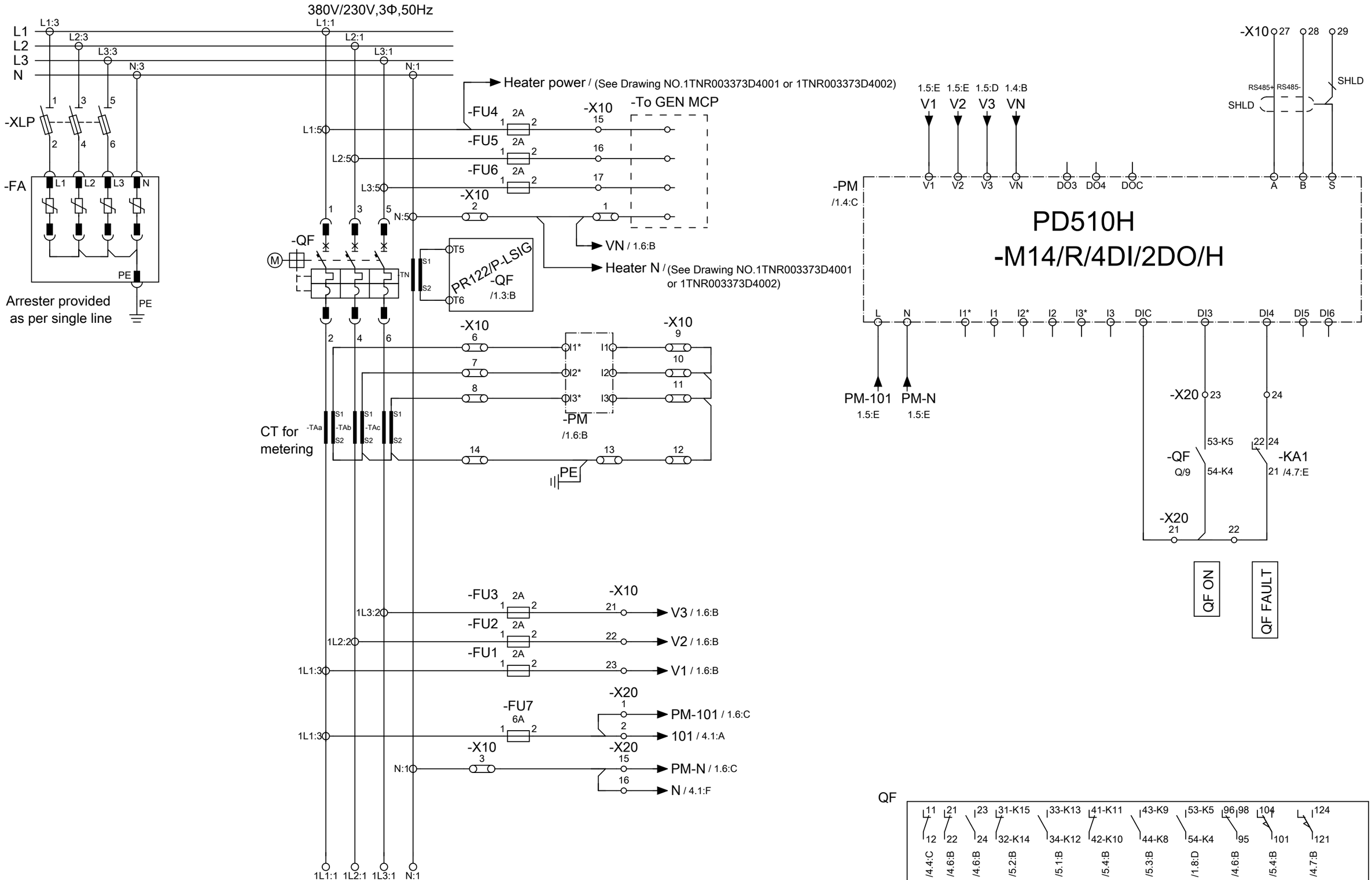
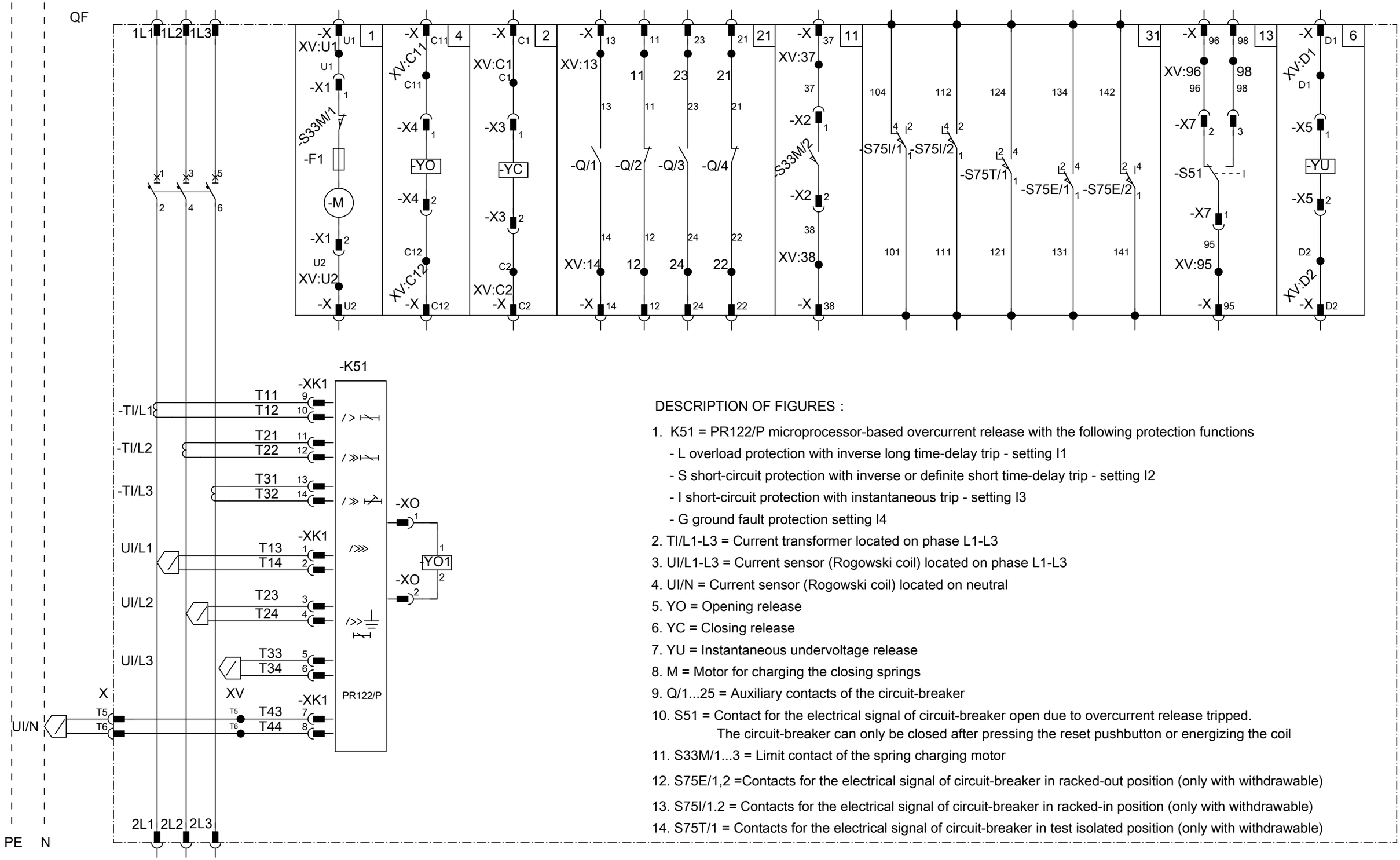
SINGLE LINE & METERING CIRCUIT



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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1 = ACB + INC_Diesel / SHEET 1 / TOTAL 11
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3 DRAWING NO. 1TNR003373D3001 REV. C
		APPROVED					
		DATE					

CIRCUIT BREAKER	CLOSING SPRINGS CHARGING MOTOR	SHUNT OPENING RELEASE	SHUNT CLOSING RELEASE	FIRST SET OF AUXILIARY CONTACTS	SPRING CHARGED CONTACT	ELECTRICAL SIGNAL OF CIRCUIT BRAKER			SIGNAL CONTACT	INSTANTANEOUS UNDERVOLTAGE RELEASE
						RACKED-IN	TEST ISOLATED	RACKED-OUT		



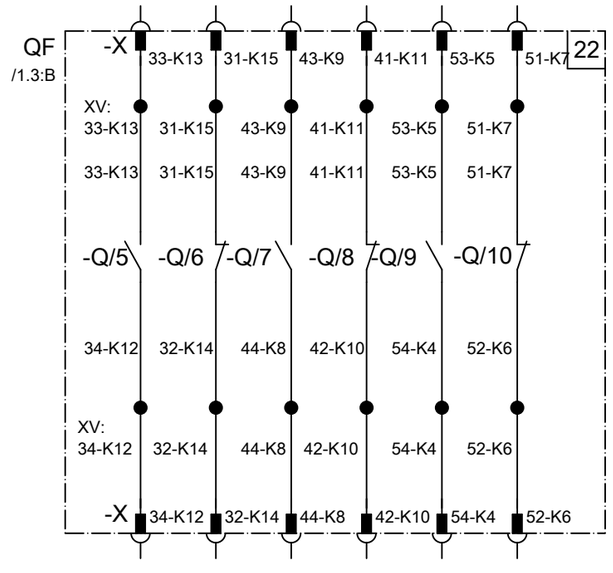
DESCRIPTION OF FIGURES :

1. K51 = PR122/P microprocessor-based overcurrent release with the following protection functions
   - L overload protection with inverse long time-delay trip - setting I1
   - S short-circuit protection with inverse or definite short time-delay trip - setting I2
   - I short-circuit protection with instantaneous trip - setting I3
   - G ground fault protection setting I4
2. TI/L1-L3 = Current transformer located on phase L1-L3
3. UI/L1-L3 = Current sensor (Rogowski coil) located on phase L1-L3
4. UI/N = Current sensor (Rogowski coil) located on neutral
5. YO = Opening release
6. YC = Closing release
7. YU = Instantaneous undervoltage release
8. M = Motor for charging the closing springs
9. Q/1...25 = Auxiliary contacts of the circuit-breaker
10. S51 = Contact for the electrical signal of circuit-breaker open due to overcurrent release tripped.
    The circuit-breaker can only be closed after pressing the reset pushbutton or energizing the coil
11. S33M/1...3 = Limit contact of the spring charging motor
12. S75E/1,2 =Contacts for the electrical signal of circuit-breaker in racked-out position (only with withdrawable)
13. S75I/1.2 = Contacts for the electrical signal of circuit-breaker in racked-in position (only with withdrawable)
14. S75T/1 = Contacts for the electrical signal of circuit-breaker in test isolated position (only with withdrawable)

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REV.	DESCRIPTION	DRAWN		TITLE		FUNCTION		SCALE	= ACB	SHEET	2
		CHECKED		SCHEMATIC DIAGRAM		Diesel Incomer		1:1	+ INC_Diesel	TOTAL	11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.		PROJECT NAME		A3	DRAWING NO.		REV.
		DATE		PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	中乌天然气管道压气站UCS3			1TNR003373D3001		C

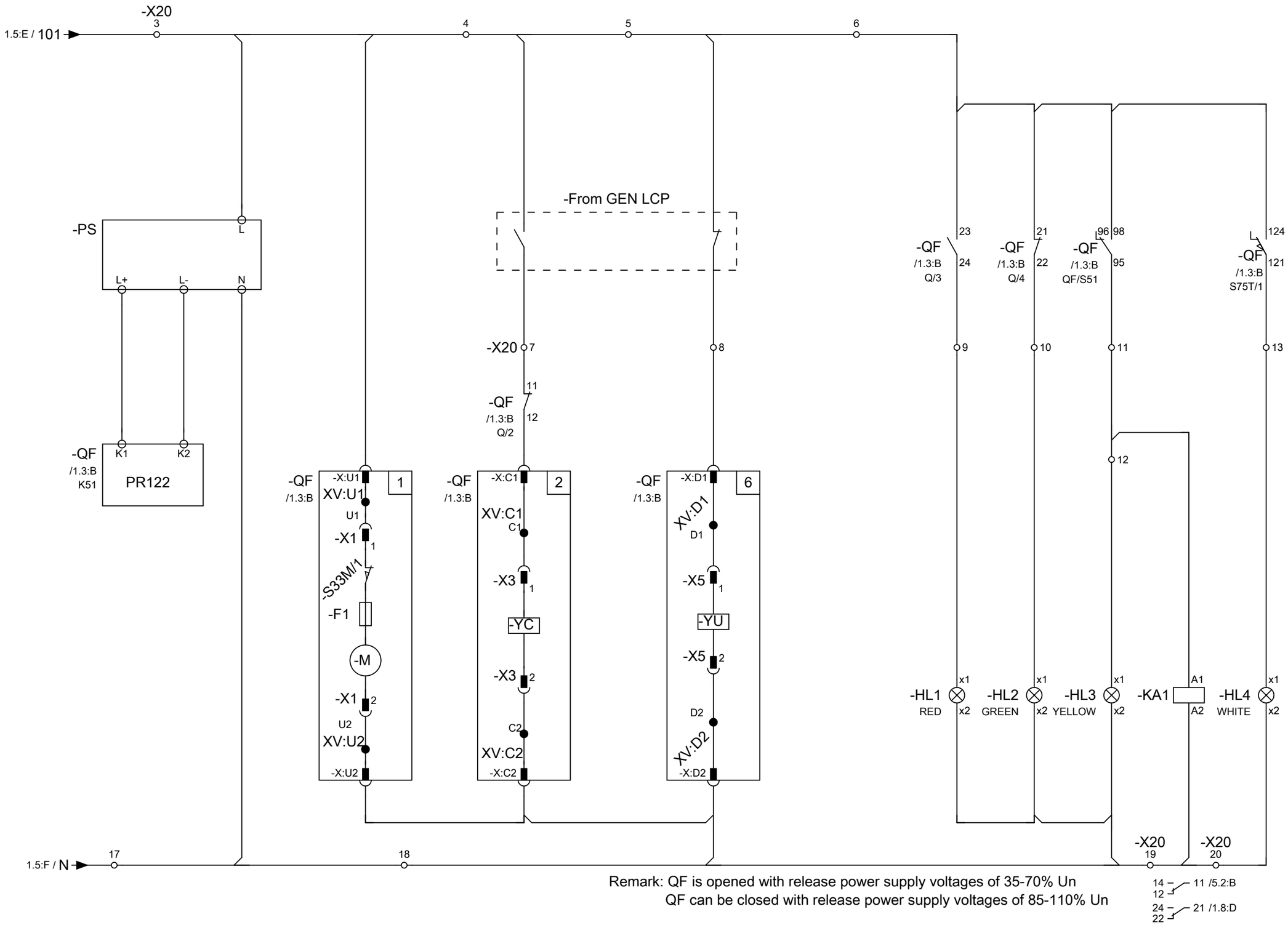
SECOND SET OF AUXILIARY CONTACTS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB + INC_Diesel
REV.	DESCRIPTION	CHECKED						SHEET 3 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001
		DATE						REV. C

POWER SUPPLY	PR122 POWER	MOTOR CHARGING	CLOSE	OPEN		INDICATION			
						ON	OFF	FAULT	TEST

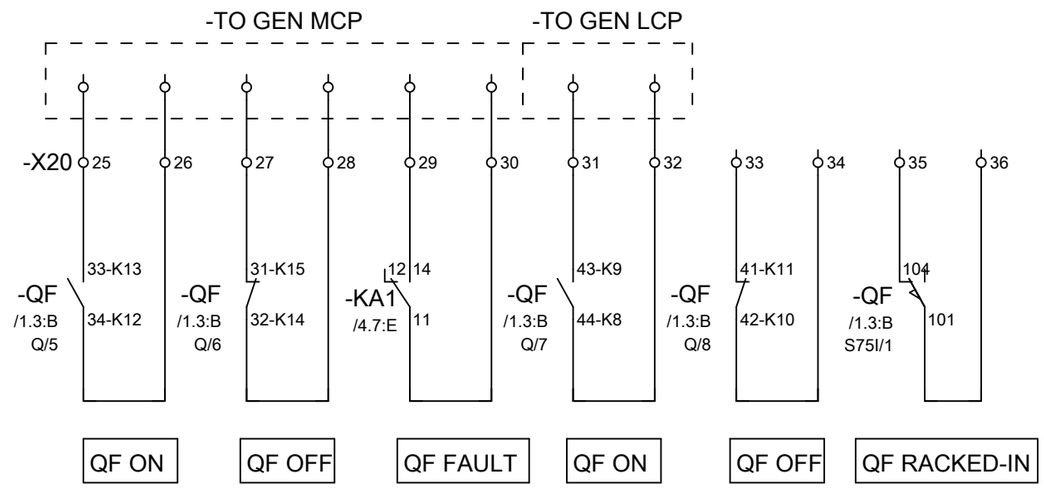


Remark: QF is opened with release power supply voltages of 35-70% Un
QF can be closed with release power supply voltages of 85-110% Un

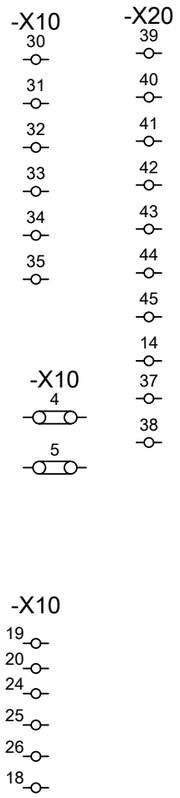
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REV.	DESCRIPTION	DRAWN		TITLE		FUNCTION		SCALE	= ACB	SHEET	4
		CHECKED		SCHEMATIC DIAGRAM		Diesel Incomer		1:1	+ INC_Diesel	TOTAL	11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.		PROJECT NAME		A3	DRAWING NO.		REV.
		DATE		PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	中乌天然气管道压气站UCS3			1TNR003373D3001		C

OUTPUT SIGNALS



SPARE TERMINALS



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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB	SHEET 5
			CHECKED						+ INC_Diesel	TOTAL 11
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001	REV. C
			DATE							

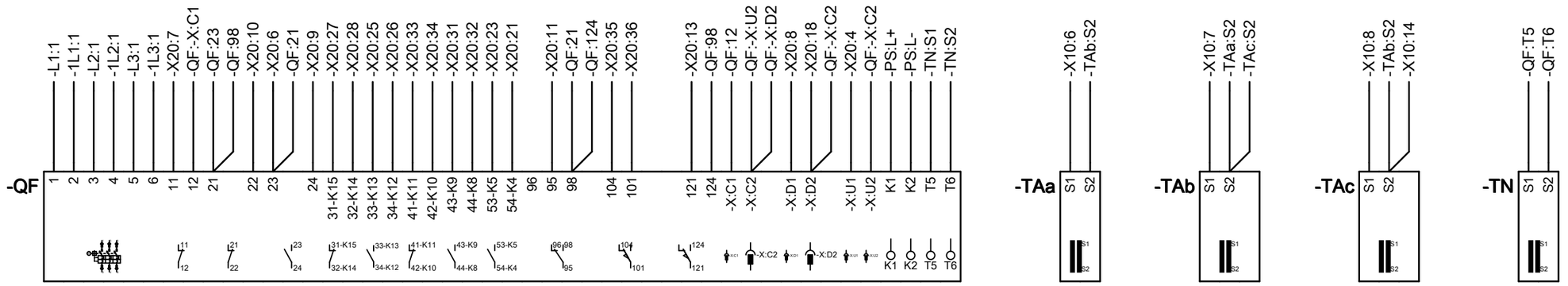
部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-FA		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.1:B
-FU1	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_Diesel/1.4:E
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_Diesel/1.4:E
-FU2	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_Diesel/1.4:E
-FU2	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_Diesel/1.4:E
-FU3	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_Diesel/1.4:D
-FU3	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_Diesel/1.4:D
-FU4	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_Diesel/1.4:B
-FU4	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_Diesel/1.4:B
-FU5	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_Diesel/1.4:B
-FU5	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_Diesel/1.4:B
-FU6	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_Diesel/1.4:B
-FU6	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_Diesel/1.4:B
-FU7	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=ACB+INC_Diesel/1.4:E
-FU7	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_Diesel/1.4:E
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=ACB+INC_Diesel/4.6:E
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=ACB+INC_Diesel/4.6:E
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=ACB+INC_Diesel/4.7:E
-HL4	Pilot	CL-523W,WHITE,AC220V	ABB	1	1SFA619402R5235	=ACB+INC_Diesel/4.7:E
-KA1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=ACB+INC_Diesel/4.7:E
-PM		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.6:B
-PS	Power Supply	CP-E 24/0.75	ABB	1	1SVR427030R0000	=ACB+INC_Diesel/4.1:B
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.3:B
-TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.3:C
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.3:C
-TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.3:C
-TN		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.3:B
-XLP		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_Diesel/1.1:B

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REV.	DESCRIPTION			DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB	SHEET 6
				CHECKED						+ INC_Diesel	TOTAL 11
CUSTOMER DRAWING NO.		REV.		APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001	REV. C
				DATE							

设备连接图/Device Connection Diagram ACB柜内接线图

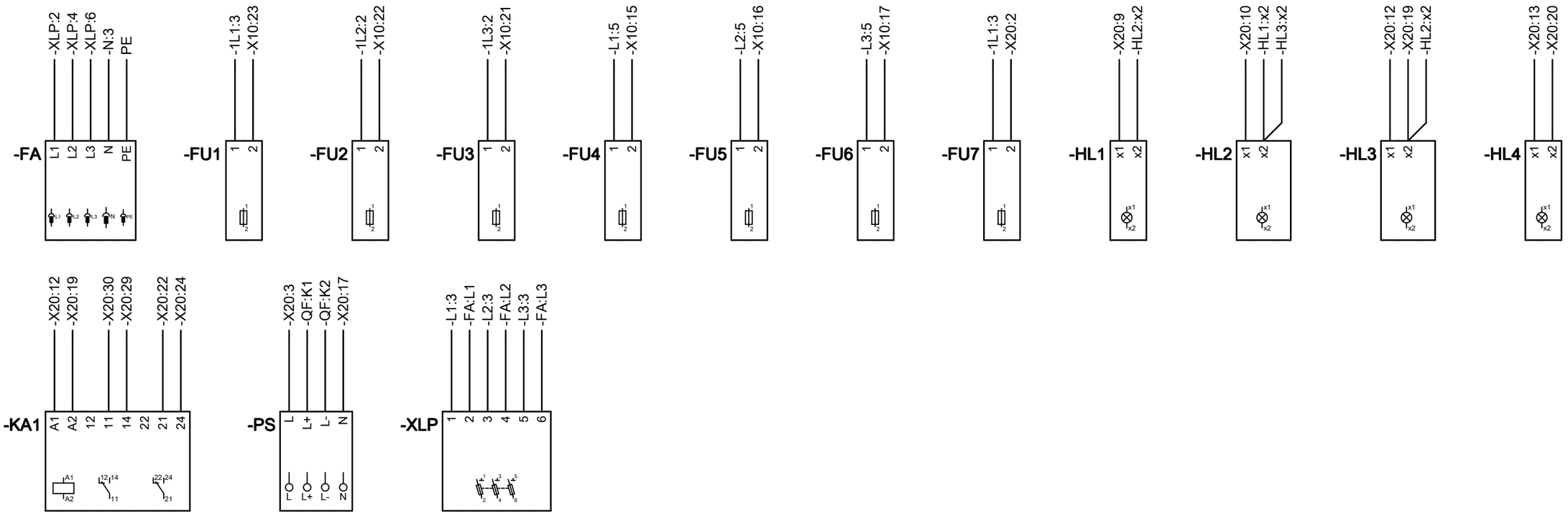


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB + INC_Diesel
REV.	DESCRIPTION	CHECKED						SHEET 7 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001
		DATE						REV. C

