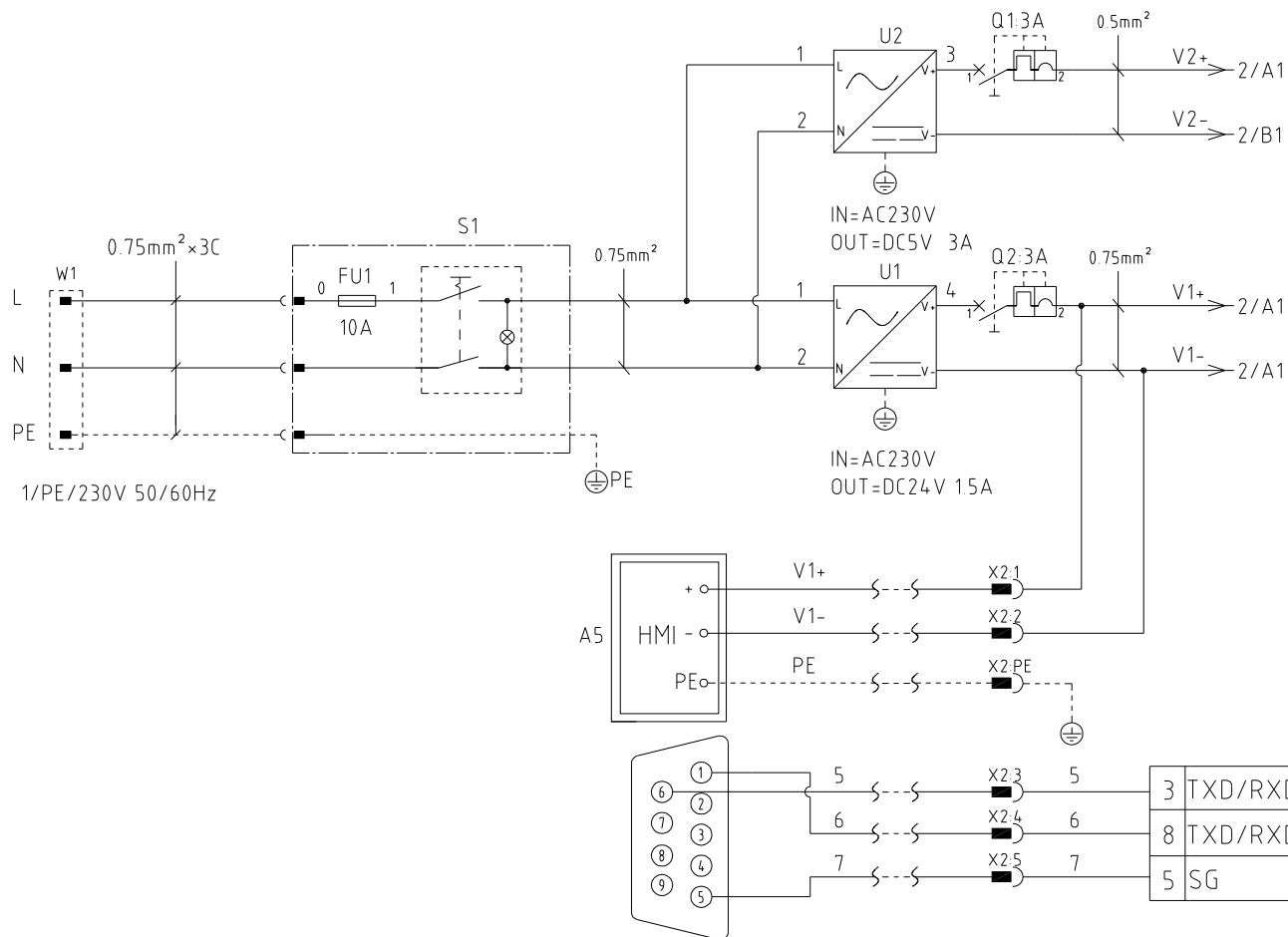
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 Shini Plastics Technologies, Inc.

Scale	Page	3
Standard	CE	Totally 4 Pages
Voltage	1φ230V	
Frequency	50/60Hz	

1 2 3 4 5 6 7 8

D


1		2		3		4		5		6		7		8	
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
1	S1	Alternative switch		MISUMI		APCJ-101-1FR		Alternative switch+power plug-in		1	YE15111300000				
2	W1	Power Line		DIQIN		0.75X3C/3P		10A(3M/pcs)		1	YE50316300000				
3	FU1	Fuse core		JIANDONG		5×20		10A		1	YE46521000000				
4	Q1 Q2	Circuit Breakers		TECO		BM-63C/1003S 1P		3A		2	YE40100203000				
5	A1	Programmable logic controller		SIEMENS		CPU ST30 DC/DC/DC		24VDC 50/60Hz		1	YE81003006100				
6	A2	PLC extended module		SIEMENS		8-input analog quantity module EM AE08		24VDC 50/60Hz		1	YE82820000200				
7	A3	PLC extended module		SIEMENS		Comm. extended signal board SB CM01		--		1	YE90000201300				
8	U1	DC Power		MEANWELL		LRS-35-24		IN=100-240V OUT=24VDC 1.5A		1	YE71352400100				
9	U2	DC Power		MEANWELL		RS-15-5		IN=100-240V OUT=5VDC 3A		1	YE71155500000				
10	A4	Human-machine interface		FLEXEM		F007R		24VDC 50/60Hz		1	YE80072400000				
11	X2	Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-M(Common socket)		5P(side wire)		1	YE68000501600				
12		Cable clamp		JUGUANG		PG11		----		1	YE67001100000				
13		Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-F(Female)		5P		1	YE68000501400				
14		Cold presser (male)		HARTING		16A-Han E-2.5(Male)		----		2	YE68001601400				
15		Cold presser (Female)		HARTING		16A-Han E-2.5(Female)		----		2	YE68001601500				
16	X3	9 pin D-sub connector		DIQIN		9 pin D-sub connector(Female)		9P		1	YE62090000100				
17	X4	9 pin D-sub connector		DIQIN		9 pin D-sub connector (Male)		9P		1	YE62090000000				
18		Terminal fittings E/GK series(honeywell)		HONEYWELL		----		----		2	YE60000003900				
19	S2	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
20		Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		1	YR40048500000				
版本 Ver.C															
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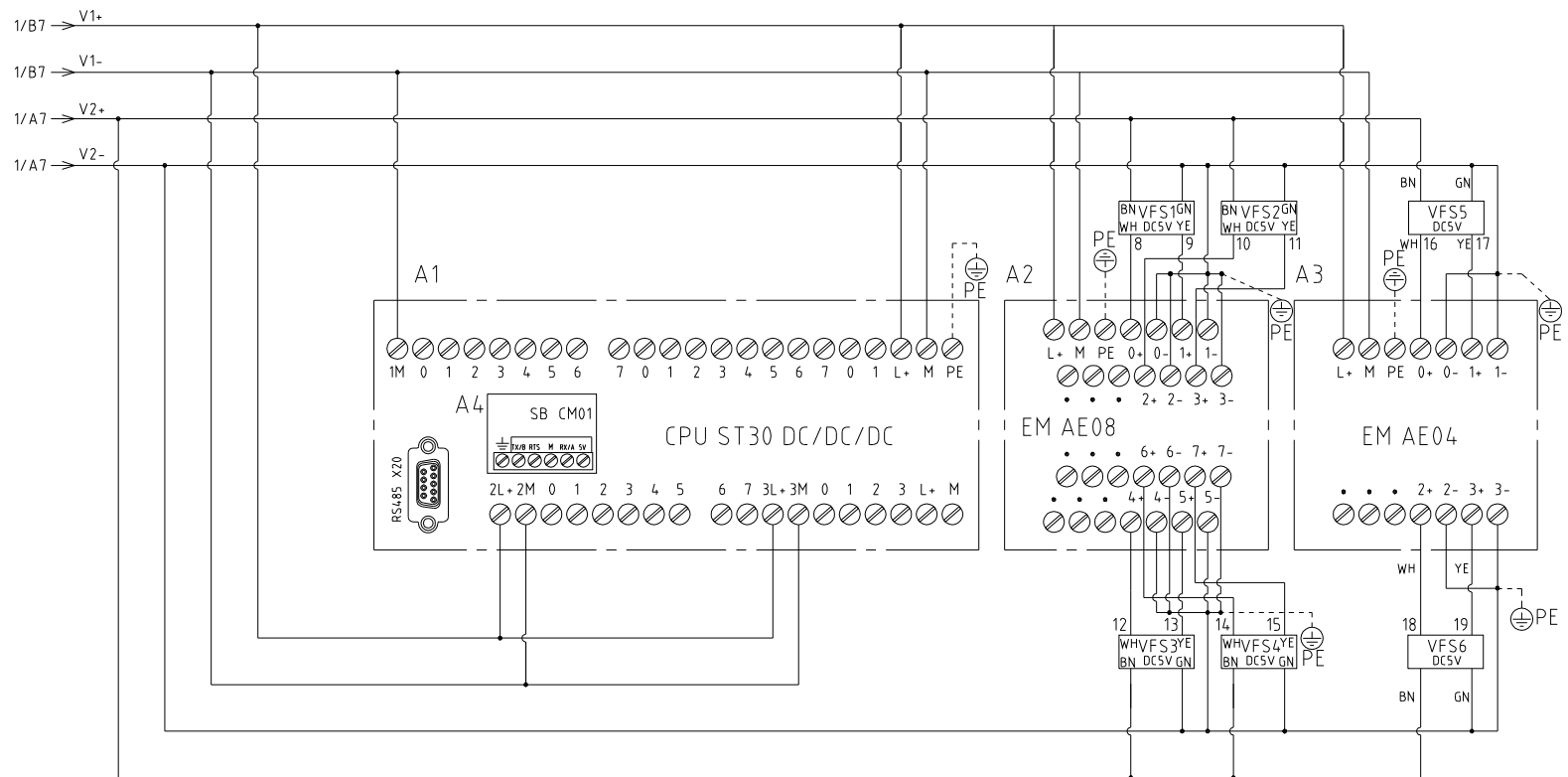
X3 touch panel RS485 comm. wiring diagram