设备连接图/Device Connection Diagram

ACB铁斗接线图

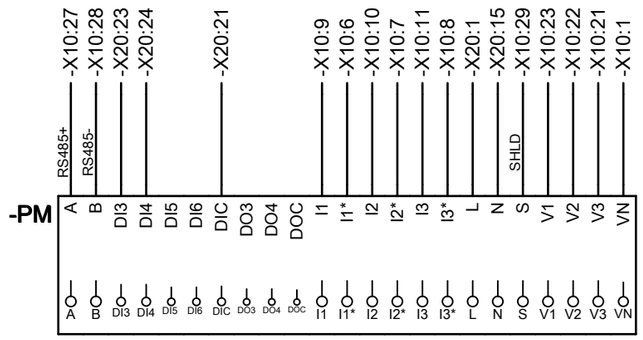


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB + INC_Diesel	SHEET 8 TOTAL 11
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001	REV. C
		DATE							

设备连接图/Device Connection Diagram

ACB门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB + INC_Diesel
REV.	DESCRIPTION	CHECKED						SHEET 9 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001
		DATE						REV. C

端子图表/Terminal Diagram

-X10

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-PM:VN		1	●		-To GEN MCP	/1.4:B
-N:5		2	●			/1.3:B
-N:1		3	-		-X20:15	/1.4:E
		4	-			/5.6:C
		5	-			/5.6:D
-TAa:S1		6	-		-PM:I1*	/1.3:C
-TAb:S1		7	-		-PM:I2*	/1.3:C
-TAc:S1		8	-		-PM:I3*	/1.3:C
		9	●		-PM:I1	/1.5:C
		10	●		-PM:I2	/1.5:C
		11	●		-PM:I3	/1.5:C
		12	●			/1.5:D
-PE		13	●			/1.4:D
-TAc:S2		14	●			/1.3:D
-FU4:2		15	-		-To GEN MCP	/1.4:B
-FU5:2		16	-		-To GEN MCP	/1.4:B
-FU6:2		17	-		-To GEN MCP	/1.4:B
		18	-			/5.6:E
		19	-			/5.6:D
		20	-			/5.6:D
-FU3:2		21	-		-PM:V3	/1.4:D
-FU2:2		22	-		-PM:V2	/1.4:E
-FU1:2		23	-		-PM:V1	/1.4:E
		24	-			/5.6:D
		25	-			/5.6:E
		26	-			/5.6:E
-PM:A	RS485+	27	-			/1.8:A
-PM:B	RS485-	28	-			/1.8:A
-PM:S	SHLD	29	-			/1.8:A
		30	-			/5.6:B
		31	-			/5.6:B
		32	-			/5.6:C
		33	-			/5.6:C

-X10

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
		34	-			/5.6:C
		35	-			/5.6:C

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
		1	●		-PM:L	/1.4:E
-FU7:2		2	●			/1.4:E
-PS:L		3	●			/4.2:A
-QF:-X:U1		4	●		-From GEN LCP	/4.3:A
		5	●		-From GEN LCP	/4.4:A
		6	●		-QF:23	/4.5:A
-QF:11		7	-		-From GEN LCP	/4.4:C
-QF:-X:D1		8	-		-From GEN LCP	/4.5:C
-QF:24		9	-		-HL1:x1	/4.6:C
-QF:22		10	-		-HL2:x1	/4.6:C
-QF:95		11	●			/4.7:C
-KA1:A1		12	●		-HL3:x1	/4.7:D
-QF:121		13	-		-HL4:x1	/4.7:C
		14	-			/5.6:C
-X10:3		15	●		-PM:N	/1.4:E
		16	●			/1.4:F
-PS:N		17	●			/4.1:F
-QF:-X:D2		18	●			/4.3:F
-KA1:A2		19	●		-HL3:x2	/4.7:F
-HL4:x2		20	●			/4.7:F
-QF:54-K4		21	●		-PM:DIC	/1.7:D
		22	●		-KA1:21	/1.8:D
-QF:53-K5		23	-		-PM:DI3	/1.8:C
-KA1:24		24	-		-PM:DI4	/1.8:C

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Diesel Incomer	SCALE 1:1	= ACB	SHEET 10
		CHECKED						+ INC_Diesel	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001	REV. C
		DATE							

端子图表/Terminal Diagram

-X20						
目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-QF:33-K13		25			-TO GEN MCP	/5.1:A
-QF:34-K12		26			-TO GEN MCP	/5.2:A
-QF:31-K15		27			-TO GEN MCP	/5.2:A
-QF:32-K14		28			-TO GEN MCP	/5.2:A
-KA1:14		29			-TO GEN MCP	/5.3:A
-KA1:11		30			-TO GEN MCP	/5.3:A
-QF:43-K9		31			-TO GEN LCP	/5.3:A
-QF:44-K8		32			-TO GEN LCP	/5.3:A
-QF:41-K11		33				/5.4:A
-QF:42-K10		34				/5.4:A
-QF:104		35				/5.4:A
-QF:101		36				/5.4:A
		37				/5.6:C
		38				/5.6:D
		39				/5.6:B
		40				/5.6:B
		41				/5.6:C
		42				/5.6:C
		43				/5.6:C
		44				/5.6:C
		45				/5.6:C

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB	SHEET 11
			CHECKED						+ INC_Diesel	TOTAL 11
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3001	REV. C
			DATE							

SINGLE LINE & METERING CIRCUIT

380V/230V,3Φ,50Hz

1L1:1 1L2:1 1L3:1 N:1

-FU7 6A

1L1:3

N:1

-X10 15

-X20 1 → PM-101 / 1.6:D

2 → 101 / 4.1:A

-X20 15 → PM-N / 1.6:D

16 → N / 4.1:F

-To GEN C/P

-X10 19 20 21 22 23 24 25 26

-FU3 2A 1L3:1

-FU2 2A 1L2:1

-FU1 2A 1L1:1

-X10 1 2 3 4 5 6 7 8 9 10 11 12 13 14

-To GEN C/P

CT for protection 5P10

-1TAa -1TAb -1TAc S1 S2

Pre-wired in factory

PE

CT for metering

-1TAa -1TAb -1TAc S1 S2

I1* I1 I2* I2 I3* I3

-PM /1.5:C

Arrester provided as per single line

PE

-FA

L1 L2 L3 N

-XLP 1 2 3 4 5 6

L1 L2 L3 N

L1:4 L2:4 L3:4 N:4

L1:2 L2:2 L3:2 N:2

-QF /1.2:E

-QF

M

TN S1 S2

T5 T6 PR122/P-LSIG

1 2 3 4 5 6

-PM /1.4:C

V1 V2 V3 VN

DO3 DO4 DOC

A B S

-X10 27 28 29

RS485+ RS485- SHLD

SHLD

PD510H -M14/R/4DI/2DO/H

L N I1* I1 I2* I2 I3* I3 DIC DI3 DI4 DI5 DI6

PM-101 1.4:A

PM-N 1.4:A

-X20 23 24

-QF Q/9 53-K5 54-K4

-KA1 22 24 21 /4.7:E

21 22

QF ON

QF FAULT

QF

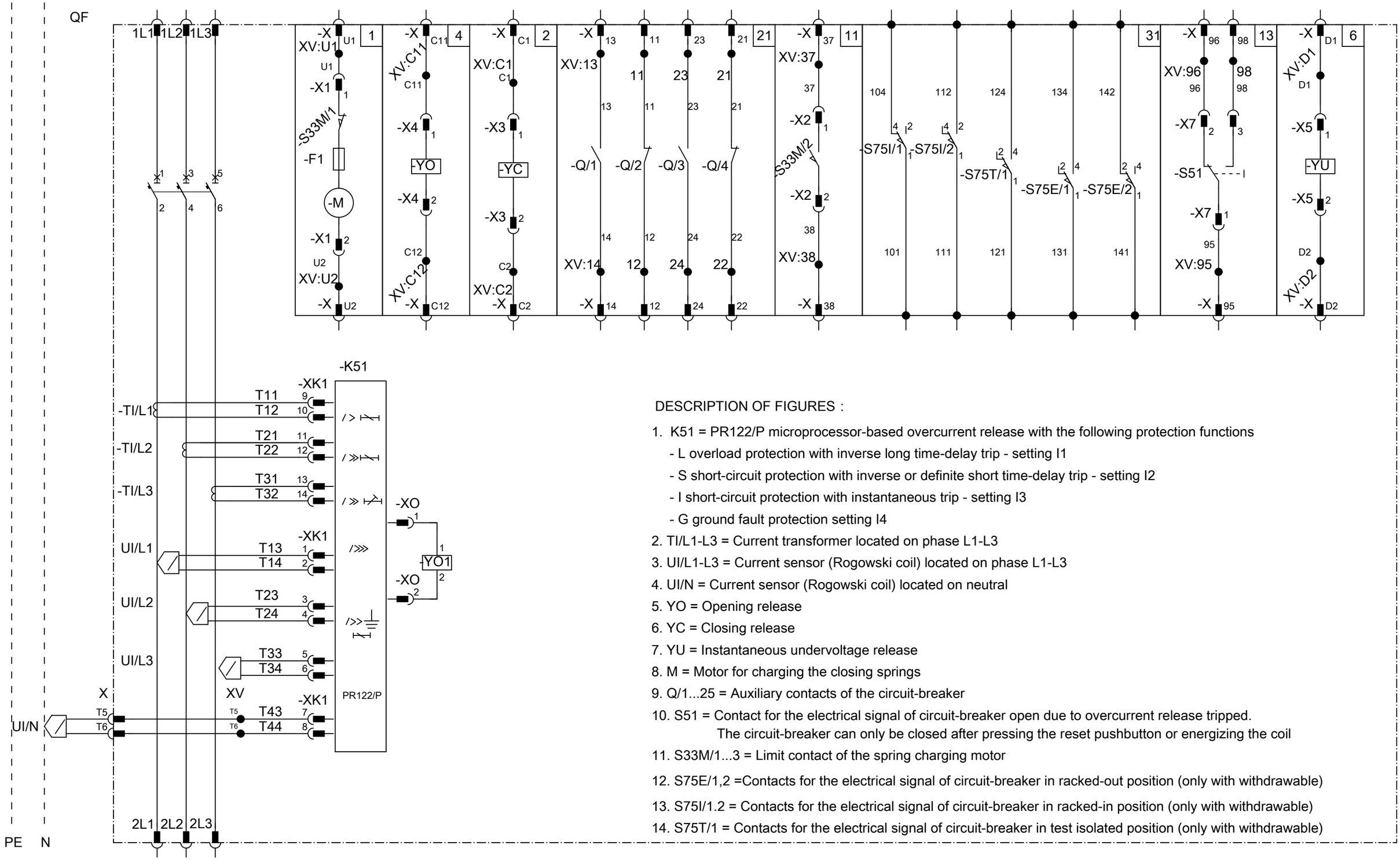
11	21	23	31-K15	33-K13	41-K11	43-K9	53-K5	96	98	104	124
12	22	24	32-K14	34-K12	42-K10	44-K8	54-K4	95		101	121
/4.4:C	/4.6:B	/4.6:B	/5.2:B	/5.1:B	/5.4:B	/5.3:B	/1.8:E	/4.6:B		/5.4:B	/4.7:B

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB + INC_GAS
		CHECKED						SHEET 1
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002
		DATE						REV. C

TOTAL 11

CIRCUIT BREAKER	CLOSING SPRINGS CHARGING MOTOR	SHUNT OPENING RELEASE	SHUNT CLOSING RELEASE	FIRST SET OF AUXILIARY CONTACTS	SPRING CHARGED CONTACT	ELECTRICAL SIGNAL OF CIRCUIT BRAKER			SIGNAL CONTACT	INSTANTANEOUS UNDERVOLTAGE RELEASE
						RACKED-IN	TEST ISOLATED	RACKED-OUT		



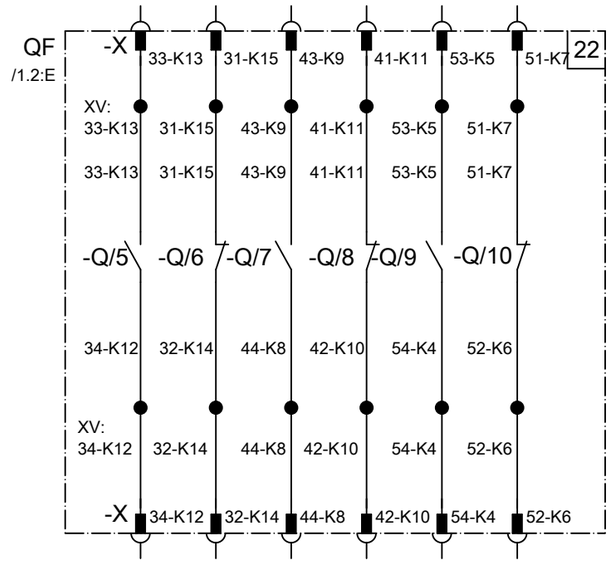
DESCRIPTION OF FIGURES :

1. K51 = PR122/P microprocessor-based overcurrent release with the following protection functions
   - L overload protection with inverse long time-delay trip - setting I1
   - S short-circuit protection with inverse or definite short time-delay trip - setting I2
   - I short-circuit protection with instantaneous trip - setting I3
   - G ground fault protection setting I4
2. TI/L1-L3 = Current transformer located on phase L1-L3
3. UI/L1-L3 = Current sensor (Rogowski coil) located on phase L1-L3
4. UI/N = Current sensor (Rogowski coil) located on neutral
5. YO = Opening release
6. YC = Closing release
7. YU = Instantaneous undervoltage release
8. M = Motor for charging the closing springs
9. Q/1...25 = Auxiliary contacts of the circuit-breaker
10. S51 = Contact for the electrical signal of circuit-breaker open due to overcurrent release tripped.
    The circuit-breaker can only be closed after pressing the reset pushbutton or energizing the coil
11. S33M/1...3 = Limit contact of the spring charging motor
12. S75E/1,2 =Contacts for the electrical signal of circuit-breaker in racked-out position (only with withdrawable)
13. S75I/1.2 = Contacts for the electrical signal of circuit-breaker in racked-in position (only with withdrawable)
14. S75T/1 = Contacts for the electrical signal of circuit-breaker in test isolated position (only with withdrawable)

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REV.	DESCRIPTION	DRAWN		TITLE		FUNCTION		SCALE	= ACB	SHEET 2
		CHECKED		SCHEMATIC DIAGRAM		Gas Generator Incomer		1:1	+ INC_GAS	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME		A3	DRAWING NO.	REV.
		DATE		PM003373		中乌天然气管道压气站UCS3			1TNR003373D3002	C

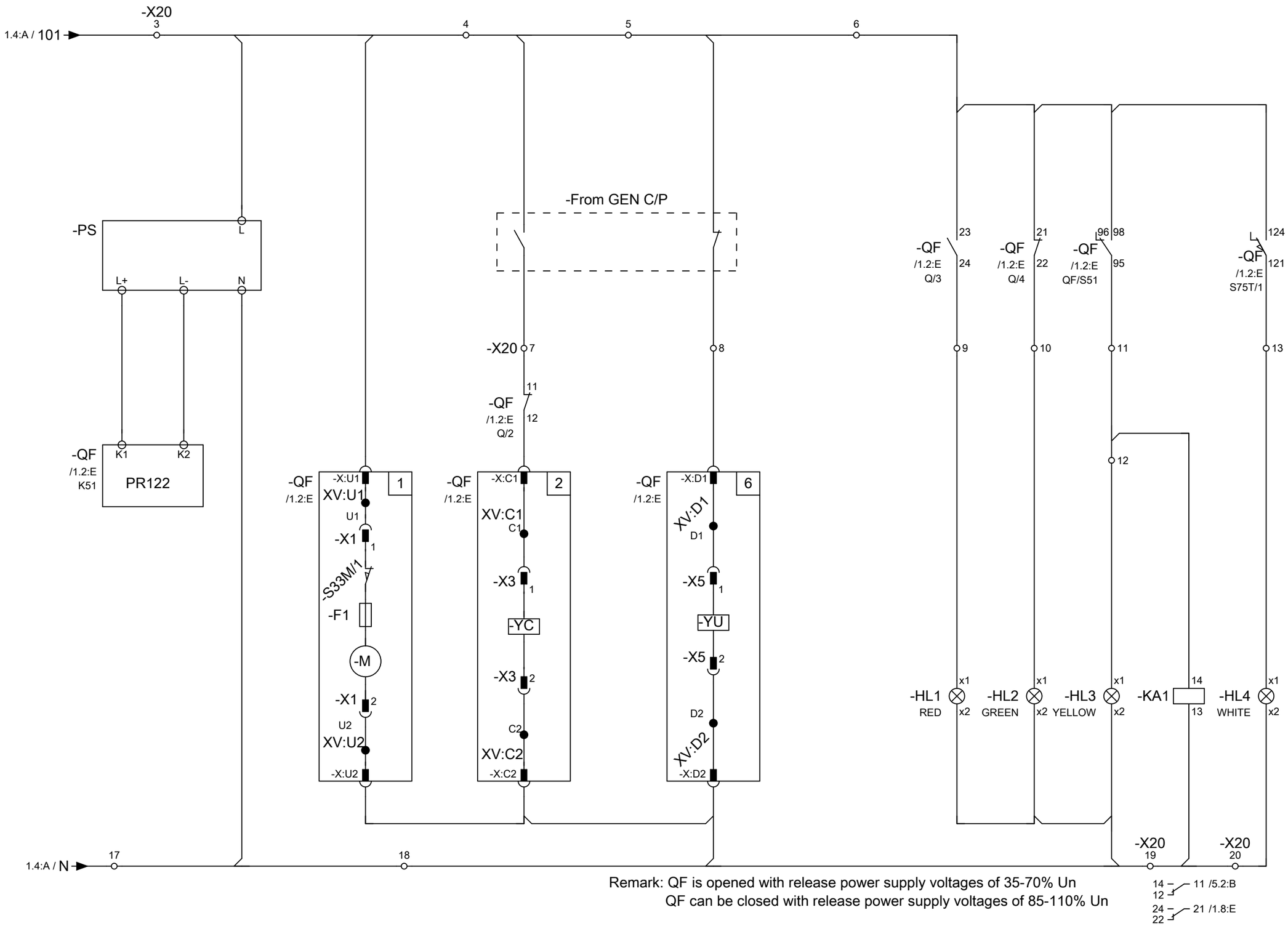
SECOND SET OF AUXILIARY CONTACTS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB + INC_GAS	SHEET 3 TOTAL 11
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002	REV. C
		DATE							

POWER SUPPLY	PR122 POWER	MOTOR CHARGING	CLOSE	OPEN		INDICATION			
						ON	OFF	FAULT	TEST

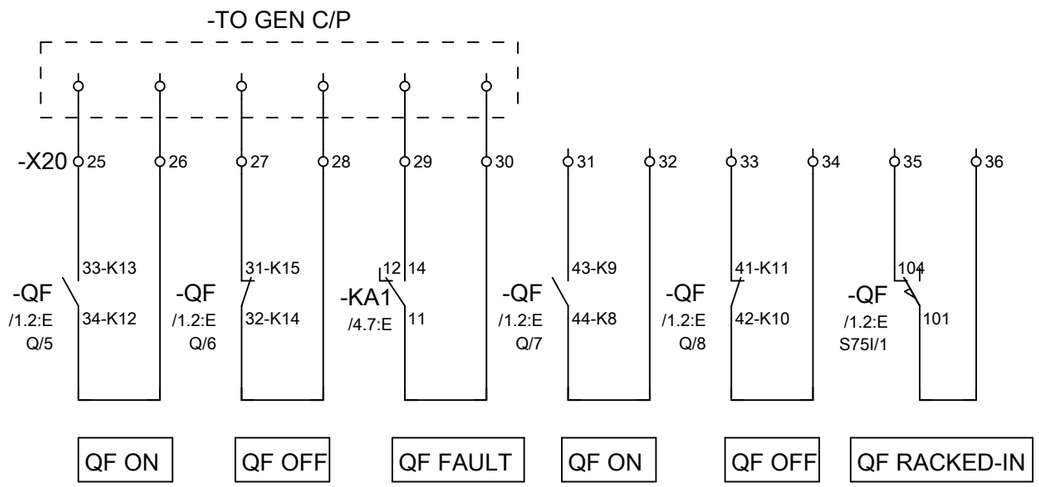


Remark: QF is opened with release power supply voltages of 35-70% Un
QF can be closed with release power supply voltages of 85-110% Un

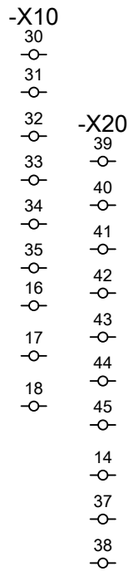
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REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	Gas Generator Incomer	SCALE	= ACB	SHEET	4
		CHECKED							1:1	+ INC_GAS	TOTAL	11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002	REV.	C
		DATE										

OUTPUT SIGNALS



SPARE TERMINALS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB / + INC_GAS / SHEET 5 / TOTAL 11
REV.	DESCRIPTION	CHECKED						
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002 / REV. C
		DATE						