X4 CPU ST30 PORT 0(D-sub 9PIN)


版本 Ver.C

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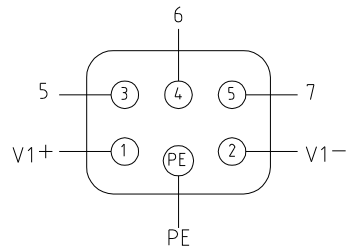
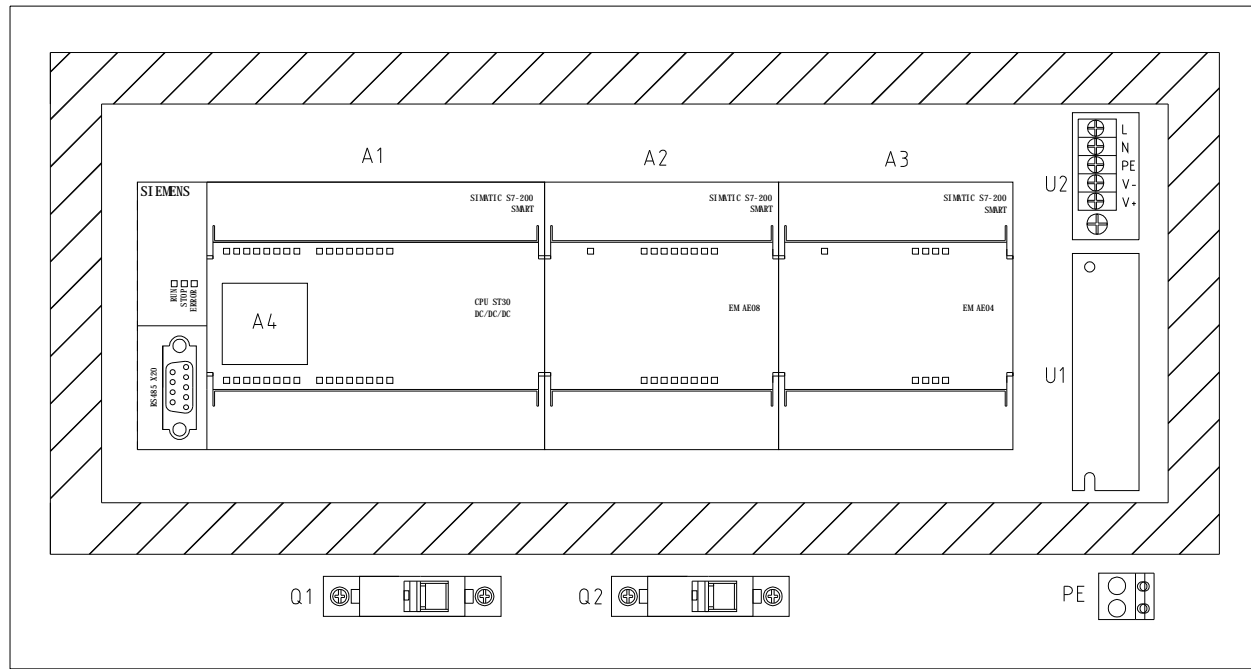
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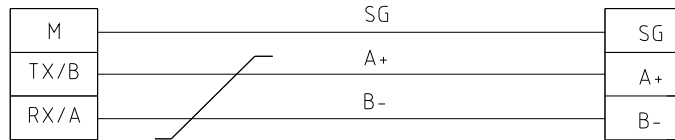
版本 Ver.C

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X2 Heavy-duty connector Wiring Diagram



SB CM01

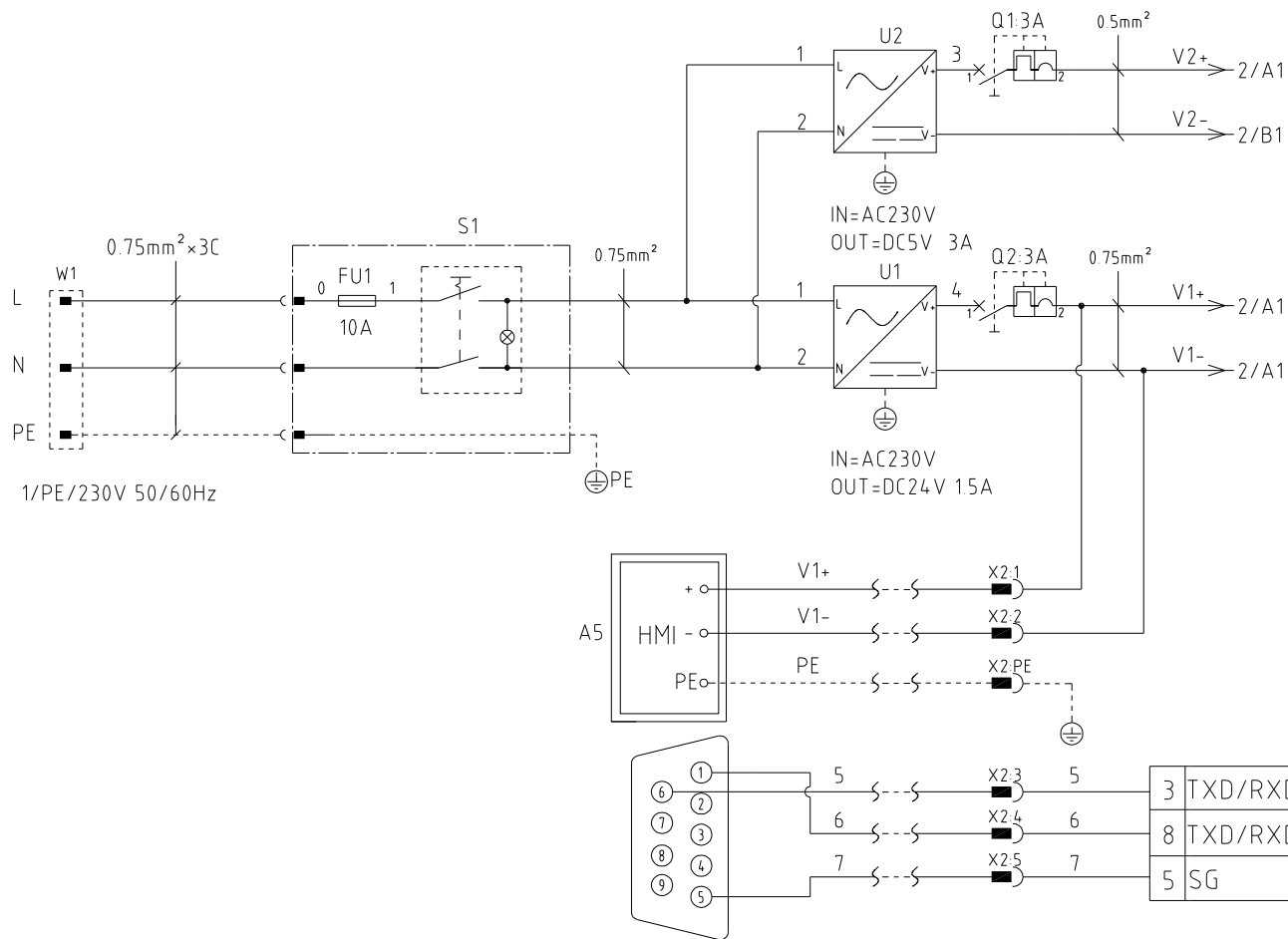
S2 RS485 double communication ports (D-sub 9PIN)

版本 Ver.C

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NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
1	S1	Alternative switch		MISUMI		APCJ-101-1FR		Alternative switch+power plug-in		1	YE15111300000				
2	W1	Power Line		DIQIN		0.75X3C/3P		10A(3M/pcs)		1	YE50316300000				
3	FU1	Fuse core		JIANDONG		5×20		10A		1	YE46521000000				
4	Q1 Q2	Circuit Breakers		TECO		BM-63C/1003S 1P		3A		2	YE40100203000				
5	A1	Programmable logic controller		SIEMENS		CPU ST30 DC/DC/DC		24 VDC 50/60Hz		1	YE81003006100				
6	A2	PLC extended module		SIEMENS		8-input analog quantity module EM AE08		24 VDC 50/60Hz		1	YE82820000200				
7	A3	PLC extended module		SIEMENS		4-input analog quantity module EM AE04		24 VDC 50/60Hz		1	YE82000400100				
8	A4	PLC extended module		SIEMENS		Comm. extended signal board SB CM01		--		1	YE90000201300				
9	U1	DC Power		MEANWELL		LRS-35-24		IN=100-240V OUT=24VDC 1.5A		1	YE71352400100				
10	U2	DC Power		MEANWELL		RS-15-5		IN=100-240V OUT=5VDC 3A		1	YE71155500000				
11	A5	Human-machine interface		FLEXEM		F007R		24 VDC 50/60Hz		1	YE80072400000				
12	X2	Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-MI(Common socket)		5P(side wire)		1	YE68000501600				
13		Cable clamp		JUGUANG		PG11		----		1	YE67001100000				
14		Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-F(Female)		5P		1	YE68000501400				
15		Cold presser (male)		HARTING		16A-Han E-2.5(Male)		----		2	YE68001601400				
16		Cold presser (Female)		HARTING		16A-Han E-2.5(Female)		----		2	YE68001601500				
17	X3	9 pin D-sub connector		DIQIN		9 pin D-sub connector(Female)		9P		1	YE62090000100				
18	X4	9 pin D-sub connector		DIQIN		9 pin D-sub connector (Male)		9P		1	YE62090000000				
19		Terminal fittings E/GK series(honeywell)		HONEYWELL		----		----		2	YE60000003900				
20	S2	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
21		Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		1	YR40048500000				
版本		Ver.C													
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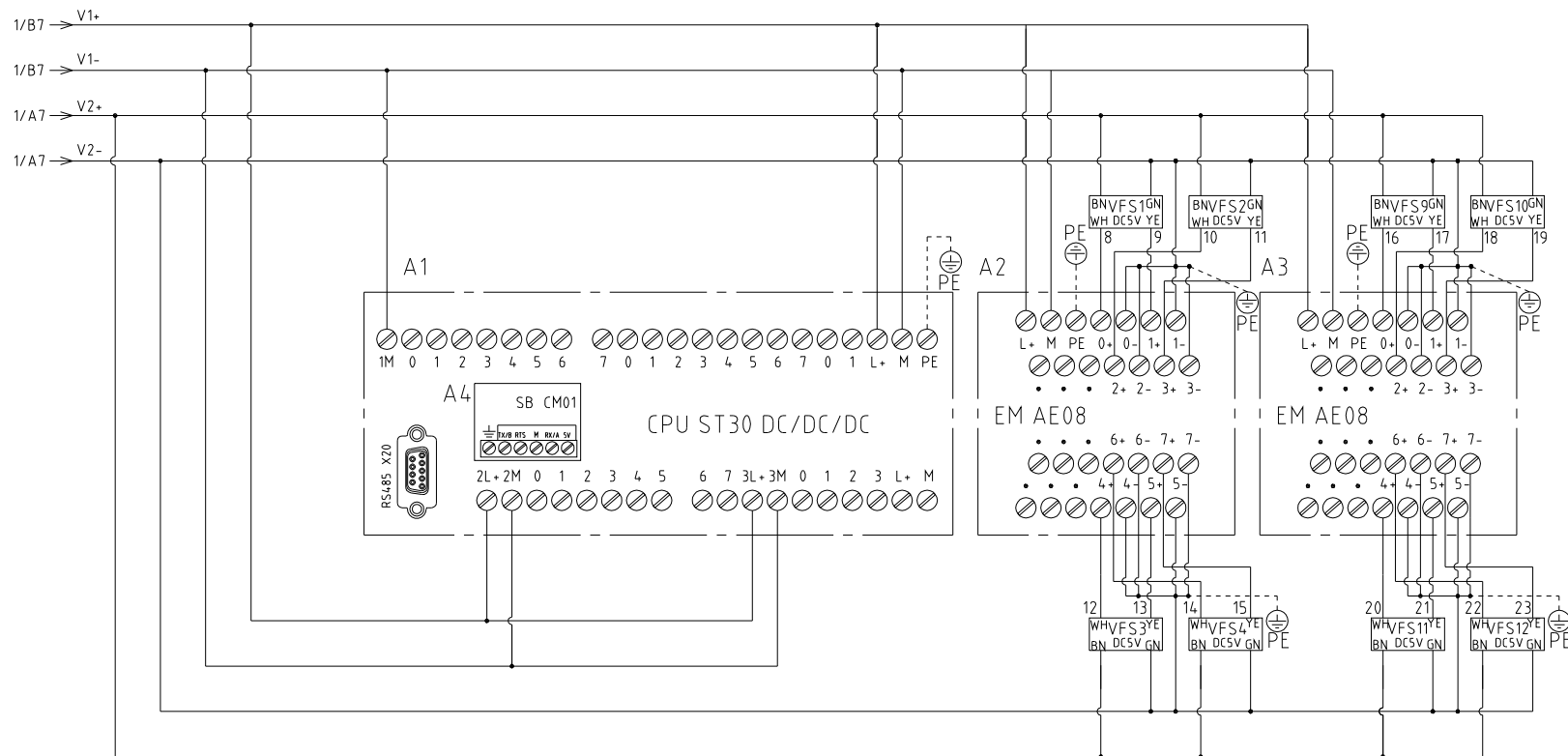
X3 touch panel RS485 comm. wiring diagram