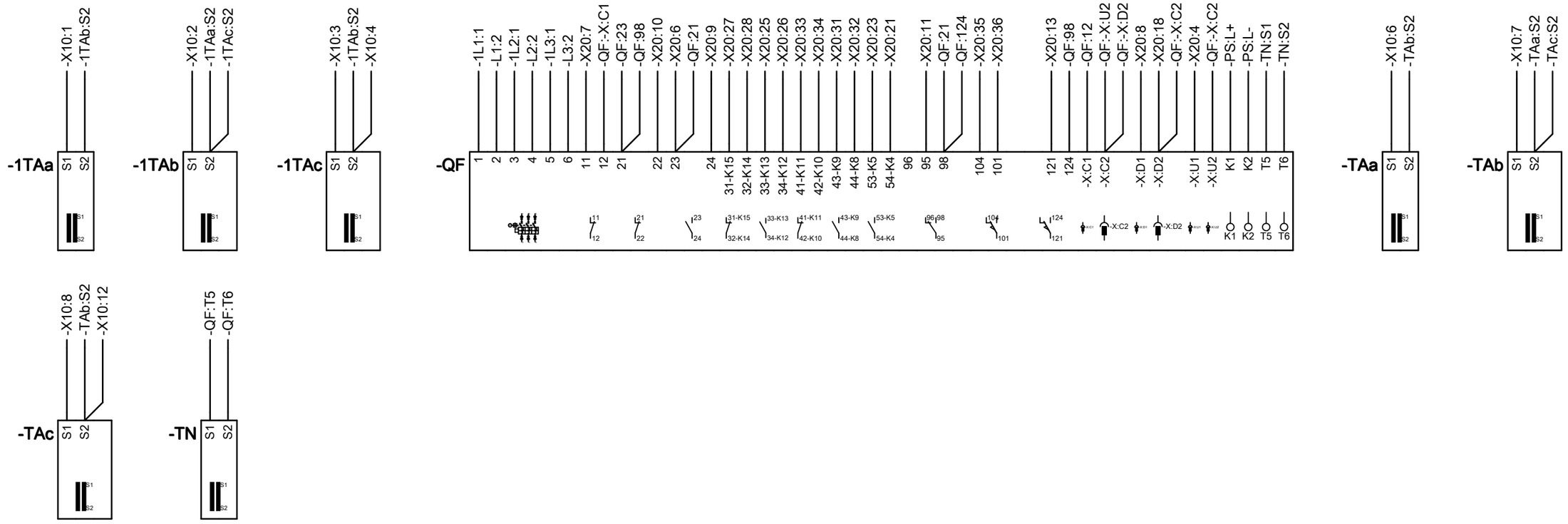
部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.2:C
-1TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.2:C
-1TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.3:C
-FA		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.1:D
-FU1	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_GAS/1.4:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_GAS/1.4:B
-FU2	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_GAS/1.4:B
-FU2	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_GAS/1.4:B
-FU3	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+INC_GAS/1.4:B
-FU3	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_GAS/1.4:B
-FU7	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=ACB+INC_GAS/1.3:A
-FU7	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+INC_GAS/1.3:A
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=ACB+INC_GAS/4.6:E
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=ACB+INC_GAS/4.6:E
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=ACB+INC_GAS/4.7:E
-HL4	Pilot	CL-523W,WHITE,AC220V	ABB	1	1SFA619402R5235	=ACB+INC_GAS/4.7:E
-KA1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=ACB+INC_GAS/4.7:E
-PM		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.5:C
-PS	Power Supply	CP-E 24/0.75	ABB	1	1SVR427030R0000	=ACB+INC_GAS/4.1:B
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.2:E
-TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.2:D
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.2:D
-TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.3:D
-TN		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.3:E
-XLP		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+INC_GAS/1.1:E

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB	SHEET 6
			CHECKED						+ INC_GAS	TOTAL 11
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002	REV. C
			DATE							

设备连接图/Device Connection Diagram ACB柜内接线图

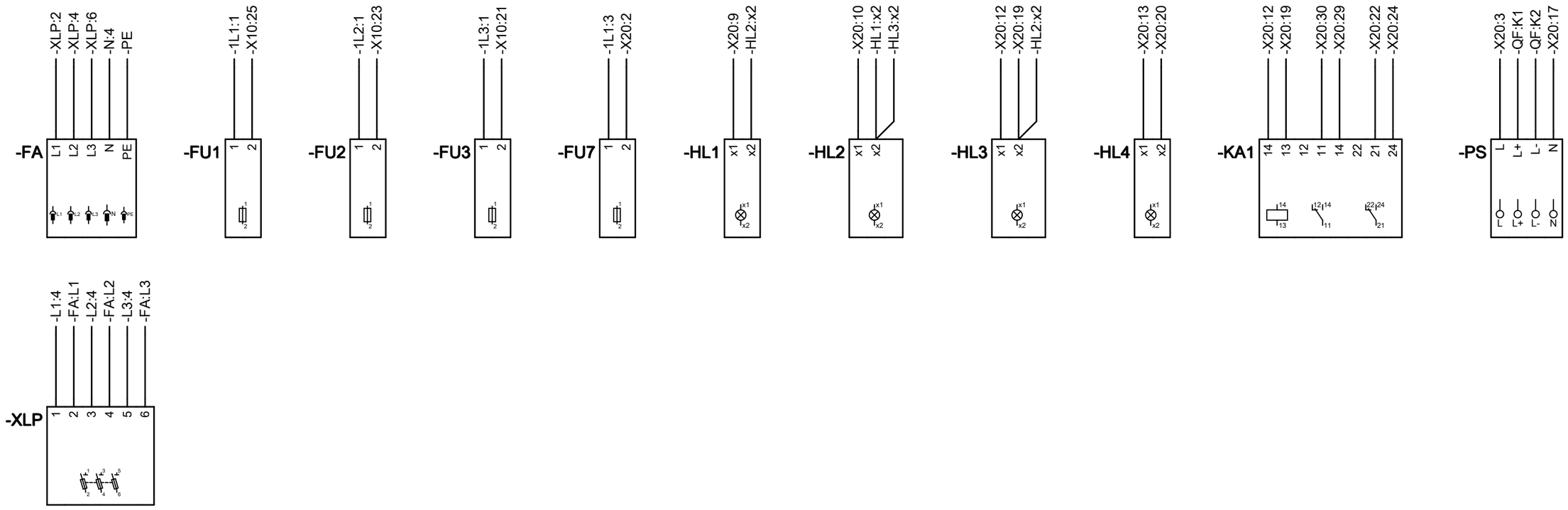


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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB + INC_GAS	SHEET 7 TOTAL 11
CUSTOMER DRAWING NO.	REV.	CHECKED							
		APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002	REV. C
		DATE							

设备连接图/Device Connection Diagram

ACB铁斗接线图

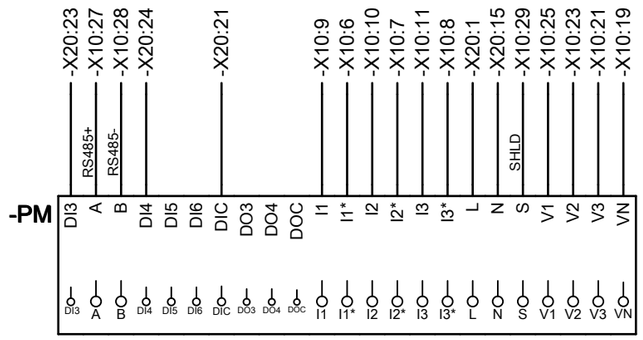


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1 / = ACB / + INC_GAS	SHEET 8 / TOTAL 11
REV.	DESCRIPTION	CHECKED						
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002 / REV. C
		DATE						

设备连接图/Device Connection Diagram

ACB门板接线图



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REV.	DESCRIPTION				
		DRAWN		TITLE: SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.
		CHECKED			
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.: PM003373	
		DATE			

FUNCTION		SCALE		SHEET
Gas Generator Incomer		1:1	= ACB	9
			+ INC_GAS	TOTAL 11
PROJECT NAME: 中乌天然气管道压气站UCS3	A3	DRAWING NO.: 1TNR003373D3002		REV.: C

端子图表/Terminal Diagram

-X10

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-1TAa:S1		1	-		-To GEN C/P	/1.3:B
-1TAb:S1		2	-		-To GEN C/P	/1.3:C
-1TAc:S1		3	-		-To GEN C/P	/1.3:C
-1TAc:S2		4	●		-To GEN C/P	/1.3:C
-PE		5	●			/1.3:C
-TAa:S1		6	-		-PM:I1*	/1.3:C
-TAb:S1		7	-		-PM:I2*	/1.3:D
-TAc:S1		8	-		-PM:I3*	/1.3:D
-PM:I1		9	-		-To GEN C/P	/1.4:C
-PM:I2		10	-		-To GEN C/P	/1.4:D
-PM:I3		11	-		-To GEN C/P	/1.4:D
-TAc:S2		12	●		-To GEN C/P	/1.4:D
		13	●			/1.4:D
-PE		14	●			/1.4:D
-N:1		15	-		-X20:15	/1.3:A
		16	-			/5.6:C
		17	-			/5.6:C
		18	-			/5.6:C
-PM:VN		19	●		-X20:16	/1.5:B
		20	●		-To GEN C/P	/1.5:B
-FU3:2		21	●		-PM:V3	/1.5:B
		22	●		-To GEN C/P	/1.5:B
-FU2:2		23	●		-PM:V2	/1.5:B
		24	●		-To GEN C/P	/1.5:B
-FU1:2		25	●		-PM:V1	/1.5:B
		26	●		-To GEN C/P	/1.5:B
-PM:A	RS485+	27	-			/1.8:B
-PM:B	RS485-	28	-			/1.8:B
-PM:S	SHLD	29	-			/1.8:B
		30	-			/5.6:B
		31	-			/5.6:B
		32	-			/5.6:B
		33	-			/5.6:B

-X10

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
		34	-			/5.6:B
		35	-			/5.6:C

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
		1	●		-PM:L	/1.4:A
-FU7:2		2	●			/1.4:A
-PS:L		3	●			/4.2:A
-QF:-X:U1		4	●		-From GEN C/P	/4.3:A
		5	●		-From GEN C/P	/4.4:A
		6	●		-QF:23	/4.5:A
-QF:11		7	-		-From GEN C/P	/4.4:C
-QF:-X:D1		8	-		-From GEN C/P	/4.5:C
-QF:24		9	-		-HL1:x1	/4.6:C
-QF:22		10	-		-HL2:x1	/4.6:C
-QF:95		11	●			/4.7:C
-KA1:14		12	●		-HL3:x1	/4.7:D
-QF:121		13	-		-HL4:x1	/4.7:C
		14	-			/5.6:C
-PM:N		15	●		-X10:15	/1.4:A
		16	●		-X10:19	/1.4:A
-PS:N		17	●			/4.1:F
-QF:-X:D2		18	●			/4.3:F
-KA1:13		19	●		-HL3:x2	/4.7:F
-HL4:x2		20	●			/4.7:F
-PM:DIC		21	●		-QF:54-K4	/1.7:E
		22	●		-KA1:21	/1.8:E
-QF:53-K5		23	-		-PM: DI3	/1.8:D
-KA1:24		24	-		-PM:DI4	/1.8:D

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB	SHEET 10
		CHECKED						+ INC_GAS	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3002	REV. C
		DATE							

端子图表/Terminal Diagram

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-QF:33-K13		25	'		-TO GEN C/P	/5.1:A
-QF:34-K12		26	'		-TO GEN C/P	/5.2:A
-QF:31-K15		27	'		-TO GEN C/P	/5.2:A
-QF:32-K14		28	'		-TO GEN C/P	/5.2:A
-KA1:14		29	'		-TO GEN C/P	/5.3:A
-KA1:11		30	'		-TO GEN C/P	/5.3:A
-QF:43-K9		31	'			/5.3:A
-QF:44-K8		32	'			/5.3:A
-QF:41-K11		33	'			/5.4:A
-QF:42-K10		34	'			/5.4:A
-QF:104		35	'			/5.4:A
-QF:101		36	'			/5.4:A
		37	'			/5.6:C
		38	'			/5.6:D
		39	'			/5.6:B
		40	'			/5.6:B
		41	'			/5.6:C
		42	'			/5.6:C
		43	'			/5.6:C
		44	'			/5.6:C
		45	'			/5.6:C

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REV.	DESCRIPTION		
CUSTOMER DRAWING NO.	REV.		

DRAWN
CHECKED
APPROVED
DATE

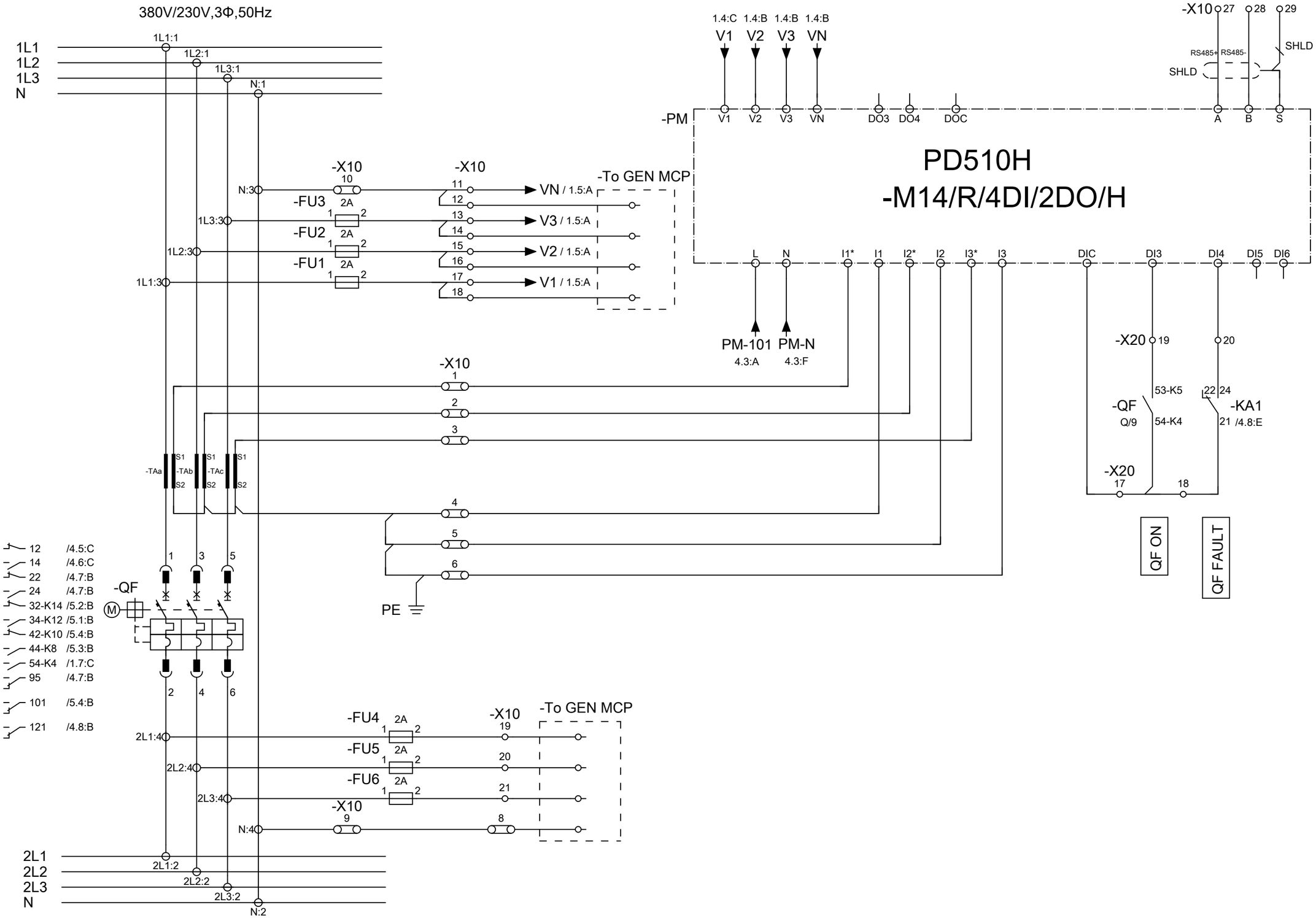
TITLE: SCHEMATIC DIAGRAM
PROJECT NO.: PM003373

XIAMEN L.V. EQUIPMENT CO.LTD.

FUNCTION: Gas Generator Incomer
PROJECT NAME: 中乌天然气管道压气站UCS3

SCALE: 1:1
= ACB
+ INC_GAS
SHEET 11
TOTAL 11
A3
DRAWING NO.: 1TNR003373D3002
REV.: C

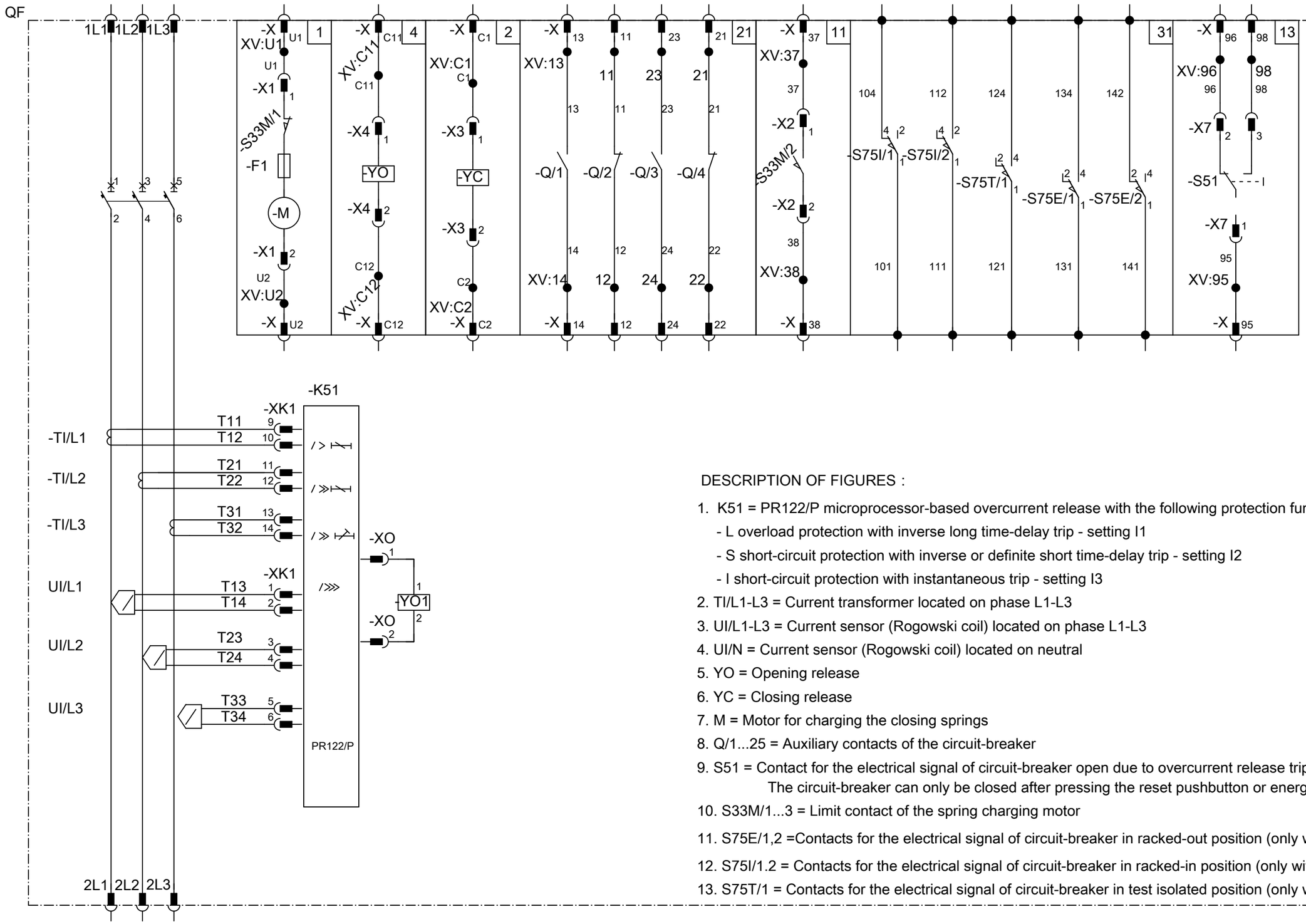
SINGLE LINE & METERING CIRCUIT



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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB + BUSCOUPLER_AB	SHEET 1 TOTAL 11
		CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003	REV. C
		DATE							

CIRCUIT BREAKER	CLOSING SPRINGS CHARGING MOTOR	SHUNT OPENING RELEASE	SHUNT CLOSING RELEASE	FIRST SET OF AUXILIARY CONTACTS	SPRING CHARGED CONTACT	ELECTRICAL SIGNAL OF CIRCUIT BRAKER			SIGNAL CONTACT
						RACKED-IN	TEST ISOLATED	RACKED-OUT	



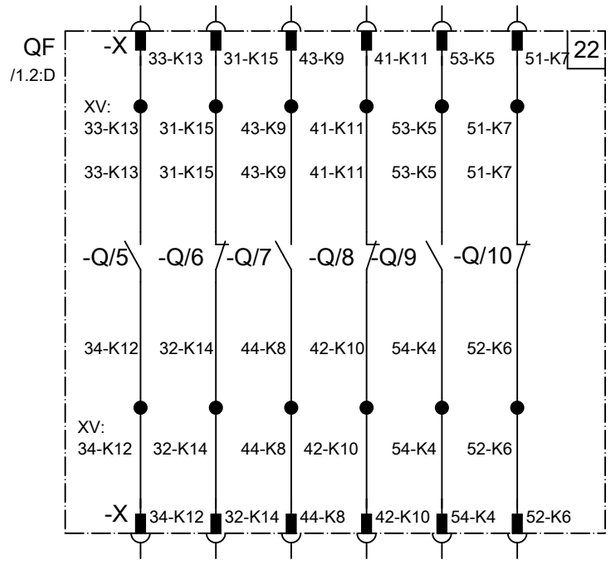
DESCRIPTION OF FIGURES :

1. K51 = PR122/P microprocessor-based overcurrent release with the following protection functions
   - L overload protection with inverse long time-delay trip - setting I1
   - S short-circuit protection with inverse or definite short time-delay trip - setting I2
   - I short-circuit protection with instantaneous trip - setting I3
2. TI/L1-L3 = Current transformer located on phase L1-L3
3. UI/L1-L3 = Current sensor (Rogowski coil) located on phase L1-L3
4. UI/N = Current sensor (Rogowski coil) located on neutral
5. YO = Opening release
6. YC = Closing release
7. M = Motor for charging the closing springs
8. Q/1...25 = Auxiliary contacts of the circuit-breaker
9. S51 = Contact for the electrical signal of circuit-breaker open due to overcurrent release tripped.
   The circuit-breaker can only be closed after pressing the reset pushbutton or energizing the coil
10. S33M/1...3 = Limit contact of the spring charging motor
11. S75E/1,2 =Contacts for the electrical signal of circuit-breaker in racked-out position (only with withdrawable)
12. S75I/1.2 = Contacts for the electrical signal of circuit-breaker in racked-in position (only with withdrawable)
13. S75T/1 = Contacts for the electrical signal of circuit-breaker in test isolated position (only with withdrawable)

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REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	BUSCOUPLER_AB	SCALE	= ACB	SHEET	2
		CHECKED							1:1	+ BUSCOUPLER_AB	TOTAL	11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO.		REV.
		DATE								1TNR003373D3003		C