X4 CPU ST30 PORT 0(D-sub 9PIN)

版本 Ver.C

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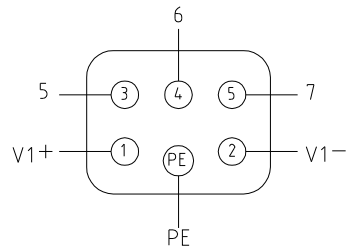
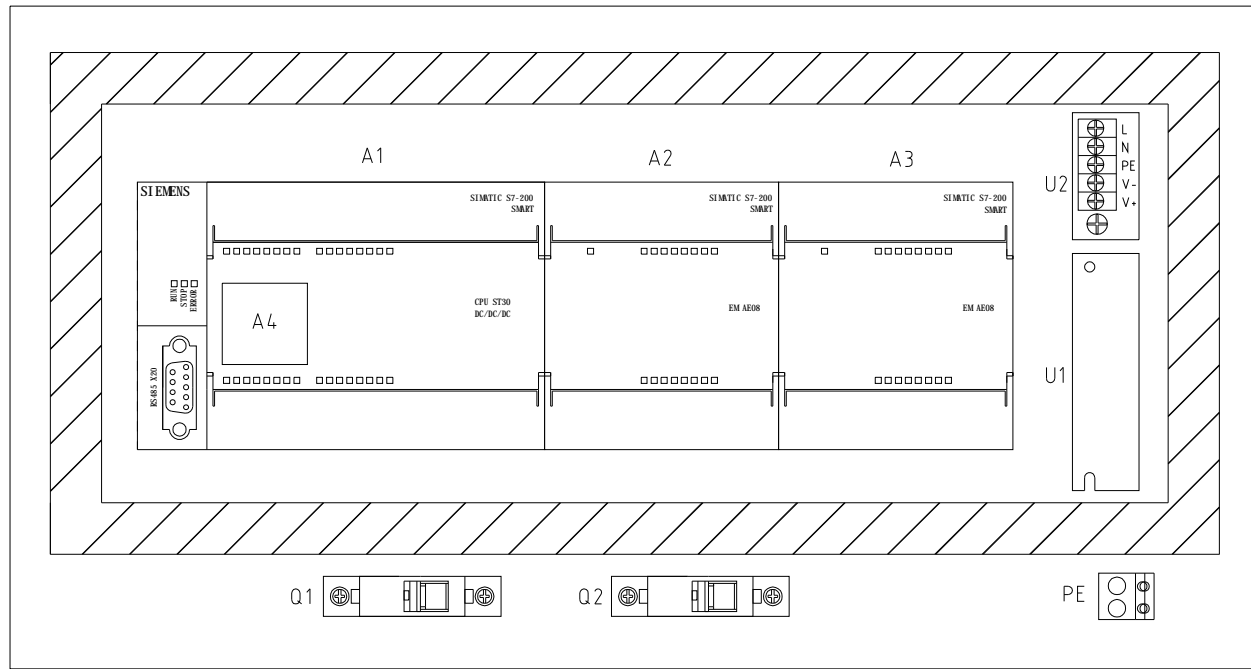
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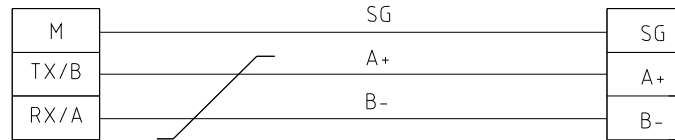
版本 Ver.C

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Mark	Before modification	After modification	Modified by	Checked by	Date	20210827	SHINI 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Frequency	50/60Hz
									Totally	4 Pages

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X2 Heavy-duty connector Wiring Diagram



SB CM01

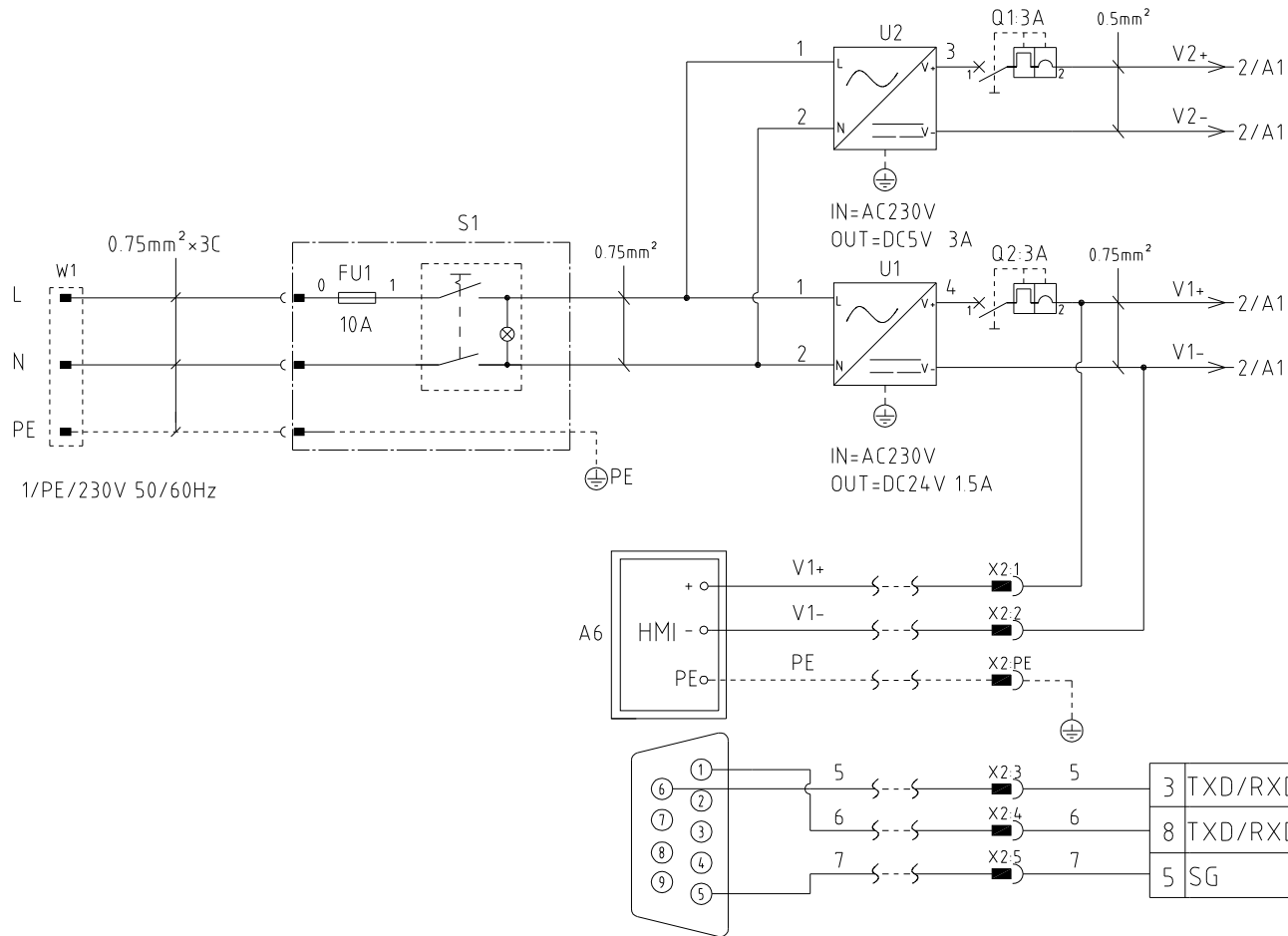
S2 RS485 double communication ports
(D-sub 9PIN)