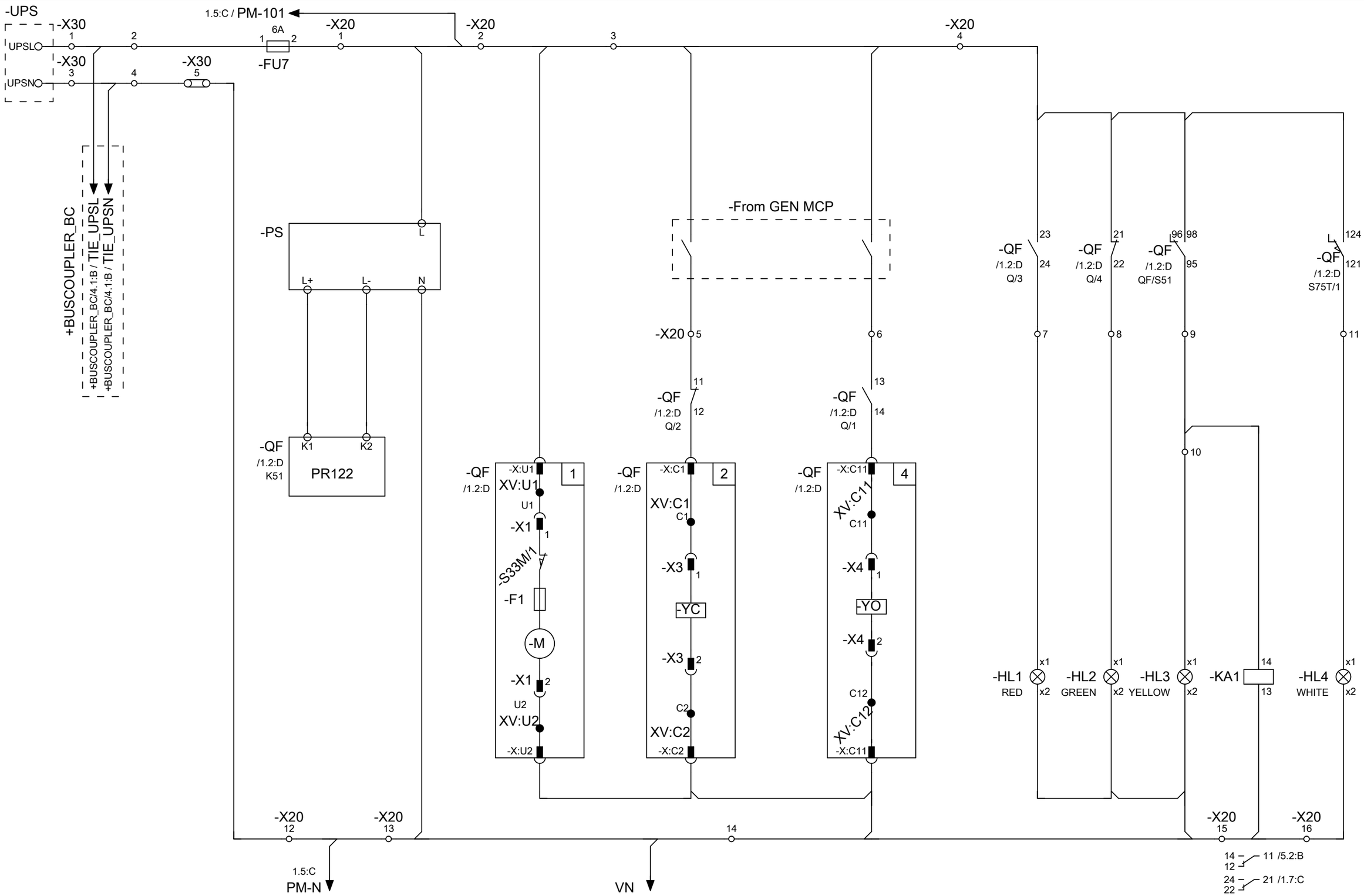
SECOND SET OF AUXILIARY CONTACTS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB	SHEET 3
REV.	DESCRIPTION	CHECKED						+ BUSCOUPLER_AB	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003	REV. C
		DATE							

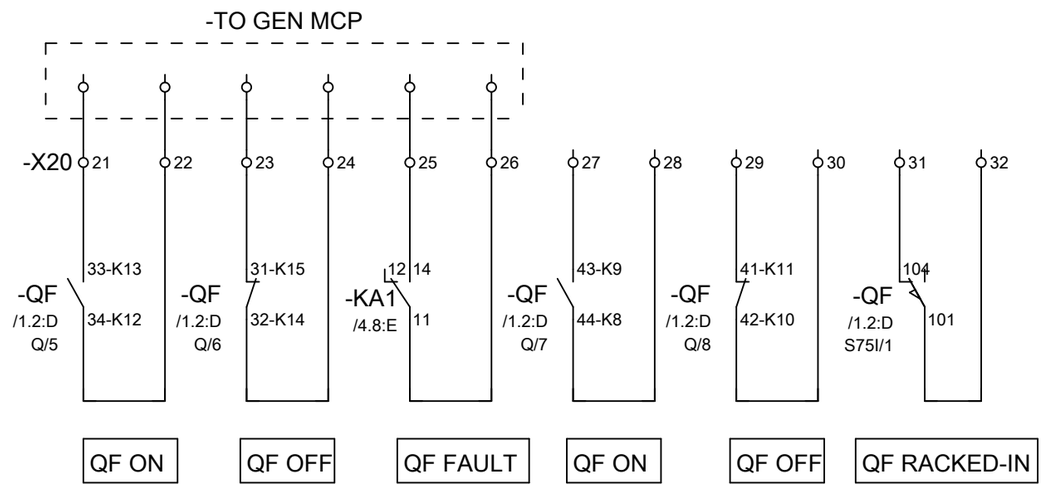
POWER SUPPLY	PR122 POWER	MOTOR CHARGING	CLOSE	OPEN	INDICATION		
					ON	OFF	FAULT

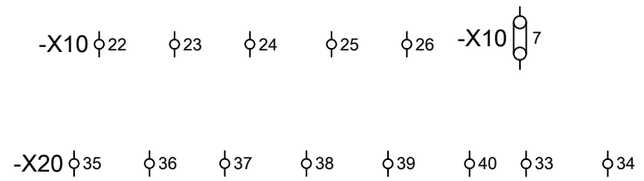


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		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION BUSCOUPLER_AB	SCALE 1:1 = ACB + BUSCOUPLER_AB	SHEET 4
REV.	DESCRIPTION	CHECKED						TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003 REV. C
		DATE						

OUTPUT SIGNALS	SPARE TERMINALS





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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB	SHEET 5
			CHECKED						+ BUSCOUPLER_AB	TOTAL 11
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003	REV. C
			DATE							

部件清单/Part List

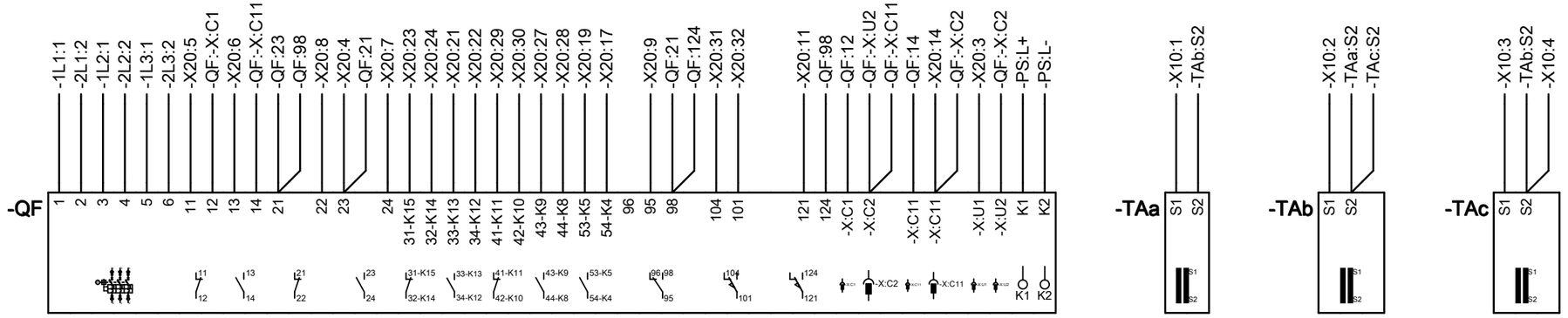
设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-FU1	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_AB/1.3:C
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/1.3:C
-FU2	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_AB/1.3:B
-FU2	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/1.3:B
-FU3	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_AB/1.3:B
-FU3	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/1.3:B
-FU4	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_AB/1.3:E
-FU4	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/1.3:E
-FU5	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_AB/1.3:E
-FU5	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/1.3:E
-FU6	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_AB/1.3:E
-FU6	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/1.3:E
-FU7	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=ACB+BUSCOUPLER_AB/4.2:A
-FU7	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/4.2:A
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=ACB+BUSCOUPLER_AB/4.7:E
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=ACB+BUSCOUPLER_AB/4.7:E
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=ACB+BUSCOUPLER_AB/4.7:E
-HL4	Pilot	CL-523W,WHITE,AC220V	ABB	1	1SFA619402R5235	=ACB+BUSCOUPLER_AB/4.8:E
-KA1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=ACB+BUSCOUPLER_AB/4.8:E
-PM		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_AB/1.5:B
-PS	Power Supply	CP-E 24/0.75	ABB	1	1SVR427030R0000	=ACB+BUSCOUPLER_AB/4.2:B
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_AB/1.2:D
-TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_AB/1.2:D
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_AB/1.2:D
-TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_AB/1.2:D

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1 / = ACB / + BUSCOUPLER_AB / SHEET 6 / TOTAL 11
REV.	DESCRIPTION	CHECKED					
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3 / DRAWING NO. 1TNR003373D3003 / REV. C
		DATE					

设备连接图/Device Connection Diagram

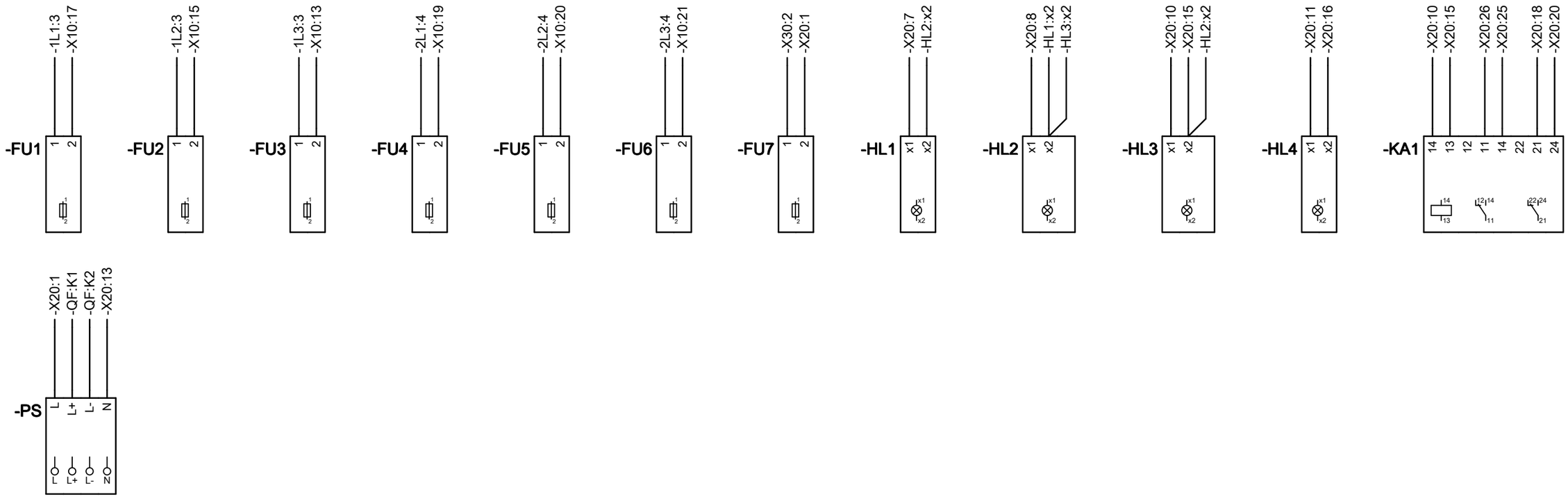
ACB柜内接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB + BUSCOUPLER_AB
REV.	DESCRIPTION	CHECKED						SHEET 7 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003 REV. C
		DATE						

设备连接图/Device Connection Diagram ACB铁斗接线图

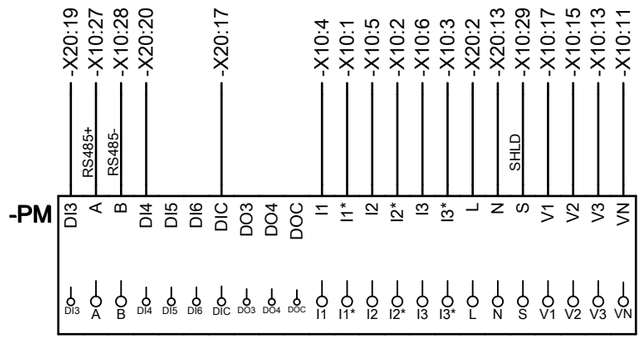


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB + BUSCOUPLER_AB
REV.	DESCRIPTION	CHECKED						SHEET 8 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003
		DATE						REV. C

设备连接图/Device Connection Diagram

ACB门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB / + BUSCOUPLER_AB
REV.	DESCRIPTION	CHECKED						SHEET 9 / TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003 / REV. C
		DATE						

端子图表/Terminal Diagram

-X10

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-TAa:S1		1	-		-PM:I1*	/1.3:C
-TAb:S1		2	-		-PM:I2*	/1.3:C
-TAc:S1		3	-		-PM:I3*	/1.3:C
-TAc:S2		4	●		-PM:I1	/1.3:D
		5	●		-PM:I2	/1.3:D
-PE		6	●		-PM:I3	/1.3:D
		7	-			/5.7:B
		8	●		-To GEN MCP	/1.4:F
-N:4		9	●			/1.3:F
-N:3		10	●			/1.3:B
		11	●		-PM:VN	/1.3:B
		12	●		-To GEN MCP	/1.3:B
-FU3:2		13	●		-PM:V3	/1.3:B
		14	●		-To GEN MCP	/1.3:B
-FU2:2		15	●		-PM:V2	/1.3:B
		16	●		-To GEN MCP	/1.3:B
-FU1:2		17	●		-PM:V1	/1.3:C
		18	●		-To GEN MCP	/1.3:C
-FU4:2		19	'		-To GEN MCP	/1.4:E
-FU5:2		20	'		-To GEN MCP	/1.4:E
-FU6:2		21	'		-To GEN MCP	/1.4:E
		22	'			/5.6:B
		23	'			/5.6:B
		24	'			/5.7:B
		25	'			/5.7:B
		26	'			/5.7:B
-PM:A	RS485+	27	'			/1.7:A
-PM:B	RS485-	28	'			/1.8:A
-PM:S	SHLD	29	'			/1.8:A

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU7:2		1	●		-PS:L	/4.3:A
		2	●		-PM:L	/4.4:A
-QF:-X:U1		3	●		-From GEN MCP	/4.4:A
-QF:23		4	●		-From GEN MCP	/4.6:A
-QF:11		5	'		-From GEN MCP	/4.5:C
-QF:13		6	'		-From GEN MCP	/4.6:C
-QF:24		7	'		-HL1:x1	/4.7:C
-QF:22		8	'		-HL2:x1	/4.7:C
-QF:95		9	●			/4.7:C
-KA1:14		10	●		-HL3:x1	/4.7:D
-QF:121		11	'		-HL4:x1	/4.8:C
		12	●		-X30:5	/4.2:F
-PS:N		13	●		-PM:N	/4.3:F
		14	●		-QF:-X:C11	/4.5:F
-KA1:13		15	●		-HL3:x2	/4.8:F
		16	●		-HL4:x2	/4.8:F
-QF:54-K4		17	●		-PM:DIC	/1.7:D
		18	●		-KA1:21	/1.7:D
-QF:53-K5		19	'		-PM: DI3	/1.7:C
-KA1:24		20	'		-PM:DI4	/1.7:C
-QF:33-K13		21	'		-TO GEN MCP	/5.1:A
-QF:34-K12		22	'		-TO GEN MCP	/5.2:A
-QF:31-K15		23	'		-TO GEN MCP	/5.2:A
-QF:32-K14		24	'		-TO GEN MCP	/5.2:A
-KA1:14		25	'		-TO GEN MCP	/5.3:A
-KA1:11		26	'		-TO GEN MCP	/5.3:A
-QF:43-K9		27	'			/5.3:A
-QF:44-K8		28	'			/5.3:A
-QF:41-K11		29	'			/5.4:A
-QF:42-K10		30	'			/5.4:A
-QF:104		31	'			/5.4:A
-QF:101		32	'			/5.4:A
		33	'			/5.7:B

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB	SHEET 10
		CHECKED						+ BUSCOUPLER_AB	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003	REV. C
		DATE							

端子图表/Terminal Diagram

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
		34	-			/5.8:B
		35	-			/5.6:B
		36	-			/5.6:B
		37	-			/5.6:B
		38	-			/5.7:B
		39	-			/5.7:B
		40	-			/5.7:B

-X30

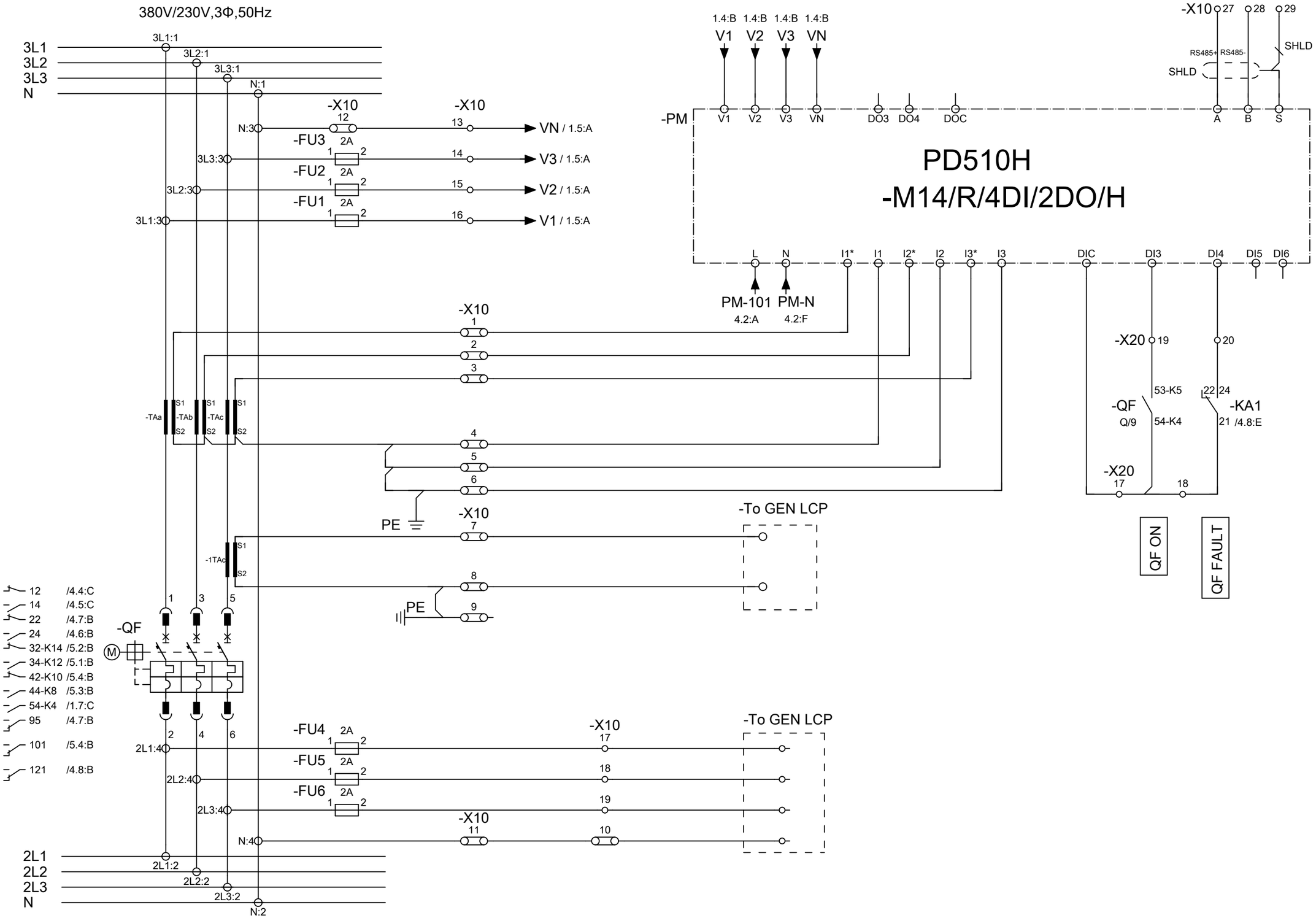
目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-UPS:UPSL		1	●			/4.1:A
-FU7:1		2	●		+BUSCOUPLER_BC-X30:1	/4.2:A
-UPS:UPSN		3	●			/4.1:A
		4	●		+BUSCOUPLER_BC-X30:3	/4.2:A
		5	●		-X20:12	/4.2:A

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB	SHEET 11
		CHECKED						+ BUSCOUPLER_AB	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003	REV. C
		DATE							

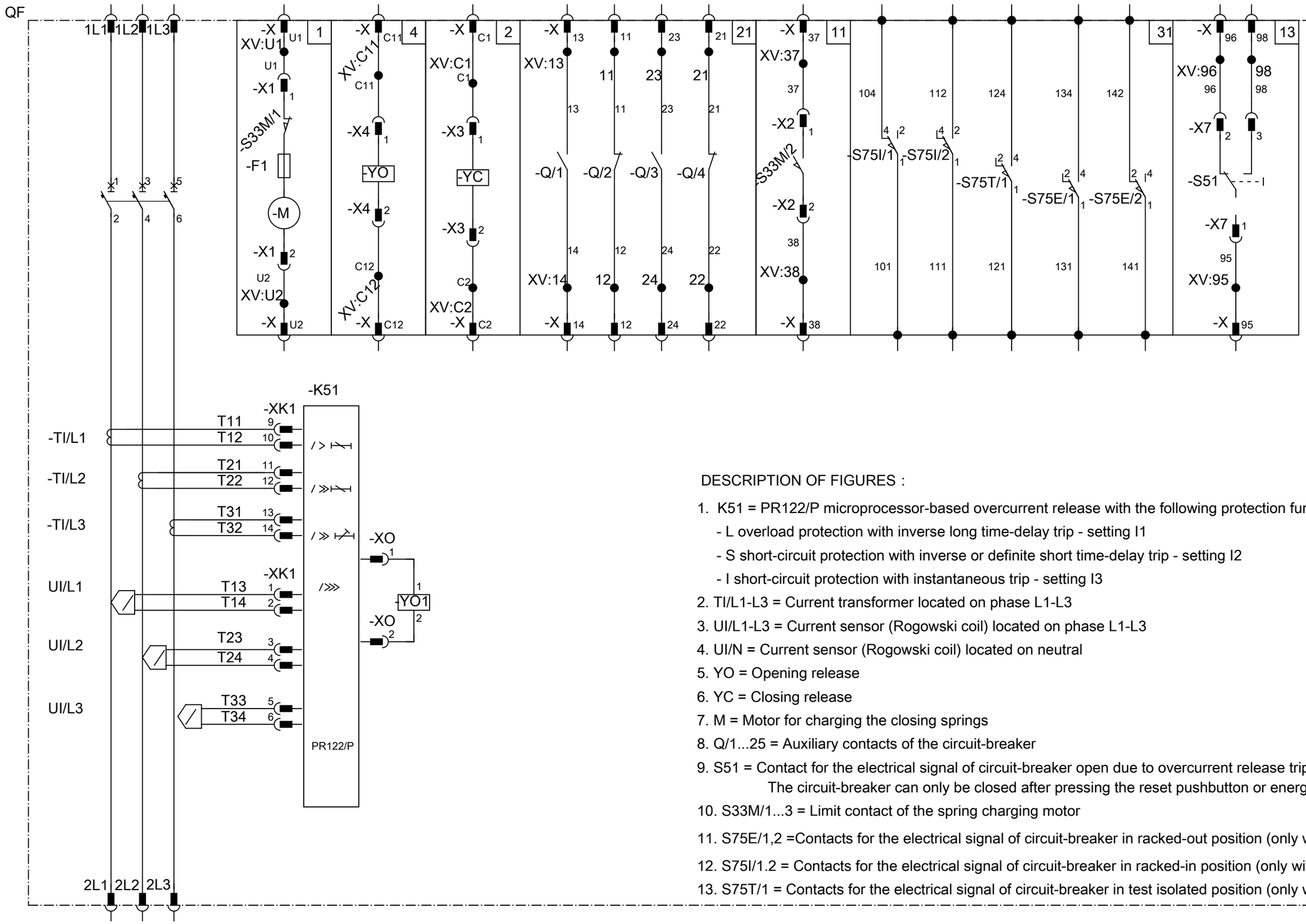
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SINGLE LINE & METERING CIRCUIT



		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB	SHEET 1
REV.	DESCRIPTION	CHECKED						+ BUSCOUPLER_BC	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C	REV. C
		DATE							

CIRCUIT BREAKER	CLOSING SPRINGS CHARGING MOTOR	SHUNT OPENING RELEASE	SHUNT CLOSING RELEASE	FIRST SET OF AUXILIARY CONTACTS	SPRING CHARGED CONTACT	ELECTRICAL SIGNAL OF CIRCUIT BRAKER			SIGNAL CONTACT
						RACKED-IN	TEST ISOLATED	RACKED-OUT	



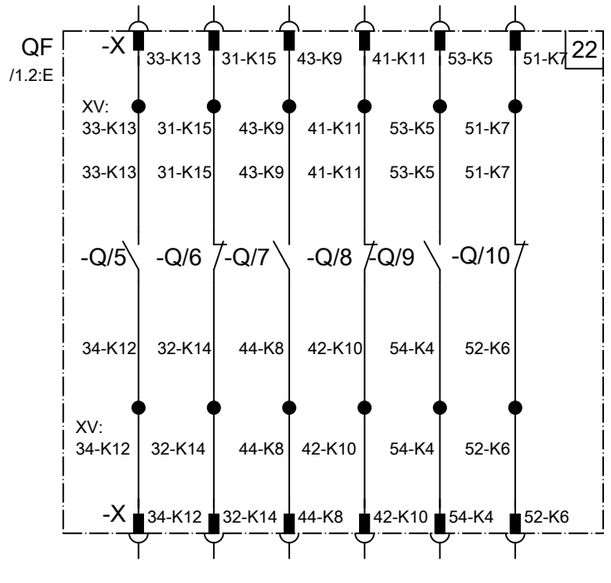
DESCRIPTION OF FIGURES :

1. K51 = PR122/P microprocessor-based overcurrent release with the following protection functions
   - L overload protection with inverse long time-delay trip - setting I1
   - S short-circuit protection with inverse or definite short time-delay trip - setting I2
   - I short-circuit protection with instantaneous trip - setting I3
2. TI/L1-L3 = Current transformer located on phase L1-L3
3. UI/L1-L3 = Current sensor (Rogowski coil) located on phase L1-L3
4. UI/N = Current sensor (Rogowski coil) located on neutral
5. YO = Opening release
6. YC = Closing release
7. M = Motor for charging the closing springs
8. Q/1...25 = Auxiliary contacts of the circuit-breaker
9. S51 = Contact for the electrical signal of circuit-breaker open due to overcurrent release tripped.
   The circuit-breaker can only be closed after pressing the reset pushbutton or energizing the coil
10. S33M/1...3 = Limit contact of the spring charging motor
11. S75E/1,2 =Contacts for the electrical signal of circuit-breaker in racked-out position (only with withdrawable)
12. S75I/1.2 = Contacts for the electrical signal of circuit-breaker in racked-in position (only with withdrawable)
13. S75T/1 = Contacts for the electrical signal of circuit-breaker in test isolated position (only with withdrawable)

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REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	BUSCOUPLER_BC	SCALE	= ACB	SHEET	2
		CHECKED							1:1	+ BUSCOUPLER_BC	TOTAL	11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO.		REV.
		DATE								1TNR003373D3003C		C

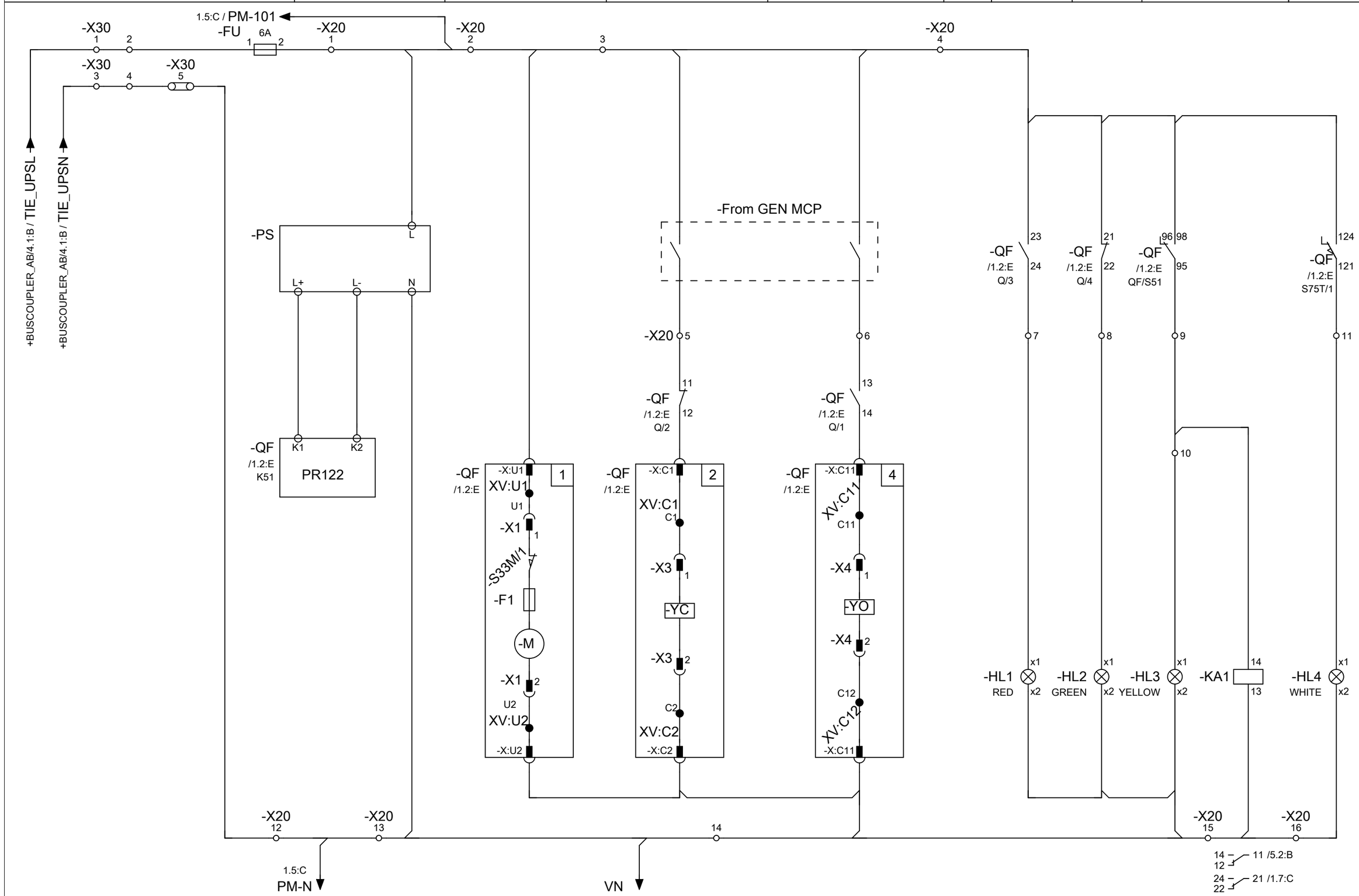
SECOND SET OF AUXILIARY CONTACTS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC	SHEET 3 TOTAL 11
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C	REV. C
		DATE							

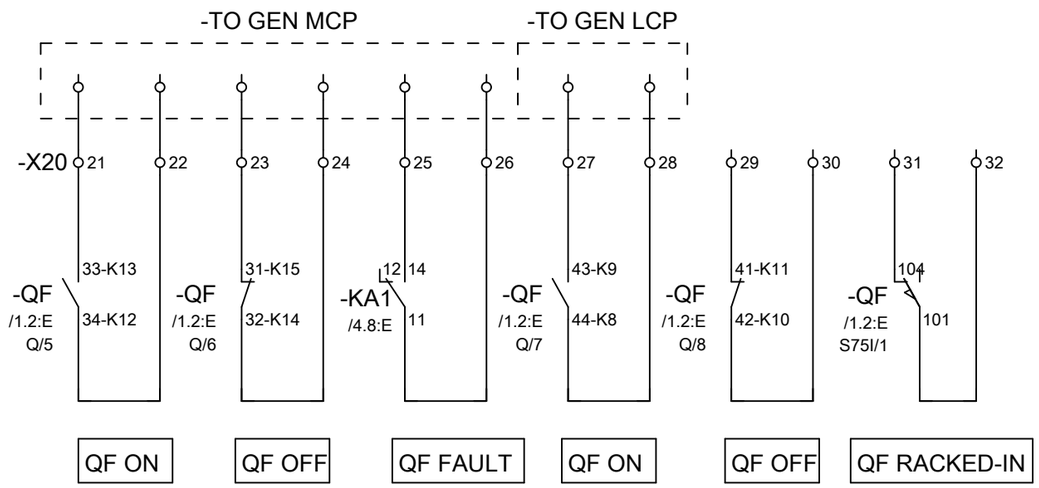
POWER SUPPLY	PR122 POWER	MOTOR CHARGING	CLOSE	OPEN		INDICATION		
						ON	OFF	FAULT



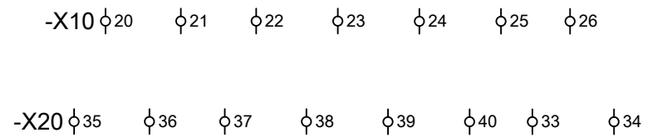
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		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION BUSCOUPLER_BC	SCALE 1:1 = ACB + BUSCOUPLER_BC	SHEET 4 TOTAL 11
REV.	DESCRIPTION	CHECKED						
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C REV. C
		DATE						

OUTPUT SIGNALS



SPARE TERMINALS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
REV.	DESCRIPTION	CHECKED						SHEET 5 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C
		DATE						REV. C

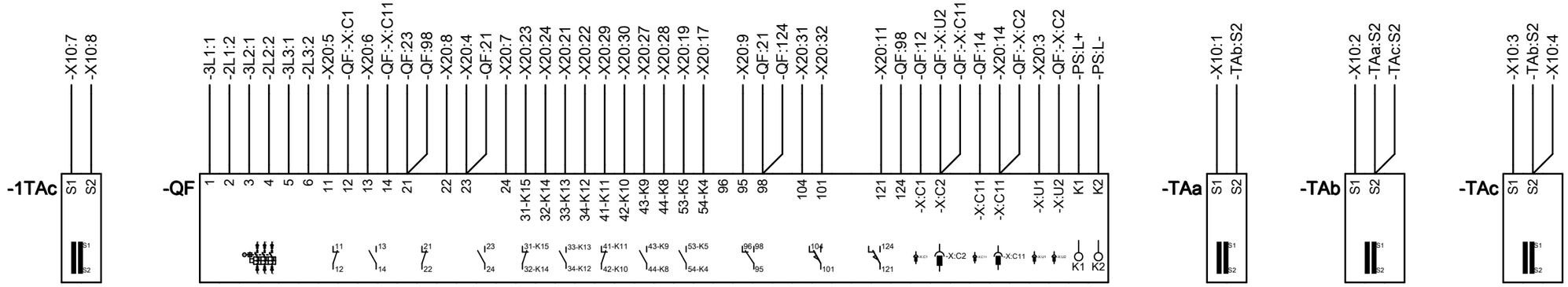
部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_BC/1.2:D
-FU	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=ACB+BUSCOUPLER_BC/4.2:A
-FU	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_BC/4.2:A
-FU1	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_BC/1.3:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_BC/1.3:B
-FU2	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_BC/1.3:B
-FU2	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_BC/1.3:B
-FU3	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_BC/1.3:B
-FU3	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_BC/1.3:B
-FU4	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_BC/1.3:E
-FU4	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_BC/1.3:E
-FU5	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_BC/1.3:E
-FU5	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_BC/1.3:E
-FU6	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_BC/1.3:F
-FU6	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_BC/1.3:F
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=ACB+BUSCOUPLER_BC/4.6:E
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=ACB+BUSCOUPLER_BC/4.7:E
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=ACB+BUSCOUPLER_BC/4.7:E
-HL4	Pilot	CL-523W,WHITE,AC220V	ABB	1	1SFA619402R5235	=ACB+BUSCOUPLER_BC/4.8:E
-KA1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=ACB+BUSCOUPLER_BC/4.8:E
-PM		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_BC/1.5:B
-PS	Power Supply	CP-E 24/0.75	ABB	1	1SVR427030R0000	=ACB+BUSCOUPLER_BC/4.2:B
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_BC/1.2:E
-TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_BC/1.2:C
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_BC/1.2:C
-TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+BUSCOUPLER_BC/1.2:C

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		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
REV.	DESCRIPTION	CHECKED						SHEET 6 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C REV. C
		DATE						

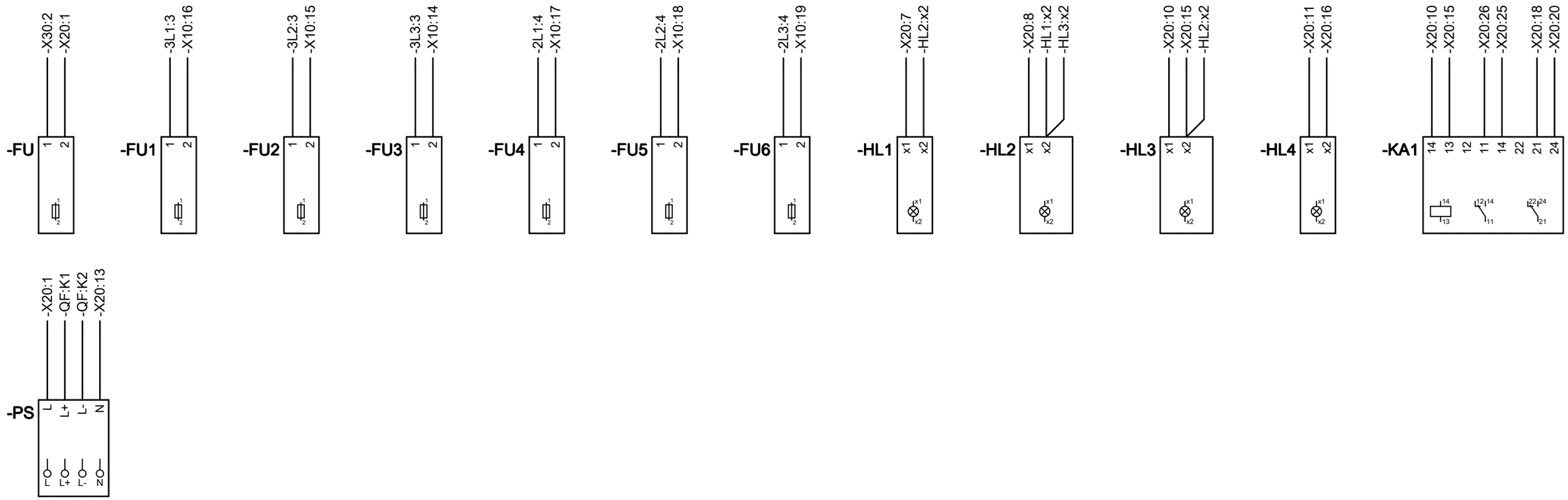
设备连接图/Device Connection Diagram ACB柜内接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
REV.	DESCRIPTION	CHECKED						SHEET 7 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C
		DATE						REV. C

设备连接图/Device Connection Diagram ACB铁斗接线图

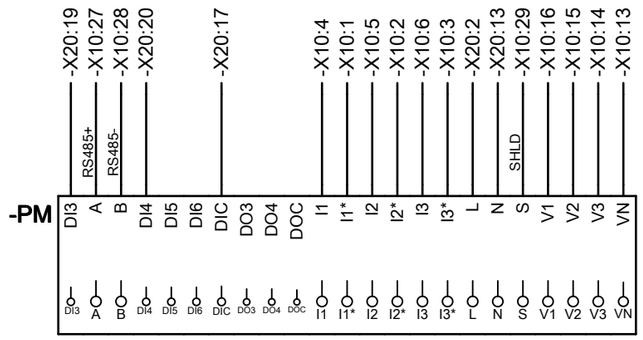


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
REV.	DESCRIPTION	CHECKED						SHEET 8 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C
		DATE						REV. C

设备连接图/Device Connection Diagram

ACB门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
REV.	DESCRIPTION	CHECKED						SHEET 9 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C REV. C
		DATE						

端子图表/Terminal Diagram

-X10

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-TAa:S1		1	-		-PM:I1*	/1.3:C
-TAb:S1		2	-		-PM:I2*	/1.3:C
-TAc:S1		3	-		-PM:I3*	/1.3:C
-TAc:S2		4	●		-PM:I1	/1.3:C
		5	●		-PM:I2	/1.3:D
-PE		6	●		-PM:I3	/1.3:D
-1TAc:S1		7	-		-To GEN LCP	/1.3:D
-1TAc:S2		8	●		-To GEN LCP	/1.3:D
-PE		9	●			/1.3:D
		10	●		-To GEN LCP	/1.4:F
-N:4		11	●			/1.3:F
-N:3		12	●			/1.3:B
		13	●		-PM:VN	/1.3:B
-FU3:2		14	-		-PM:V3	/1.3:B
-FU2:2		15	-		-PM:V2	/1.3:B
-FU1:2		16	-		-PM:V1	/1.3:B
-FU4:2		17	-		-To GEN LCP	/1.4:E
-FU5:2		18	-		-To GEN LCP	/1.4:E
-FU6:2		19	-		-To GEN LCP	/1.4:F
		20	-			/5.6:B
		21	-			/5.6:B
		22	-			/5.7:B
		23	-			/5.7:B
		24	-			/5.7:B
		25	-			/5.7:B
		26	-			/5.8:B
-PM:A	RS485+	27	-			/1.7:A
-PM:B	RS485-	28	-			/1.8:A
-PM:S	SHLD	29	-			/1.8:A

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU:2		1	●		-PS:L	/4.3:A
		2	●		-PM:L	/4.3:A
-QF:-X:U1		3	●		-From GEN MCP	/4.4:A
-QF:23		4	●		-From GEN MCP	/4.6:A
-QF:11		5	-		-From GEN MCP	/4.4:C
-QF:13		6	-		-From GEN MCP	/4.5:C
-QF:24		7	-		-HL1:x1	/4.6:C
-QF:22		8	-		-HL2:x1	/4.7:C
-QF:95		9	●			/4.7:C
-KA1:14		10	●		-HL3:x1	/4.7:D
-QF:121		11	-		-HL4:x1	/4.8:C
		12	●		-X30:5	/4.2:F
-PS:N		13	●		-PM:N	/4.3:F
		14	●		-QF:-X:C11	/4.5:F
-KA1:13		15	●		-HL3:x2	/4.7:F
		16	●		-HL4:x2	/4.8:F
-QF:54-K4		17	●		-PM:DIC	/1.7:D
		18	●		-KA1:21	/1.7:D
-QF:53-K5		19	-		-PM: DI3	/1.7:C
-KA1:24		20	-		-PM:DI4	/1.7:C
-QF:33-K13		21	-		-TO GEN MCP	/5.1:A
-QF:34-K12		22	-		-TO GEN MCP	/5.2:A
-QF:31-K15		23	-		-TO GEN MCP	/5.2:A
-QF:32-K14		24	-		-TO GEN MCP	/5.2:A
-KA1:14		25	-		-TO GEN MCP	/5.3:A
-KA1:11		26	-		-TO GEN MCP	/5.3:A
-QF:43-K9		27	-		-TO GEN LCP	/5.3:A
-QF:44-K8		28	-		-TO GEN LCP	/5.3:A
-QF:41-K11		29	-			/5.4:A
-QF:42-K10		30	-			/5.4:A
-QF:104		31	-			/5.4:A
-QF:101		32	-			/5.4:A
		33	-			/5.7:B

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REV.	DESCRIPTION			DRAWN		TITLE SCHEMATIC DIAGRAM	ABB XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB	SHEET 10
				CHECKED						+ BUSCOUPLER_BC	TOTAL 11
CUSTOMER DRAWING NO.		REV.		APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C	REV. C
				DATE							

端子图表/Terminal Diagram

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
		34	-			/5.8:B
		35	-			/5.6:B
		36	-			/5.6:B
		37	-			/5.6:B
		38	-			/5.7:B
		39	-			/5.7:B
		40	-			/5.7:B