版本 Ver.C

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Shini Plastics Technologies, Inc.

1		2		3		4		5		6		7		8	
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
1	S1	Alternative switch		MISUMI		APCJ-101-1FR-03		Alternative switch+power plug-in		1	YE15111300000				
2	W1	Power Line		DIQIN		0.75×3C		10A(3M/pcs)		1	YE50316300000				
3	FU1	Fuse core		JIANDONG		5×20		10A		1	YE46521000000				
4	Q1 Q2	Circuit Breakers		TECO		BM-63C/1003S 1P		3A		2	YE40100203000				
5	A1	Programmable logic controller		SIEMENS		CPU ST30 DC/DC/DC		24VDC 50/60Hz		1	YE81003006100				
6	A2 A3	PLC extended module		SIEMENS		8-input analog quantity module EM AE08		--		2	YE82820000200				
7	A4	PLC extended module		SIEMENS		Comm. extended signal board SB CM01		--		1	YE90000201300				
8	U1	DC Power		MEANWELL		LRS-35-24		IN=100-240V OUT=24VDC 1.5A		1	YE71352400100				
9	U2	DC Power		MEANWELL		RS-15-5		IN=100-240V OUT=5VDC 3A		1	YE71155500000				
10	A5	Human-machine interface		FLEXEM		F007R		24VDC 50/60Hz		1	YE80072400000				
11	X2	Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-M(Common socket)		5P(side wire)		1	YE68000501600				
12		Cable clamp		JUGUANG		PG11		----		1	YE67001100000				
13		Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-FF(Female)		5P		1	YE68000501400				
14		Cold presser (male)		HARTING		16A-Han E-2.5(Male)		----		2	YE68001601400				
15		Cold presser (Female)		HARTING		16A-Han E-2.5(Female)		----		2	YE68001601500				
16	X3	9 pin D-sub connector		DIQIN		9 pin D-sub connector(Female)		9P		1	YE62090000100				
17	X4	9 pin D-sub connector		DIQIN		9 pin D-sub connector (Male)		9P		1	YE62090000000				
18		Terminal fittings E/GK series(honeywell)		HONEYWELL		----		----		2	YE60000003900				
19	S2	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
20		Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		1	YR40048500000				
版本 Ver.C															
				Drawer		Version B		Title SIFR-800		Drawing NO.		Scale		Page 4	
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Mark		Before modification		After modification		20210827				Frequency		50/60Hz			
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X3 touch panel RS485 comm. wiring diagram

X4 CPU ST30 PORT 0(D-sub 9PIN)

版本 Ver.C

Mark		Before modification	After modification	Modified by	Modify date	Checked by	Date	20210827	Drawer	Version	B	Title	SIFR-1000 Main Circuit Diagram	Drawing NO.	SIFR-1000-CE-230V-B-1	Scale	CE	Page	1		
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2

3

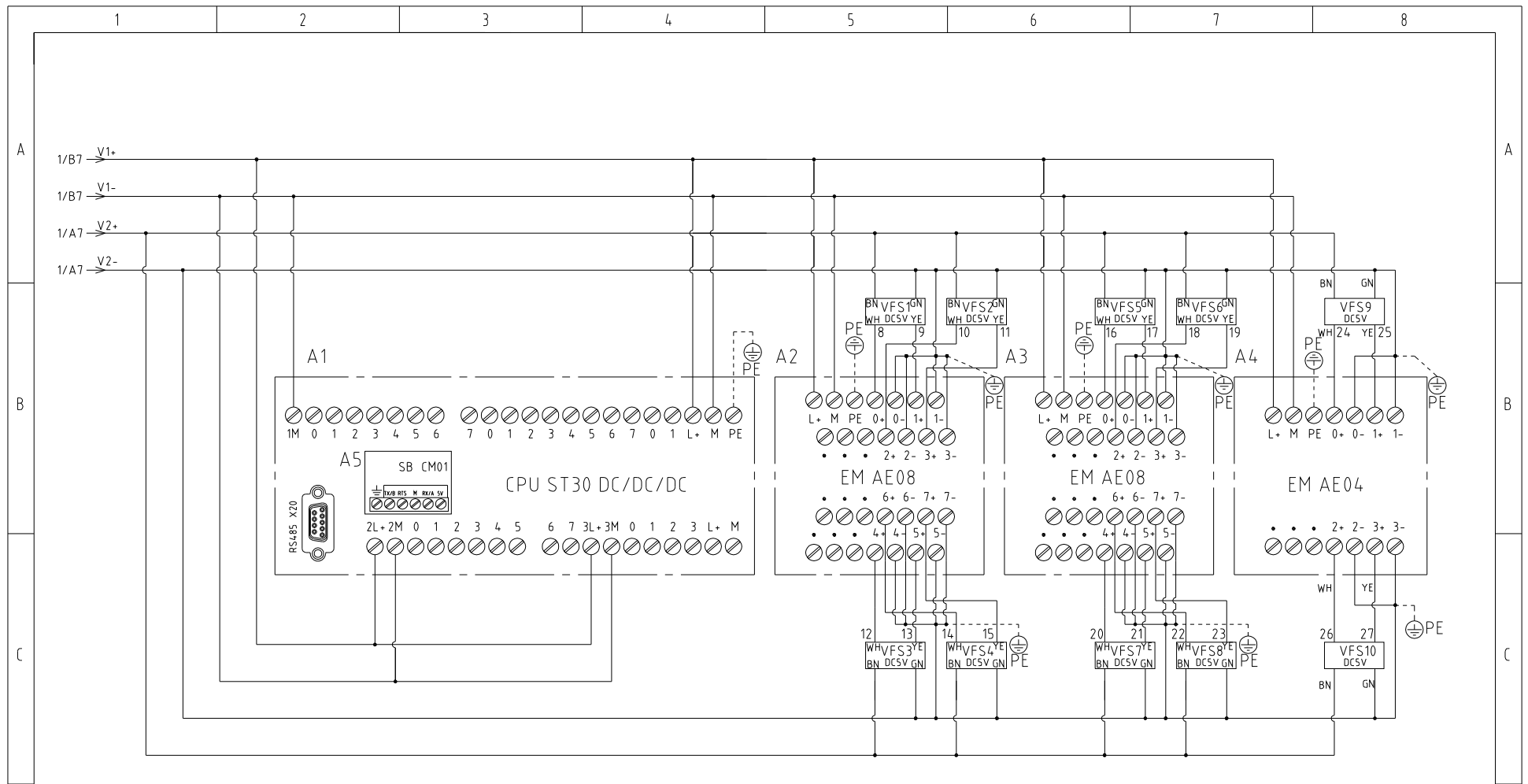
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8