-X30

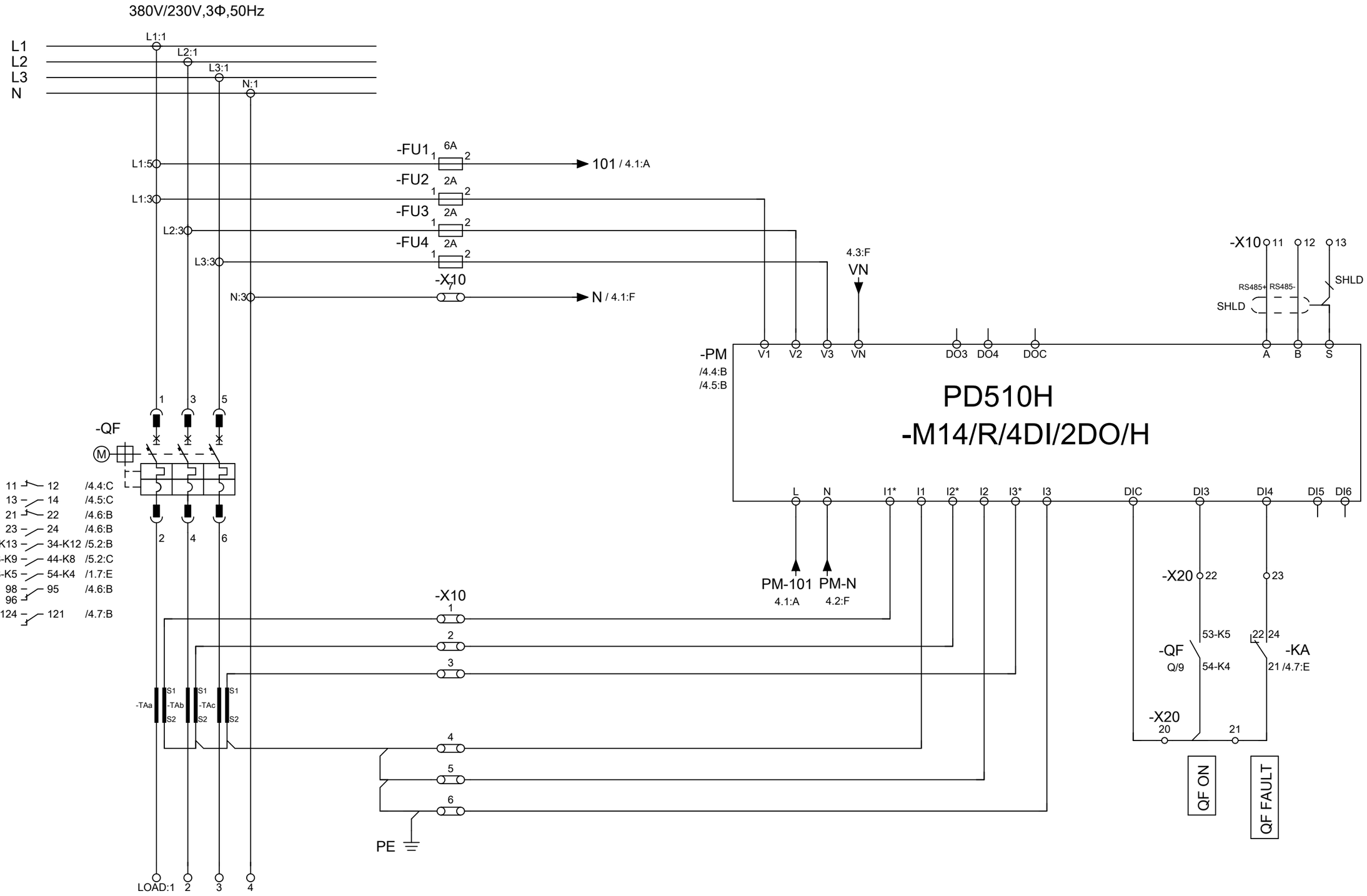
目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
		1	●		+BUSCOUPLER_AB-X30:2	/4.1:A
		2	●		-FU:1	/4.1:A
		3	●		+BUSCOUPLER_AB-X30:4	/4.1:A
		4	●			/4.1:A
		5	●		-X20:12	/4.2:A

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
REV.	DESCRIPTION	CHECKED						SHEET 11 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3003C REV. C
		DATE						

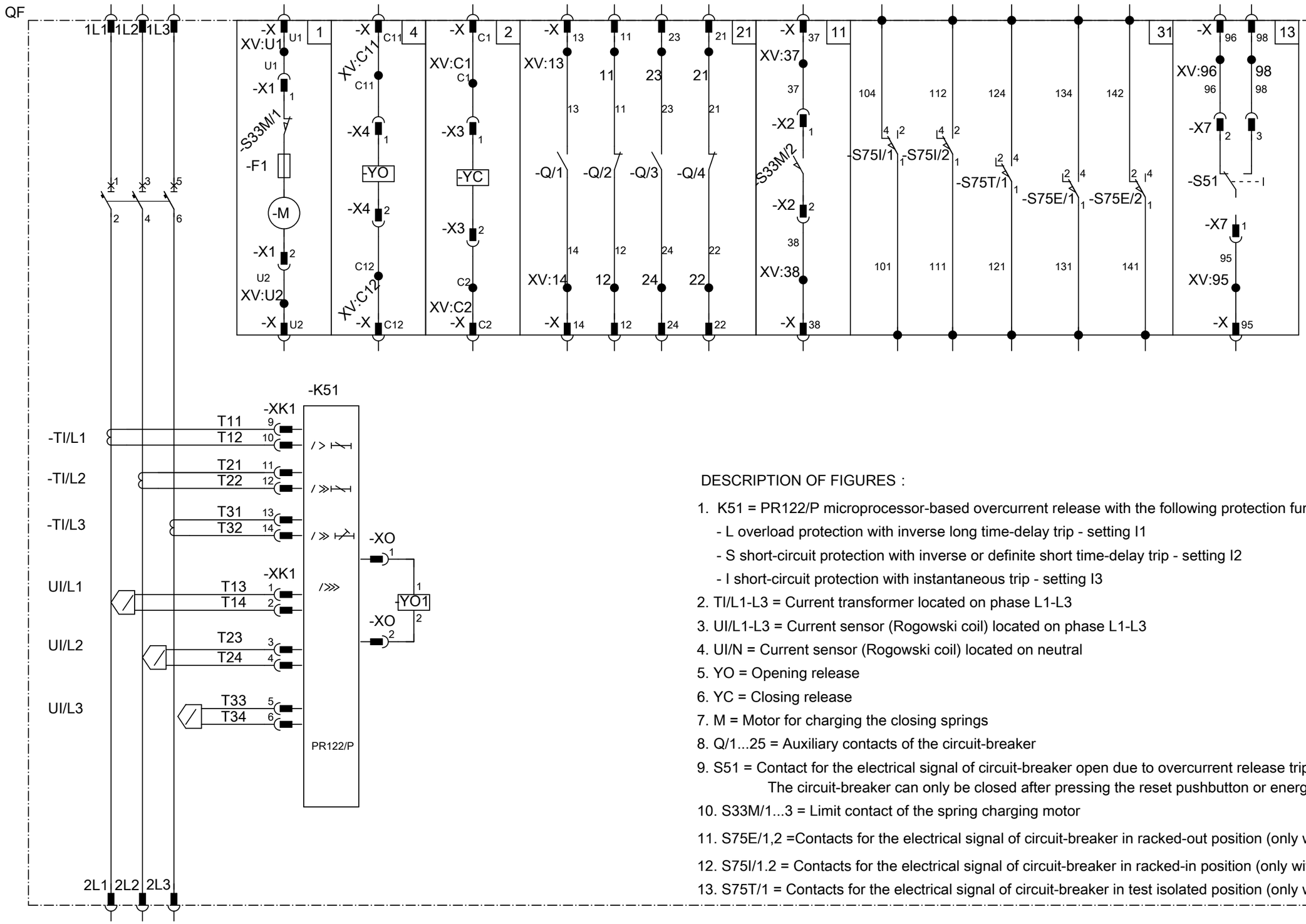
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SINGLE LINE & METERING CIRCUIT



		DRAWN		TITLE SCHEMATIC DIAGRAM	ABB XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1	= ACB	SHEET 1
REV.	DESCRIPTION	CHECKED						+ Emax Feeder 3P	TOTAL 10
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004	REV. C
		DATE							

CIRCUIT BREAKER	CLOSING SPRINGS CHARGING MOTOR	SHUNT OPENING RELEASE	SHUNT CLOSING RELEASE	FIRST SET OF AUXILIARY CONTACTS	SPRING CHARGED CONTACT	ELECTRICAL SIGNAL OF CIRCUIT BRAKER			SIGNAL CONTACT
						RACKED-IN	TEST ISOLATED	RACKED-OUT	



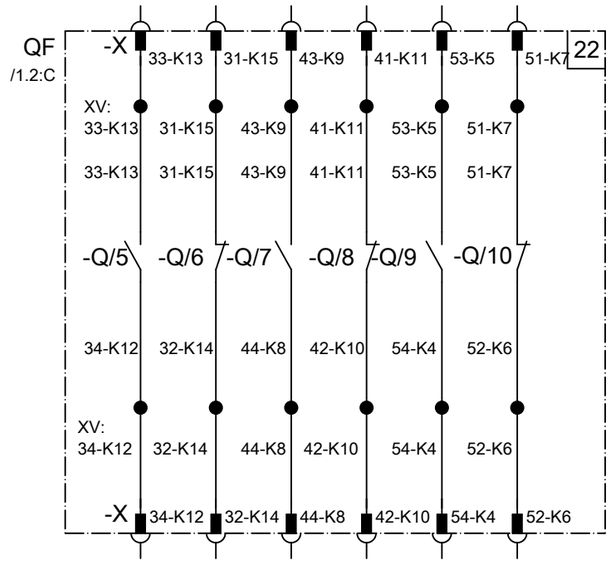
DESCRIPTION OF FIGURES :

1. K51 = PR122/P microprocessor-based overcurrent release with the following protection functions
   - L overload protection with inverse long time-delay trip - setting I1
   - S short-circuit protection with inverse or definite short time-delay trip - setting I2
   - I short-circuit protection with instantaneous trip - setting I3
2. TI/L1-L3 = Current transformer located on phase L1-L3
3. UI/L1-L3 = Current sensor (Rogowski coil) located on phase L1-L3
4. UI/N = Current sensor (Rogowski coil) located on neutral
5. YO = Opening release
6. YC = Closing release
7. M = Motor for charging the closing springs
8. Q/1...25 = Auxiliary contacts of the circuit-breaker
9. S51 = Contact for the electrical signal of circuit-breaker open due to overcurrent release tripped.
   The circuit-breaker can only be closed after pressing the reset pushbutton or energizing the coil
10. S33M/1...3 = Limit contact of the spring charging motor
11. S75E/1,2 =Contacts for the electrical signal of circuit-breaker in racked-out position (only with withdrawable)
12. S75I/1.2 = Contacts for the electrical signal of circuit-breaker in racked-in position (only with withdrawable)
13. S75T/1 = Contacts for the electrical signal of circuit-breaker in test isolated position (only with withdrawable)

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REV.	DESCRIPTION	DRAWN		TITLE			FUNCTION		SCALE		SHEET	
		CHECKED		SCHEMATIC DIAGRAM			Emax_Feeder_3P		1:1	= ACB + Emax Feeder 3P	TOTAL	10
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004	REV.	C
		DATE										

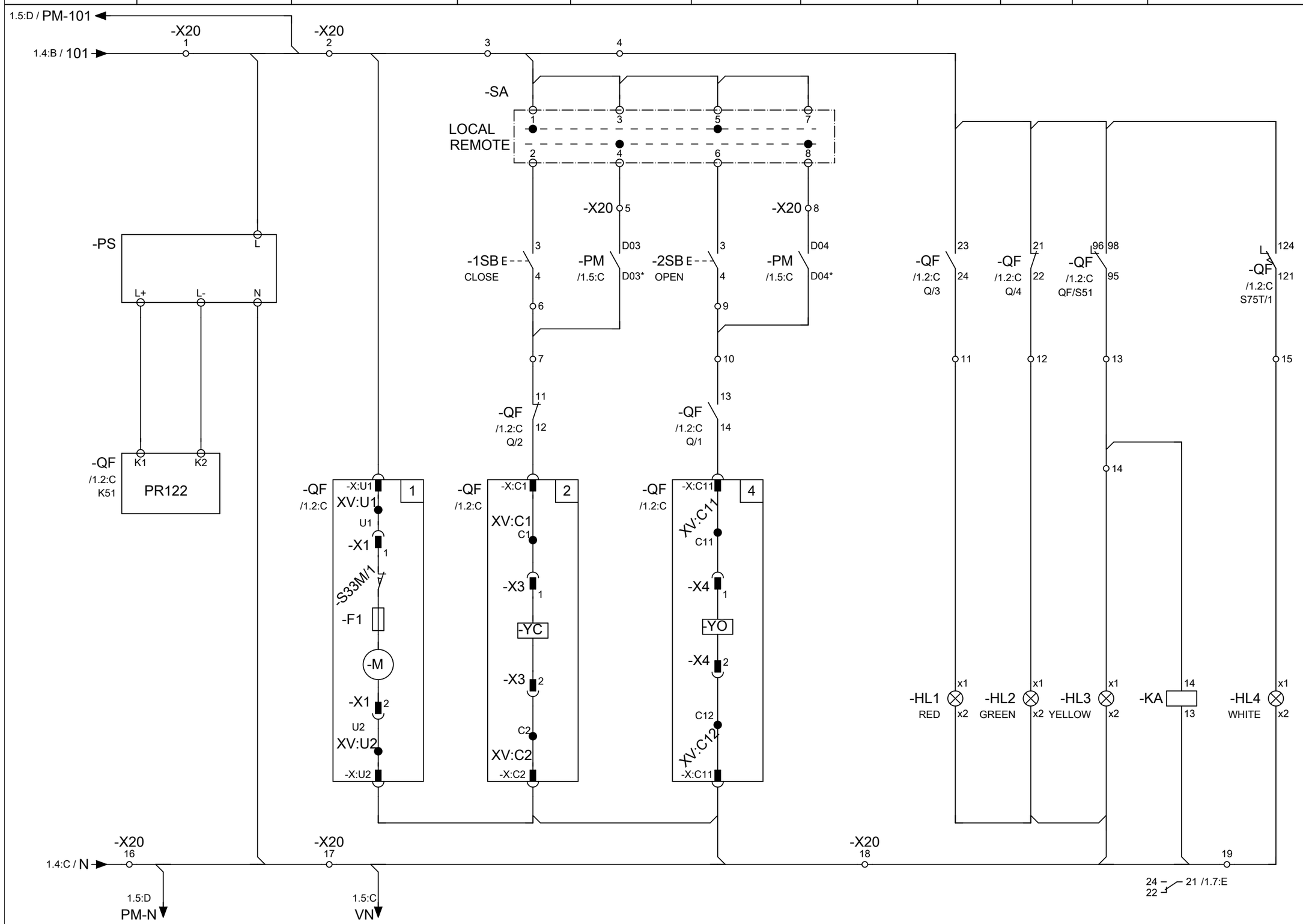
SECOND SET OF AUXILIARY CONTACTS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1	= ACB + Emax Feeder 3P	SHEET 3 TOTAL 10
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004	REV. C
		DATE							

POWER SUPPLY	PR122 POWER	MOTOR CHARGING	MANUAL CLOSE	REMOTE CLOSE	MANUAL OPEN	REMOTE OPEN	INDICATION			CONTACT ADDED
							ON	OFF	FAULT	



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		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Emax_Feeder_3P	SCALE 1:1	= ACB + Emax Feeder 3P	SHEET 4 TOTAL 10
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004	REV. C
		DATE							

SPARE CONTACTS

-X20 24 — -QF 33-K13 34-K12 — 25
Q/5
/1.2:C

-X20 26 — -QF 43-K9 44-K8 — 27
Q/7
/1.2:C

SPARE TERMINALS

-X10 8 9 10 14 15

-X20 29 30 31 32 33 34 35

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CONTACT TABLE OF SA

POSITION \ TERMINAL	1-2	3-4	5-6	7-8
LOCAL	X		X	
REMOTE		X		X

		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1 / = ACB / + Emax Feeder 3P	SHEET 5 / TOTAL 10
REV.	DESCRIPTION	CHECKED						
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004 / REV. C
		DATE						

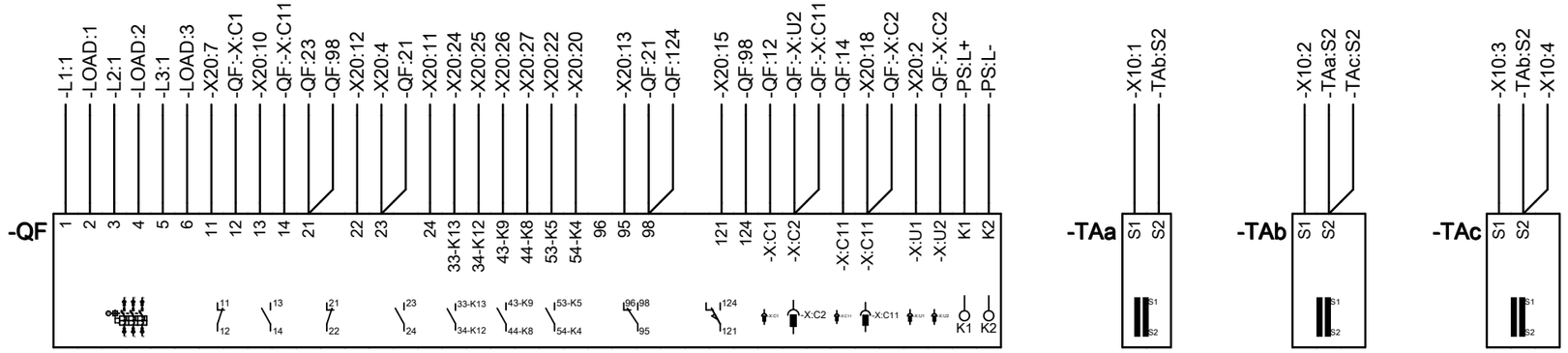
部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1SB	Push Button	M P1-10G,Green	ABB	1	1SFA611100R1002	=ACB+Emax Feeder 3P/4.4:B
-1SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=ACB+Emax Feeder 3P/4.4:B
-1SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=ACB+Emax Feeder 3P/4.4:B
-2SB	Push Button	M P1-10R,Red	ABB	1	1SFA611100R1001	=ACB+Emax Feeder 3P/4.5:B
-2SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=ACB+Emax Feeder 3P/4.5:B
-2SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=ACB+Emax Feeder 3P/4.5:B
-FU1	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=ACB+Emax Feeder 3P/1.3:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+Emax Feeder 3P/1.3:B
-FU2	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+Emax Feeder 3P/1.3:B
-FU2	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+Emax Feeder 3P/1.3:B
-FU3	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+Emax Feeder 3P/1.3:B
-FU3	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+Emax Feeder 3P/1.3:B
-FU4	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+Emax Feeder 3P/1.3:B
-FU4	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+Emax Feeder 3P/1.3:B
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=ACB+Emax Feeder 3P/4.6:E
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=ACB+Emax Feeder 3P/4.6:E
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=ACB+Emax Feeder 3P/4.7:E
-HL4	Pilot	CL-523W,WHITE,AC220V	ABB	1	1SFA619402R5235	=ACB+Emax Feeder 3P/4.7:E
-KA	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=ACB+Emax Feeder 3P/4.7:E
-PM		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+Emax Feeder 3P/1.5:C
-PS	Power Supply	CP-E 24/0.75	ABB	1	1SVR427030R0000	=ACB+Emax Feeder 3P/4.1:B
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+Emax Feeder 3P/1.2:C
-SA	Select Switch	OC25G04PNGN00S005L	ABB	1	1SCA128538R1001	=ACB+Emax Feeder 3P/4.3:A
-SA	Select Switch Panel	Panel,for OC25 9GA,LOCAL-REMOTE	ABB	1	1TNR105001R1346	=ACB+Emax Feeder 3P/4.3:A
-TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+Emax Feeder 3P/1.2:E
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+Emax Feeder 3P/1.2:E
-TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=ACB+Emax Feeder 3P/1.2:E

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1 / = ACB / + Emax Feeder 3P	SHEET 6 / TOTAL 10
REV.	DESCRIPTION	CHECKED						
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004 / REV. C
		DATE						

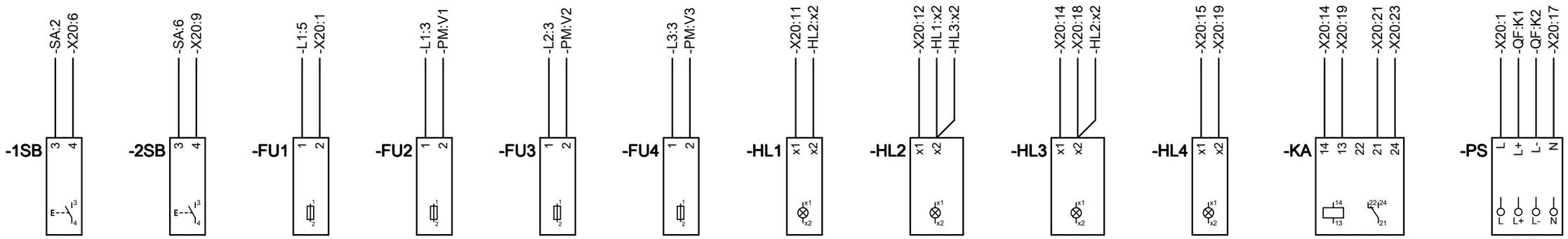
设备连接图/Device Connection Diagram ACB柜内接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1	= ACB + Emax Feeder 3P
REV.	DESCRIPTION	CHECKED						SHEET 7 TOTAL 10
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004
		DATE						REV. C

设备连接图/Device Connection Diagram ACB铁斗接线图



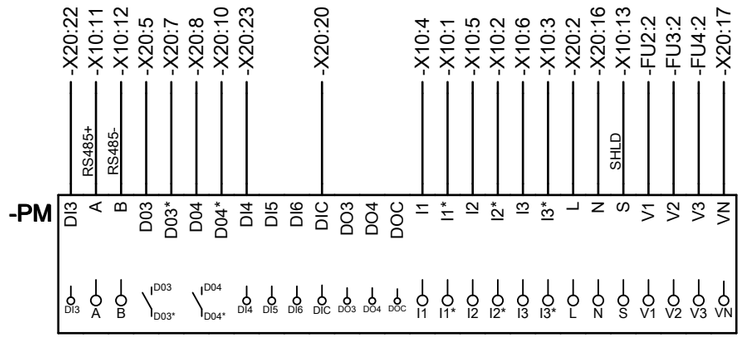


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1	= ACB	SHEET 8
REV.	DESCRIPTION	CHECKED						+ Emax Feeder 3P	TOTAL 10
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3004	REV. C
		DATE							

设备连接图/Device Connection Diagram

ACB门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1 / = ACB / + Emax Feeder 3P / SHEET 9 / TOTAL 10
REV.	DESCRIPTION	CHECKED					
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3 / DRAWING NO. 1TNR003373D3004 / REV. C
		DATE					

端子图表/Terminal Diagram

-X10

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-TAa:S1		1			-PM:I1*	/1.3:D
-TAb:S1		2			-PM:I2*	/1.3:E
-TAc:S1		3			-PM:I3*	/1.3:E
-TAc:S2		4	●		-PM:I1	/1.3:E
		5	●		-PM:I2	/1.3:E
-PE		6	●		-PM:I3	/1.3:E
-N:3		7			-X20:16	/1.3:C
		8				/5.6:B
		9				/5.7:B
		10				/5.7:B
-PM:A	RS485+	11				/1.7:B
-PM:B	RS485-	12				/1.8:B
-PM:S	SHLD	13				/1.8:B
		14				/5.7:B
		15				/5.7:B