版本 Ver.C

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20210827
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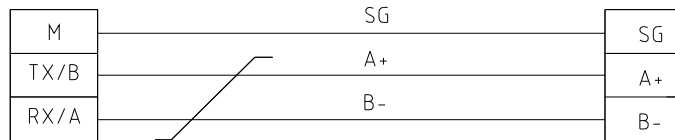
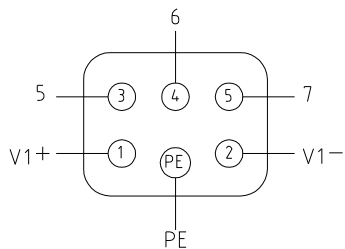
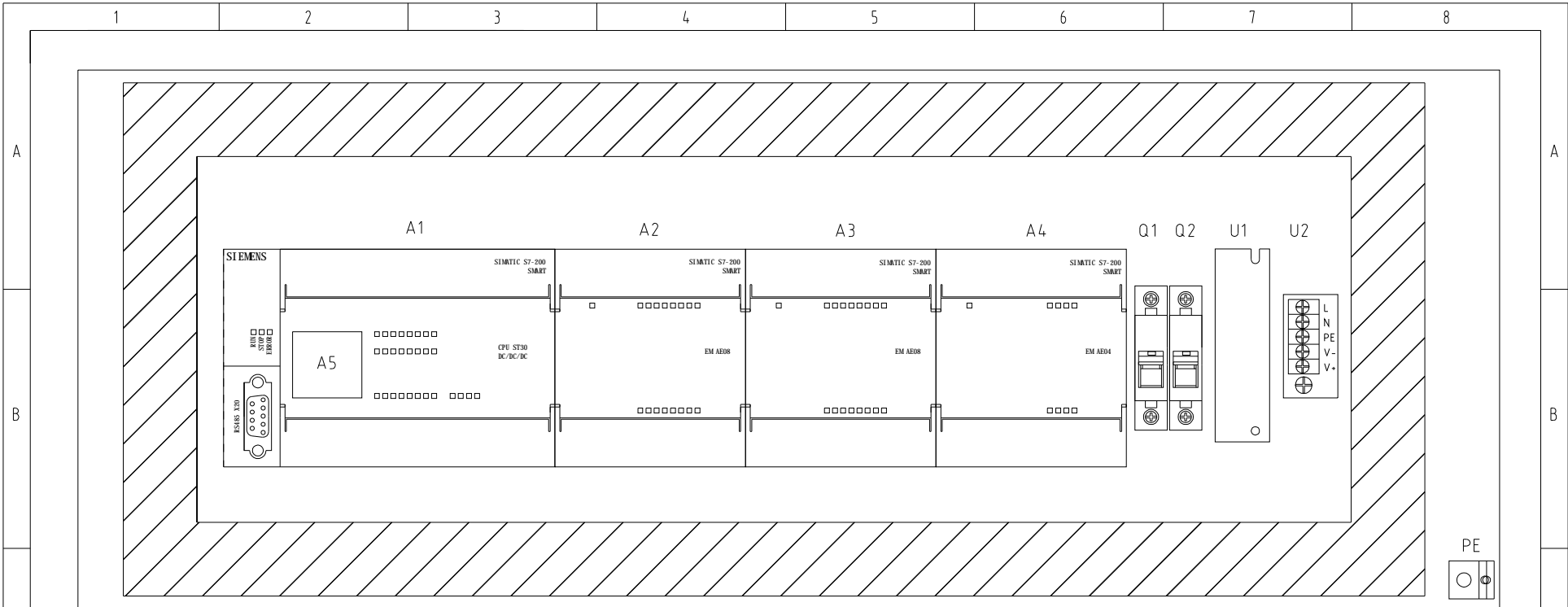
Title
SIFR-1000
Control Circuit Diagram

Drawing NO.
SIFR-1000-CE-230V-B-2

Scale	Page
Standard	Totally 4 Pages




Voltage	1φ230V
Frequency	50/60Hz



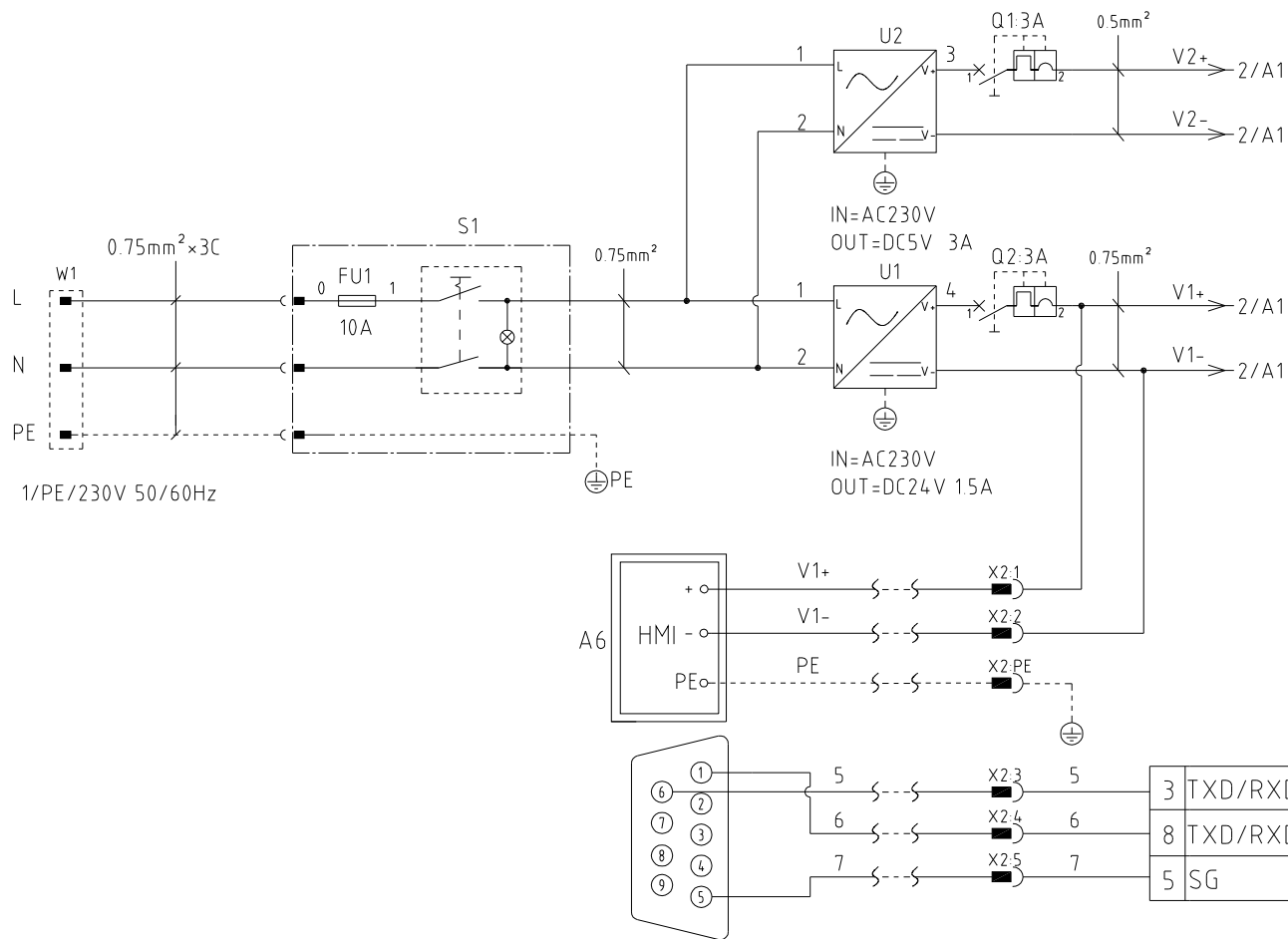
S2 RS485 double communication ports (D-sub 9PIN)

版本 Ver.C

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Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency		50/60Hz

1 2 3 4 5 6 7 8

1		2		3		4		5		6		7		8	
NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
1	S1	Alternative switch		MISUMI		APCJ-101-1FR		Alternative switch+power plug-in		1	YE15111300000				
2	W1	Power Line		DIQIN		0.75X3C		10A(3M/pcs)		1	YE50316300000				
3	FU1	Fuse core		JIANDONG		5×20		10A		1	YE46521000000				
4	Q1 Q2	Circuit Breakers		TECO		BM-63C/1003S 1P		3A		2	YE40100203000				
5	A1	Programmable logic controller		SIEMENS		CPU ST30 DC/DC/DC		24VDC 50/60Hz		1	YE81003006100				
6	A2 A3	PLC extended module		SIEMENS		8-input analog quantity module EM AE08		--		2	YE82820000200				
7	A4	PLC extended module		SIEMENS		4-input analog quantity module EM AE04		--		1	YE82000400100				
8	A5	PLC extended module		SIEMENS		Comm. extended signal board SB CM01		--		1	YE90000201300				
9	U1	DC Power		MEANWELL		LRS-35-24		IN=100-240V OUT=24VDC 1.5A		1	YE71352400100				
10	U2	DC Power		MEANWELL		RS-15-5		IN=100-240V OUT=5VDC 3A		1	YE71155500000				
11	A6	Human-machine interface		FLEXEM		F007R		24VDC 50/60Hz		1	YE80072400000				
12	X2	Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-M(Common socket)		5P		1	YE68000501300				
13		Cable clamp		JUGUANG		PG11		----		1	YE67001100000				
14		Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-F(Female)		5P		1	YE68000501400				
15		Cold presser (male)		HARTING		16A-Han E-2.5(Male)		----		2	YE68001601400				
16		Cold presser (Female)		HARTING		16A-Han E-2.5(Female)		----		2	YE68001601500				
17	X3	9 pin D-sub connector		DIQIN		9 pin D-sub connector(Female)		9P		1	YE62090000100				
18	X4	9 pin D-sub connector		DIQIN		9 pin D-sub connector (Male)		9P		1	YE62090000000				
19		Terminal fittings E/GK series(honeywell)		HONEYWELL		----		----		4	YE60000003900				
20	S2	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
21		Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		1	YR40048500000				
版本 Ver.C															
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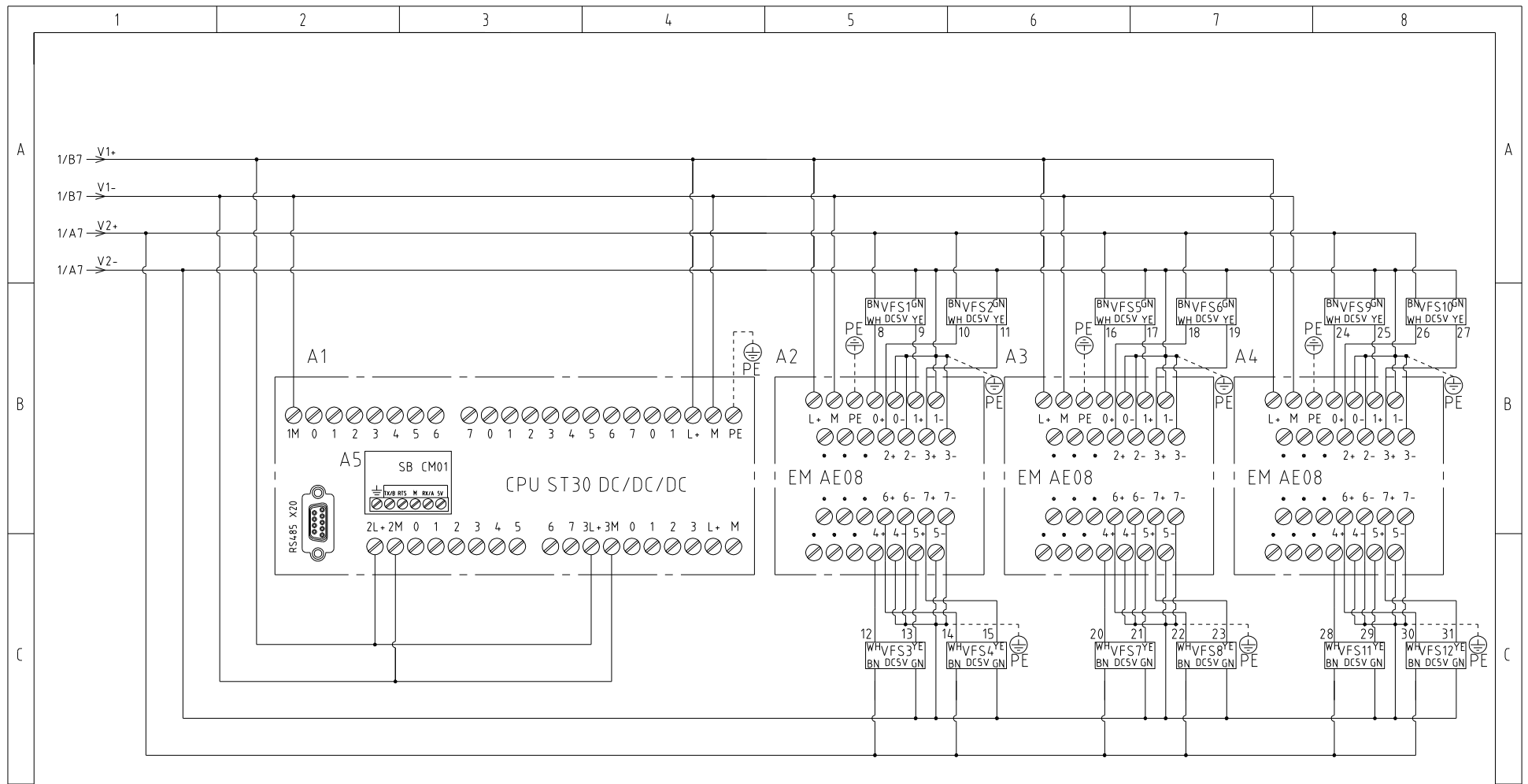


版本 Ver.C

X3 touch panel RS485 comm. wiring diagram

X4 CPU ST30 PORT 0(D-sub 9PIN)