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU1:2		1	●		-PS:L	/4.2:A
-QF:-X:U1		2	●		-PM:L	/4.2:A
-SA:1		3	●			/4.3:A
		4	●		-QF:23	/4.4:A
-SA:4		5			-PM:D03	/4.4:B
		6	●		-1SB:4	/4.4:C
-QF:11		7	●		-PM:D03*	/4.4:C
-SA:8		8			-PM:D04	/4.5:B
		9	●		-2SB:4	/4.5:C
-QF:13		10	●		-PM:D04*	/4.5:C
-QF:24		11			-HL1:x1	/4.6:C

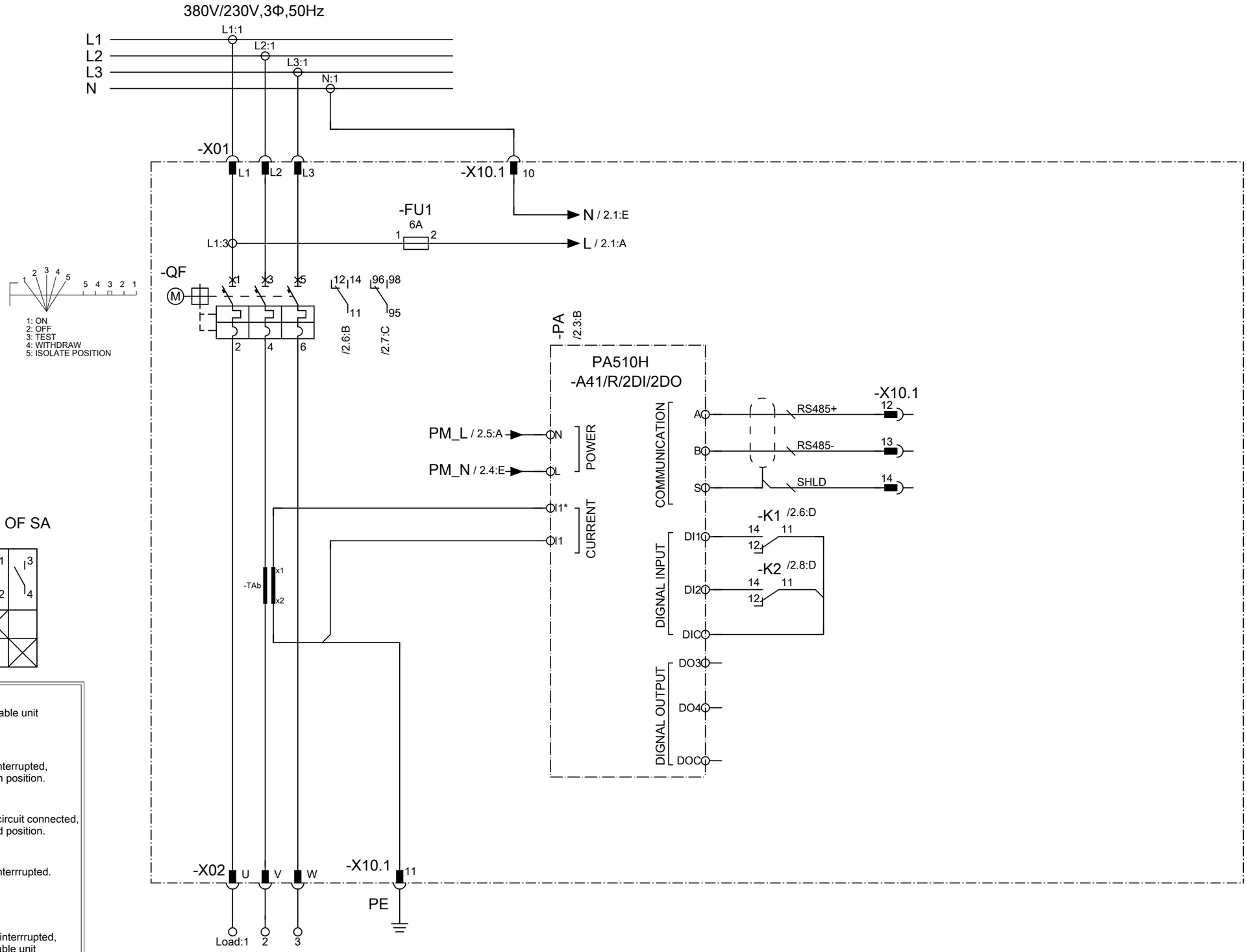
-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-QF:22		12			-HL2:x1	/4.6:C
-QF:95		13	●			/4.7:C
-KA:14		14	●		-HL3:x1	/4.7:D
-QF:121		15			-HL4:x1	/4.7:C
-PM:N		16	●		-X10:7	/4.1:F
-PS:N		17	●		-PM:VN	/4.2:F
-QF:-X:C11		18	●		-HL3:x2	/4.5:F
-KA:13		19	●		-HL4:x2	/4.7:F
-QF:54-K4		20	●		-PM:DIC	/1.7:E
-KA:21		21	●			/1.7:E
-QF:53-K5		22			-PM: DI3	/1.7:D
-KA:24		23			-PM:DI4	/1.7:D
-QF:33-K13		24				/5.2:B
-QF:34-K12		25				/5.3:B
-QF:43-K9		26				/5.2:C
-QF:44-K8		27				/5.3:C
		29				/5.6:B
		30				/5.6:B
		31				/5.7:B
		32				/5.7:B
		33				/5.7:B
		34				/5.7:B
		35				/5.7:B

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1 = ACB + Emax Feeder 3P / SHEET 10 / TOTAL 10
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3 DRAWING NO. 1TNR003373D3004 REV. C
		APPROVED					
		DATE					

SINGLE LINE DIAGRAM & METERING CIRCUIT



CONTACT TABLE OF SA

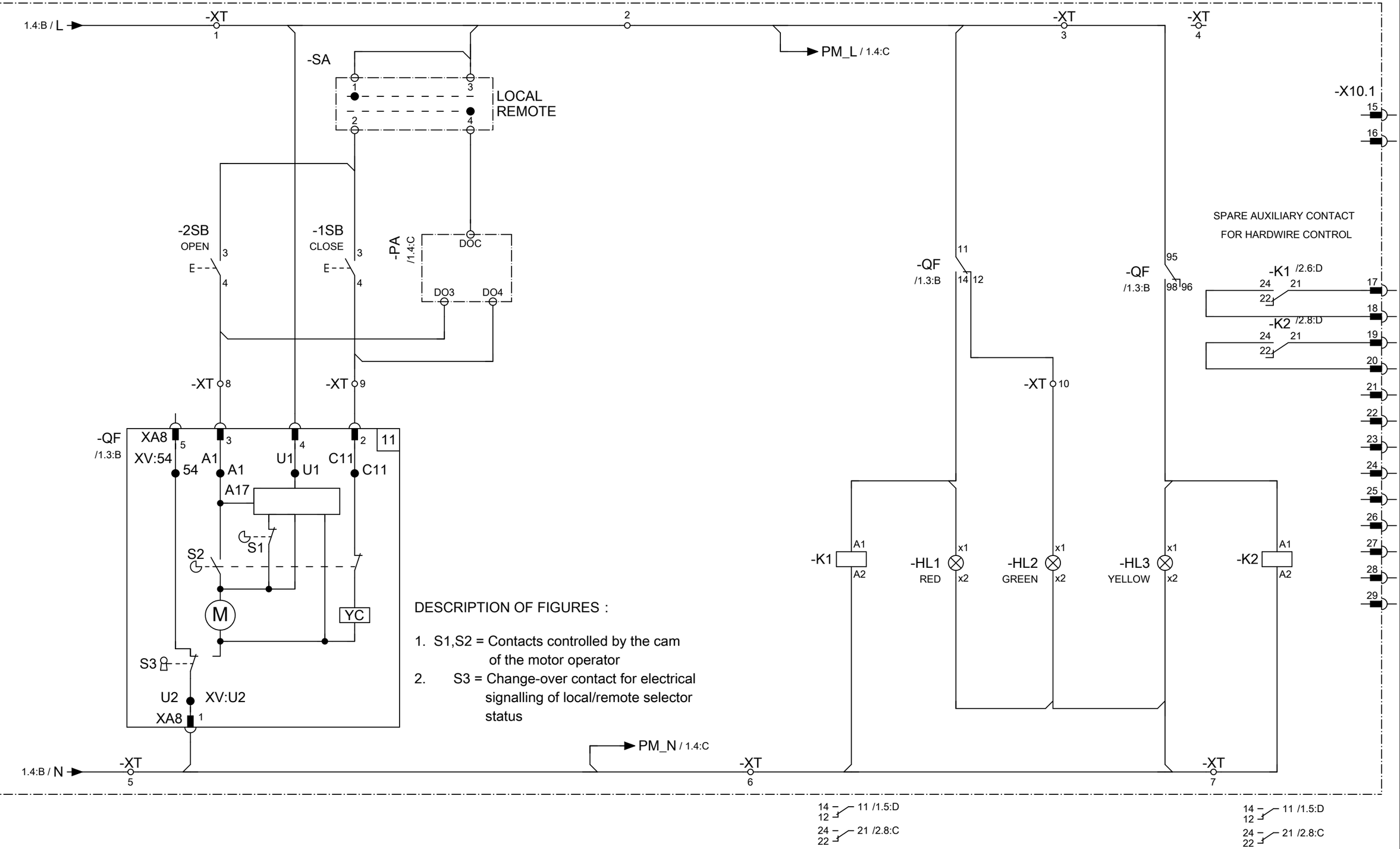
TERMINAL / POSITION	1 2	3 4
LOCAL	X	
REMOTE		X

1. I = Operating position, main switch ON, withdrawable unit locked in position.
2. ◯ = Main switch OFF, power and control circuit interrupted, withdrawable unit locked in position.
3. = Test position, main switch OFF, control circuit connected, withdrawable unit in locked position.
4. = Withdrawable position, power and control circuit interrrupted.
5. = Isolating position, unit withdrawn by 30mm, power and control circuits interrrupted, isolated and the withdrawable unit mechanically interlocked in position.

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_1CT	SCALE	= W_MODULE / + FD_3P_1CT
		CHECKED						SHEET 1 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3005 / REV. B
		DATE						

230V AC SUPPLY	PLC CONTROL	LOCAL CONTROL	REMOTE CONTROL	CONTACT ADDED	INDICATION			AUXILIARY CONTACT
					ON	OFF	FAULT	



DESCRIPTION OF FIGURES :

1. S1,S2 = Contacts controlled by the cam of the motor operator
2. S3 = Change-over contact for electrical signalling of local/remote selector status

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REV.	DESCRIPTION	DRAWN		TITLE			FUNCTION		SCALE		SHEET
		CHECKED		SCHEMATIC DIAGRAM			Tmax_Feeder_3P_MOE_1CT			= W_MODULE	2
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.			PROJECT NAME			+ FD_3P_1CT	TOTAL 7
		DATE		PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.		中乌天然气管道压气站UCS3		A3	DRAWING NO. 1TNR003373D3005	REV. B

部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1SB	Push Button	M P1-10G,Green	ABB	1	1SFA611100R1002	=W_MODULE+FD_3P_1CT/2.3:C
-1SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+FD_3P_1CT/2.3:C
-1SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+FD_3P_1CT/2.3:C
-2SB	Push Button	M P1-10R,Red	ABB	1	1SFA611100R1001	=W_MODULE+FD_3P_1CT/2.2:C
-2SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+FD_3P_1CT/2.2:C
-2SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+FD_3P_1CT/2.2:C
-FU1	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=W_MODULE+FD_3P_1CT/1.4:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=W_MODULE+FD_3P_1CT/1.4:B
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=W_MODULE+FD_3P_1CT/2.6:D
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=W_MODULE+FD_3P_1CT/2.7:D
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=W_MODULE+FD_3P_1CT/2.7:D
-K1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+FD_3P_1CT/2.6:D
-K2	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+FD_3P_1CT/2.8:D
-PA		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_1CT/1.4:C
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_1CT/1.3:B
-SA	Select Switch	OC25G04PNGN00S001I(LW39-16C-9GA-22/2)	ABB	1	1SCA127538R1001	=W_MODULE+FD_3P_1CT/2.3:A
-SA	Select Switch Panel	Panel,for OC25 9GA,LOCAL-REMOTE	ABB	1	1TNR105001R1346	=W_MODULE+FD_3P_1CT/2.3:A
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_1CT/1.3:D

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REV.	DESCRIPTION		
		DRAWN	
		CHECKED	
CUSTOMER DRAWING NO.	REV.	APPROVED	
		DATE	

TITLE: SCHEMATIC DIAGRAM

PROJECT NO.: PM003373

XIAMEN L.V. EQUIPMENT CO.LTD.

FUNCTION: Tmax_Feeder_3P_MOE_1CT

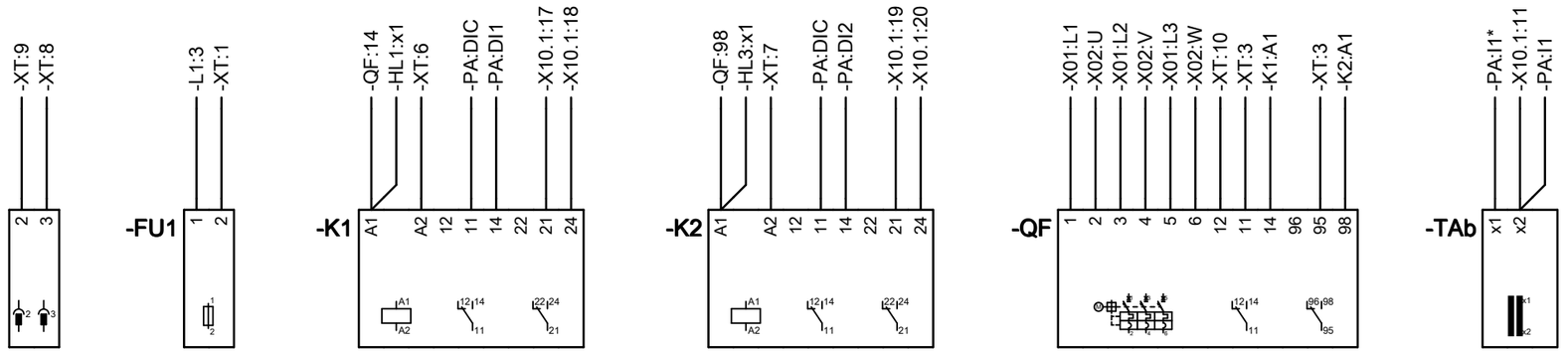
PROJECT NAME: 中乌天然气管道压气站UCS3

SCALE | = W_MODULE | SHEET 3
+ FD_3P_1CT | TOTAL 7

A3 | DRAWING NO. 1TNR003373D3005 | REV. B

设备连接图/Device Connection Diagram

抽屉内部接线图

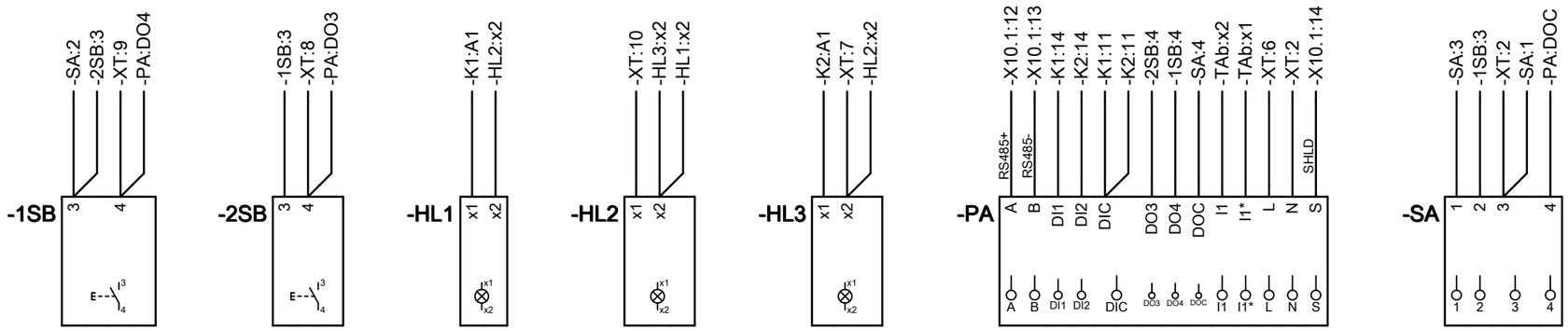


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_1CT	SCALE	= W_MODULE / + FD_3P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 4 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3005 / REV. B
		DATE						

设备连接图/Device Connection Diagram

抽屉门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_1CT	SCALE	= W_MODULE / + FD_3P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 5 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3005 / REV. B
		DATE						

端子图表/Terminal Diagram

-XT

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU1:2		1	●			/2.2:A
-SA:3		2	●		-PA:N	/2.4:A
-QF:95		3	●		-QF:11	/2.7:A
		4	-			/2.7:A
		5	●		-X10.1:10	/2.2:E
-K1:A2		6	●		-PA:L	/2.5:E
-K2:A2		7	●		-HL3:x2	/2.8:E
-QF-XA8:3		8	-		-2SB:4	/2.2:C
-QF-XA8:2		9	-		-1SB:4	/2.3:C
-QF:12		10	-		-HL2:x1	/2.7:C

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_1CT	SCALE	= W_MODULE / + FD_3P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 6 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3005 / REV. B
		DATE						

插头图表/Plug Diagram

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X01	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:1		L1	/1.3:B		-L1:1
-QF:3		L2	/1.3:B		-L2:1
-QF:5		L3	/1.3:B		-L3:1

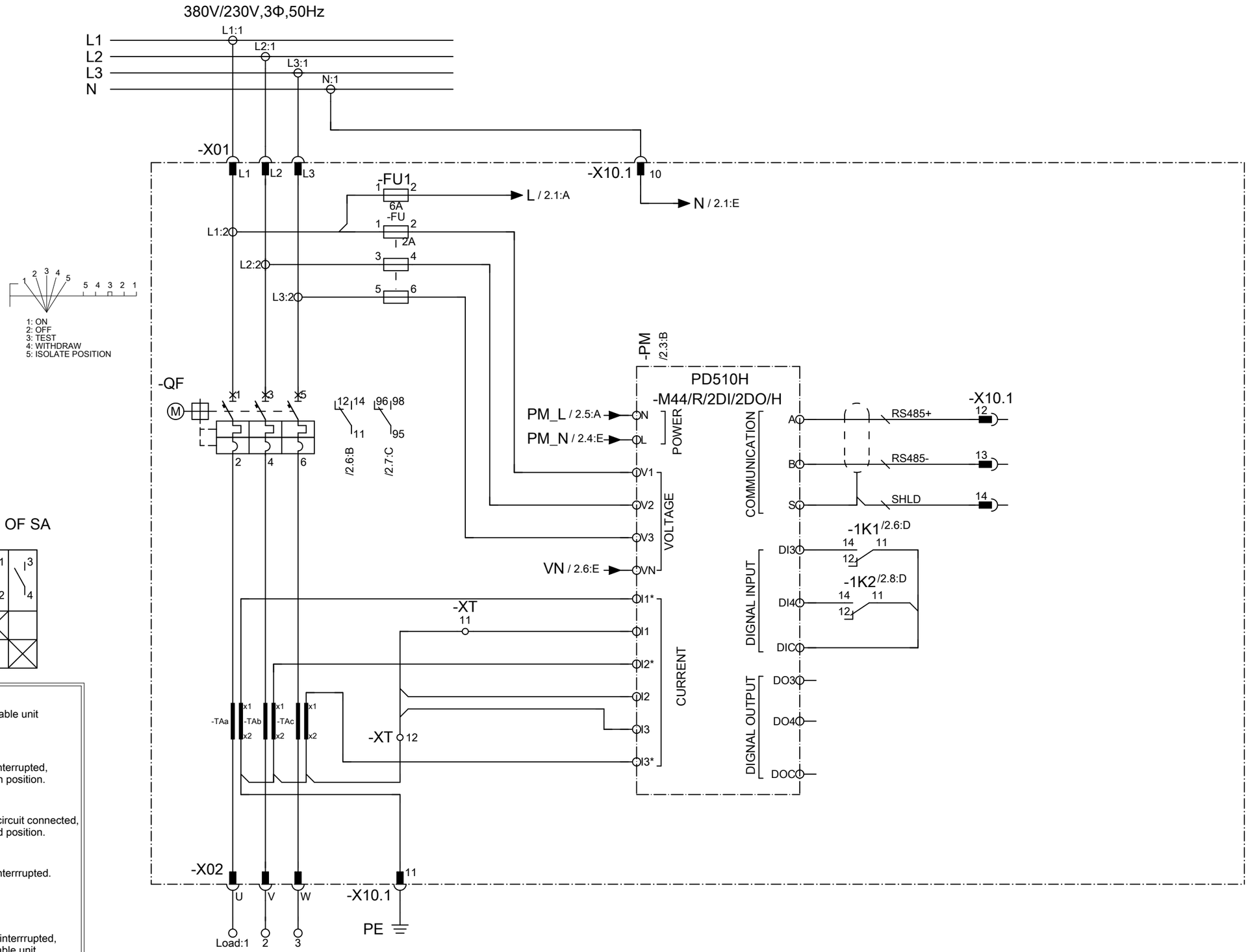
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X02	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:2		U	/1.3:F		-Load:1
-QF:4		V	/1.3:F		-Load:2
-QF:6		W	/1.3:F		-Load:3

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X10.1	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-XT:5		10	/1.4:B		-N:1
-TAb:x2		11	/1.4:F		-PE
-PA:A	RS485+	12	/1.6:C		
-PA:B	RS485-	13	/1.6:C		
-PA:S	SHLD	14	/1.6:D		
		15	/2.8:B		
		16	/2.8:B		
-K1:21		17	/2.8:C		
-K1:24		18	/2.8:C		
-K2:21		19	/2.8:C		
-K2:24		20	/2.8:C		
		21	/2.8:C		
		22	/2.8:C		
		23	/2.8:D		
		24	/2.8:D		
		25	/2.8:D		
		26	/2.8:D		
		27	/2.8:D		
		28	/2.8:D		
		29	/2.8:D		

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_1CT	SCALE = W_MODULE	SHEET 7
REV.	DESCRIPTION	CHECKED					+ FD_3P_1CT	TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3005 REV. B
		DATE						