Mark		Before modification	After modification	Modified by	Modify date	Checked by	Date	20210827	Drawer	Version	B	Title	SIFR-1200 Main Circuit Diagram	Drawing NO.	SIFR-1200-CE-230V-B-1	Scale	CE	Page	1
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										Frequency		50/60Hz		Standard		Totally 4 Pages			



版本 Ver.C

Mark	Before modification	After modification	Modified by	Modify date	Checked by	Date	20210827
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					Designer	Version	B
					Drawer	Title	SIFR-1200

Title
Control Circuit Diagram

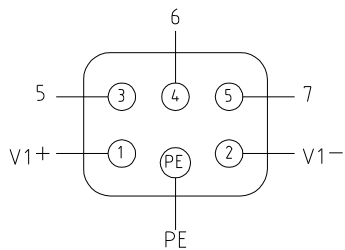
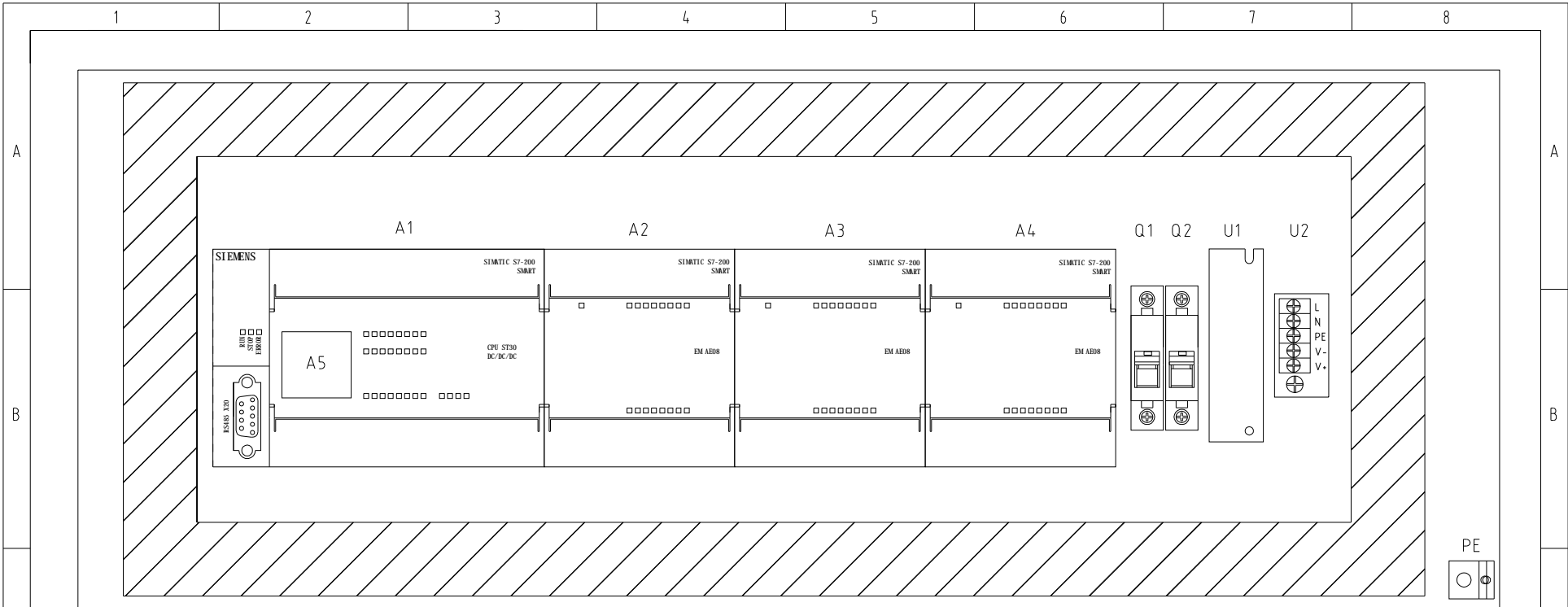
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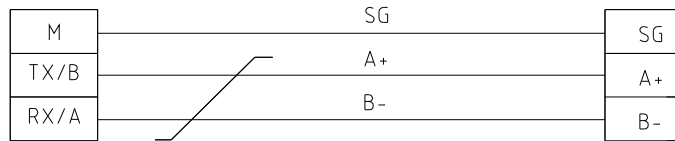


Voltage	1φ230V
Frequency	50/60Hz

A
B
C
D




X2 Heavy-duty connector Wiring Diagram



SB CM01

S2 RS485 double communication ports (D-sub 9PIN)

版本 Ver.C

				Drawer	Version	B	Title	Drawing NO.	Scale	Page	3
				Designer	Approved by		Electrical Components Layout	SIFR-1200-CE-230V-B-3	Standard	CE	Totally 4 Pages
				Proofread by	Date	20210827	 信易電熱機械股份有限公司 Shini Plastics Technologies, Inc.		Voltage		1φ230V
Mark	Before modification	After modification	Modified by	Modify date	Checked by				Frequency		50/60Hz

1 2 3 4 5 6 7 8

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NO.	Symbol	Name		Manufacturer		Type		Specification		Number	Material number		Remark		
1	S1	Alternative switch		MISUMI		APCJ-101-1FR		Alternative switch+power plug-in		1	YE15111300000				
2	W1	Power Line		DIQIN		0.75X3C		10A(3M/pcs)		1	YE50316300000				
3	FU1	Fuse core		JIANDONG		5×20		10A		1	YE46521000000				
4	Q1 Q2	Circuit Breakers		TECO		BM-63C/1003S 1P		3A		2	YE40100203000				
5	A1	Programmable logic controller		SIEMENS		CPU ST30 DC/DC/DC		24 VDC 50/60Hz		1	YE81003006100				
6	A2 A3 A4	PLC extended module		SIEMENS		8-input analog quantity module EM AE08		24 VDC 50/60Hz		3	YE82820000200				
7	A5	PLC extended module		SIEMENS		Comm. extended signal board SB CM01		----		1	YE90000201300				
8	U1	DC Power		MEANWELL		LRS-35-24		IN=100-240V OUT=24VDC 1.5A		1	YE71352400100				
9	U2	DC Power		MEANWELL		RS-15-5		IN=100-240V OUT=5VDC 3A		1	YE71155500000				
10	A6	Human-machine interface		FLEXEM		F007R		24 VDC 50/60Hz		1	YE80072400000				
11	X2	Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-M(Common socket)		5P		1	YE68000501300				
12		Cable clamp		JUGUANG		PG11		----		1	YE67001100000				
13		Heavy duty connector		HARTING		Heavy duty connector Han Q5/0-FF(Female)		5P		1	YE68000501400				
14		Cold presser (male)		HARTING		16A-Han E-2.5(Male)		----		2	YE68001601400				
15		Cold presser (Female)		HARTING		16A-Han E-2.5(Female)		----		2	YE68001601500				
16	X3	9 pin D-sub connector		DIQIN		9 pin D-sub connector(Female)		9P		1	YE62090000100				
17	X4	9 pin D-sub connector		DIQIN		9 pin D-sub connector (Male)		9P		1	YE62090000000				
18		Terminal fittings E/GK series(honeywell)		HONEYWELL		----		----		4	YE60000003900				
19	S2	Communication interface board RS-485 (double Dsub-9pin connector)		YUYUN		----		----		1	YE90048501200				
20		Shell RS485(SAL-700G-A-19)0		BINCHENG		----		----		1	YR40048500000				
版本 Ver.C															
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