SINGLE LINE DIAGRAM & METERING CIRCUIT



CONTACT TABLE OF SA

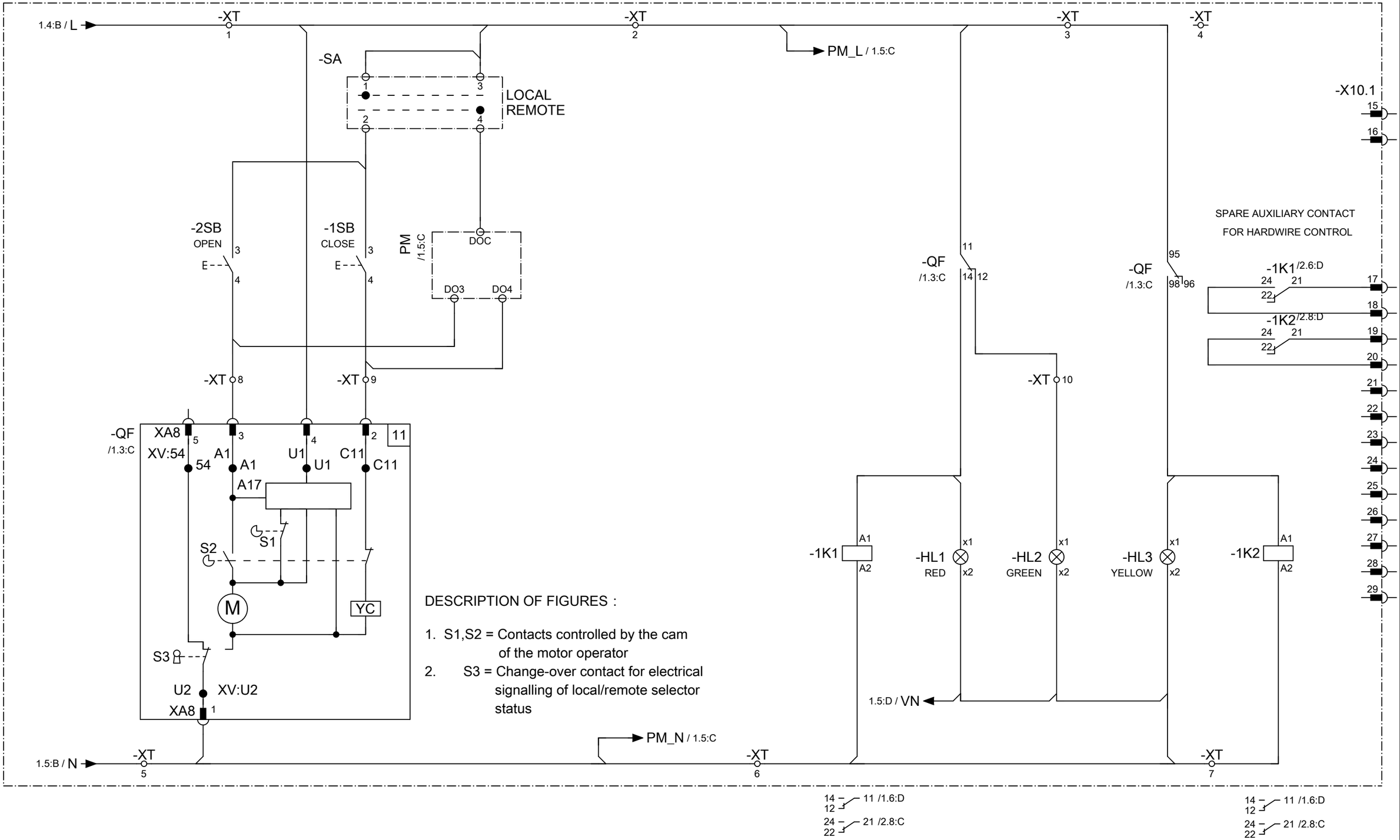
TERMINAL / POSITION	1-2	3-4
LOCAL	X	
REMOTE		X

1. I = Operating position, main switch ON, withdrawable unit locked in position.
2. ◯ = Main switch OFF, power and control circuit interrupted, withdrawable unit locked in position.
3. = Test position, main switch OFF, control circuit connected, withdrawable unit in locked position.
4. = Withdrawable position, power and control circuit interrrupted.
5. = Isolating position, unit withdrawn by 30mm, power and control circuits interrrupted, isolated and the withdrawable unit mechanically interlocked in position.

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REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM	FUNCTION	Tmax_Feeder_3P_MOE_3CT
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO.	PM003373	PROJECT NAME	中乌天然气管道压气站UCS3
		APPROVED		XIAMEN L.V. EQUIPMENT CO.LTD.		SCALE	= W_MODULE + FD_3P_3CT
		DATE				SHEET	1
						TOTAL	7
						A3	DRAWING NO. 1TNR003373D3006
							REV. B

230V AC SUPPLY	PLC CONTROL	LOCAL CONTROL	REMOTE CONTROL	CONTACT ADDED	INDICATION			AUXILIARY CONTACT
					ON	OFF	FAULT	



DESCRIPTION OF FIGURES :

1. S1,S2 = Contacts controlled by the cam of the motor operator
2. S3 = Change-over contact for electrical signalling of local/remote selector status

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REV.	DESCRIPTION	DRAWN		TITLE			FUNCTION		SCALE		SHEET
		CHECKED		SCHEMATIC DIAGRAM			Tmax_Feeder_3P_MOE_3CT			= W_MODULE	2
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.			PROJECT NAME			+ FD_3P_3CT	TOTAL 7
		DATE		PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.		中乌天然气管道压气站UCS3		A3	DRAWING NO. 1TNR003373D3006	REV. B

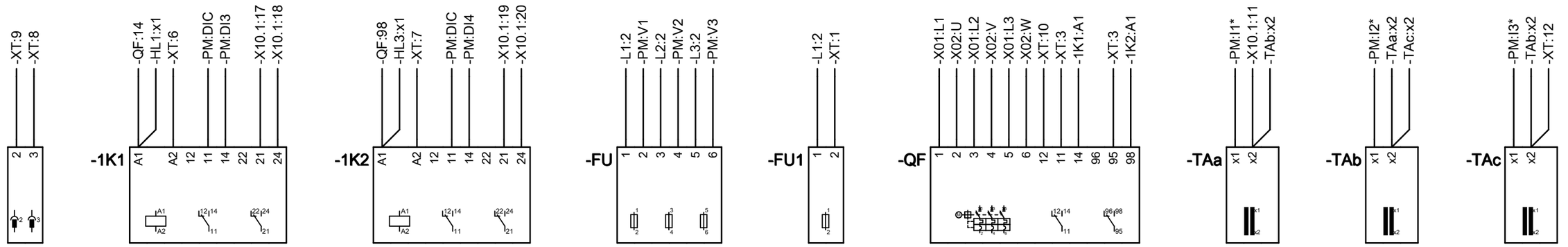
部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1K1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+FD_3P_3CT/2.6:D
-1K2	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+FD_3P_3CT/2.8:D
-1SB	Push Button	M P1-10G,Green	ABB	1	1SFA611100R1002	=W_MODULE+FD_3P_3CT/2.3:C
-1SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+FD_3P_3CT/2.3:C
-1SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+FD_3P_3CT/2.3:C
-2SB	Push Button	M P1-10R,Red	ABB	1	1SFA611100R1001	=W_MODULE+FD_3P_3CT/2.2:C
-2SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+FD_3P_3CT/2.2:C
-2SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+FD_3P_3CT/2.2:C
-FU	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	3	1TNR030100020R1	=W_MODULE+FD_3P_3CT/1.4:B
-FU	Fuse Holder	E93/32,FUSE HOLDER	ABB	1	2CSM204753R1801	=W_MODULE+FD_3P_3CT/1.4:B
-FU1	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=W_MODULE+FD_3P_3CT/1.4:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=W_MODULE+FD_3P_3CT/1.4:B
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=W_MODULE+FD_3P_3CT/2.6:D
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=W_MODULE+FD_3P_3CT/2.7:D
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=W_MODULE+FD_3P_3CT/2.7:D
-PM		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_3CT/1.5:C
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_3CT/1.3:C
-SA	Select Switch	OC25G04PNGN00S001I(LW39-16C-9GA-22/2)	ABB	1	1SCA127538R1001	=W_MODULE+FD_3P_3CT/2.3:A
-SA	Select Switch Panel	Panel,for OC25 9GA,LOCAL-REMOTE	ABB	1	1TNR105001R1346	=W_MODULE+FD_3P_3CT/2.3:A
-TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_3CT/1.3:E
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_3CT/1.3:E
-TAc		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_3P_3CT/1.3:E

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Tmax_Feeder_3P_MOE_3CT	SCALE	= W_MODULE	SHEET 3
			CHECKED						+ FD_3P_3CT	TOTAL 7
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3006	REV. B
			DATE							

设备连接图/Device Connection Diagram 抽屉内部接线图

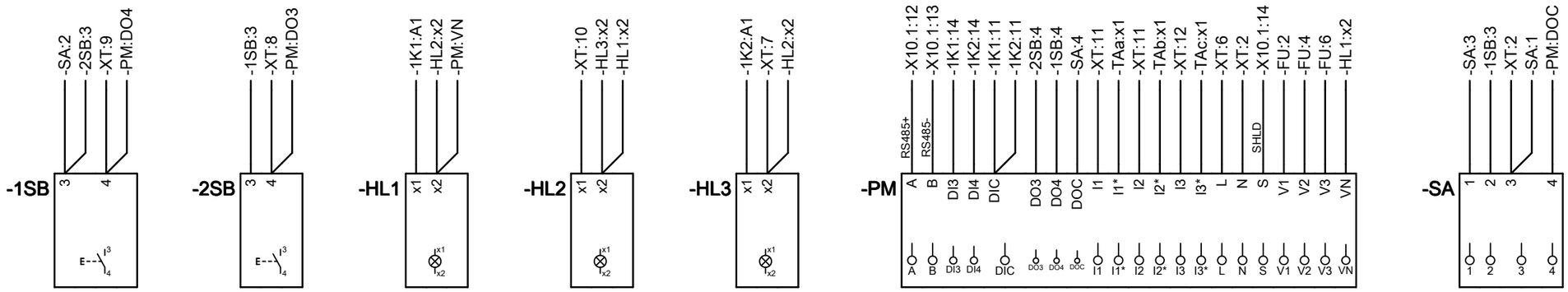


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_3CT	SCALE	= W_MODULE / + FD_3P_3CT
REV.	DESCRIPTION	CHECKED						SHEET 4 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3006 / REV. B
		DATE						

设备连接图/Device Connection Diagram

抽屉门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_3CT	SCALE	= W_MODULE / + FD_3P_3CT
REV.	DESCRIPTION	CHECKED						SHEET 5 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3006 / REV. B
		DATE						

端子图表/Terminal Diagram

-XT

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU1:2		1	●			/2.2:A
-PM:N		2	●		-SA:3	/2.4:A
-QF:95		3	●		-QF:11	/2.7:A
		4	-			/2.7:A
		5	●		-X10.1:10	/2.2:E
-1K1:A2		6	●		-PM:L	/2.5:E
-1K2:A2		7	●		-HL3:x2	/2.7:E
-QF-XA8:3		8	-		-2SB:4	/2.2:C
-QF-XA8:2		9	-		-1SB:4	/2.3:C
-QF:12		10	-		-HL2:x1	/2.7:C
-PM:I2		11	●		-PM:I1	/1.4:D
-TAc:x2		12	●		-PM:I3	/1.4:E

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		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Tmax_Feeder_3P_MOE_3CT	SCALE	= W_MODULE / + FD_3P_3CT
REV.	DESCRIPTION	CHECKED						SHEET 6 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3006 / REV. B
		DATE						

插头图表/Plug Diagram

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X01	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:1		L1	/1.3:B		-L1:1
-QF:3		L2	/1.3:B		-L2:1
-QF:5		L3	/1.3:B		-L3:1

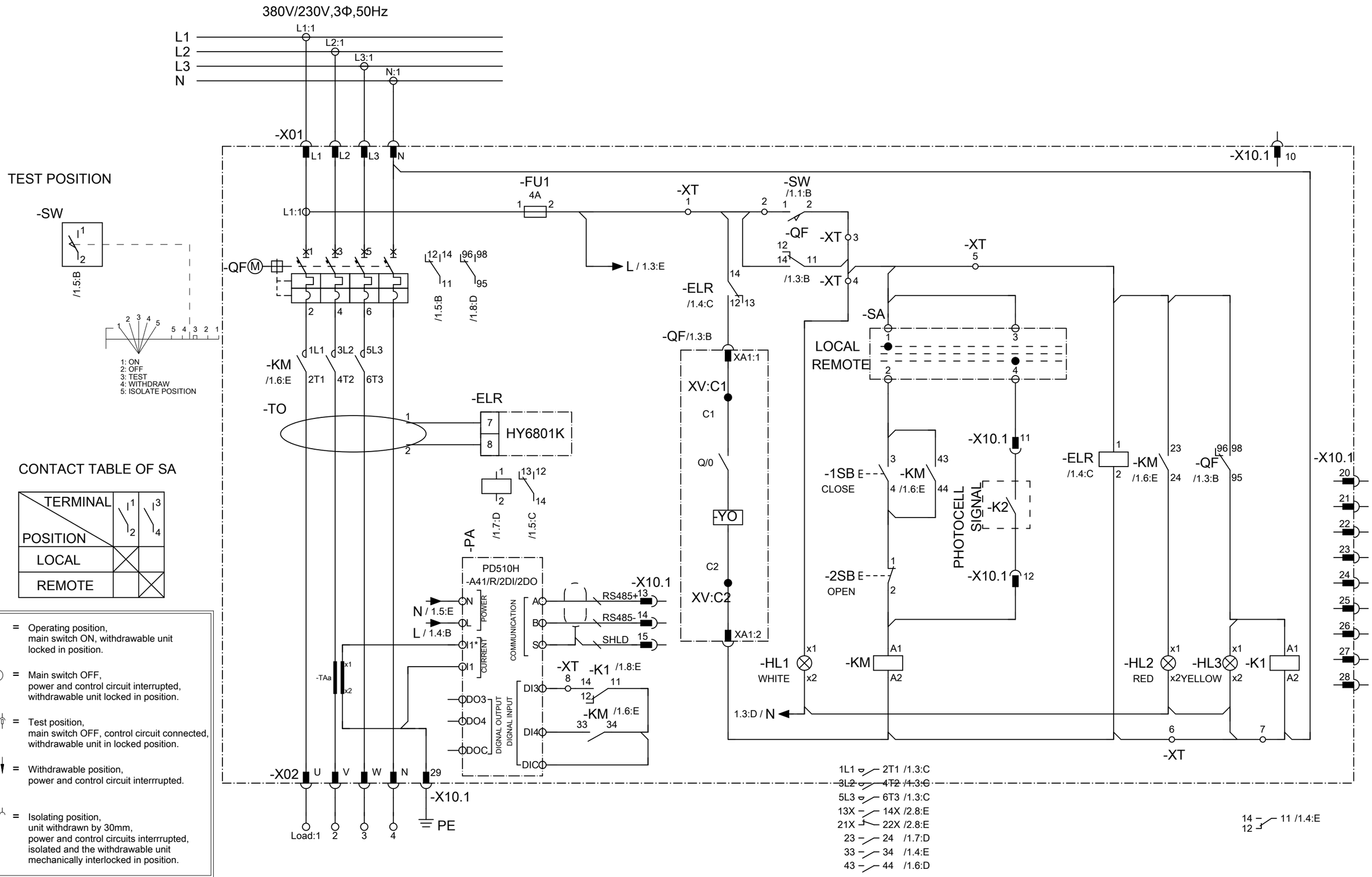
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X02	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:2		U	/1.3:F		-Load:1
-QF:4		V	/1.3:F		-Load:2
-QF:6		W	/1.3:F		-Load:3

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X10.1	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-XT:5		10	/1.5:B		-N:1
-TAa:x2		11	/1.4:F		-PE
-PM:A	RS485+	12	/1.7:C		
-PM:B	RS485-	13	/1.7:C		
-PM:S	SHLD	14	/1.7:D		
		15	/2.8:B		
		16	/2.8:B		
-1K1:21		17	/2.8:C		
-1K1:24		18	/2.8:C		
-1K2:21		19	/2.8:C		
-1K2:24		20	/2.8:C		
		21	/2.8:C		
		22	/2.8:C		
		23	/2.8:D		
		24	/2.8:D		
		25	/2.8:D		
		26	/2.8:D		
		27	/2.8:D		
		28	/2.8:D		
		29	/2.8:D		

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_3CT	SCALE = W_MODULE	SHEET 7
REV.	DESCRIPTION	CHECKED					+ FD_3P_3CT	TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3006 REV. B
		DATE						

SINGLE LINE DIAGRAM	230V AC SUPPLY	EARTH LEAKAGE PROTECTION	POWER INDICATION	START/STOP	PHOTOSENSITIVE RELAY CONTROL	RUNNING INDICATION	FAULT INDICATION	SPARE TERMINAL



CONTACT TABLE OF SA

TERMINAL / POSITION	1 2	3 4
LOCAL	X	
REMOTE		X

1. I = Operating position, main switch ON, withdrawable unit locked in position.
2. ◯ = Main switch OFF, power and control circuit interrupted, withdrawable unit locked in position.
3. = Test position, main switch OFF, control circuit connected, withdrawable unit in locked position.
4. = Withdrawable position, power and control circuit interrrupted.
5. = Isolating position, unit withdrawn by 30mm, power and control circuits interrrupted, isolated and the withdrawable unit mechanically interlocked in position.

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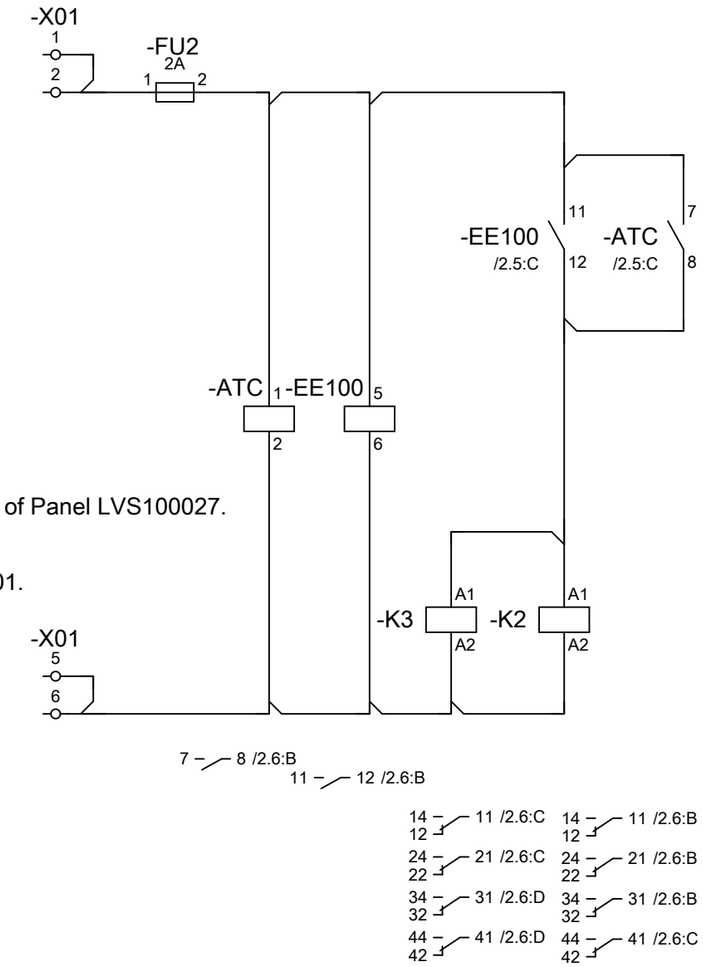
REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION	Contactor Feeder with Photosensor	SCALE	= W_MODULE	SHEET 1
		CHECKED									+ CF with Photosensor	ATOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373			PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3007A	REV. B
		DATE										

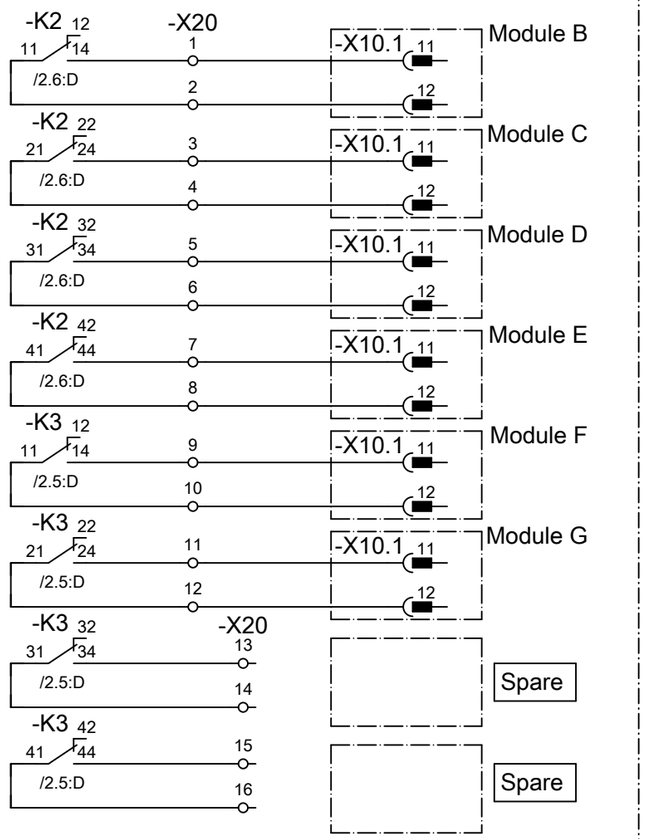
POWER FOR PHOTOSENSITIVE & TIMER RELAY	PHOTOSENSITIVE & TIMER CONTROL SIGNAL EXTEND

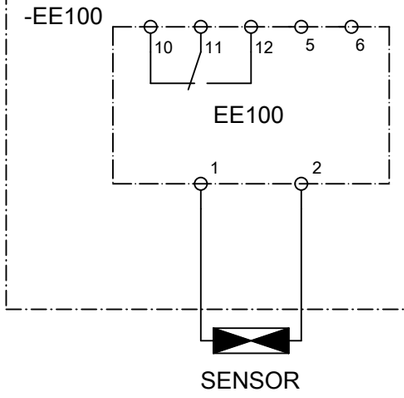
Panel LVS100027

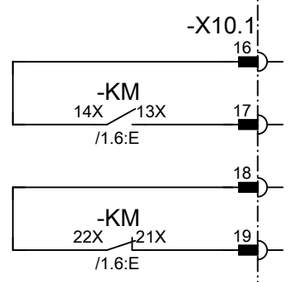
NOTE :

1. Maximum distance between sensor and photosensitive control switch: 50m.
2. Wiring cable size
   For photosensitive control switch: 0.5-4mm2;
   For sensor: 0.75-2.5mm2.
3. -FU2.-K2.K3.EE100.ATC.-X20 terminal block are installed in the top of Panel LVS100027.
4. The sensor of EE100 is installed outside in site.
5. The Power Supply obtained from the Heater Power teminal block -X01.









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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Contactor Feeder with Photosensor	SCALE = W_MODULE / + CF with Photosensor	SHEET 2 / ATOTAL 7
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3007A / REV. B
		APPROVED						
		DATE						

部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1SB	Push Button	M P1-10G,Green	ABB	1	1SFA611100R1002	=W_MODULE+CF with Photosensor_A/1.6:D
-1SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+CF with Photosensor_A/1.6:D
-1SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+CF with Photosensor_A/1.6:D
-2SB	Push Button	M P1-10R,Red	ABB	1	1SFA611100R1001	=W_MODULE+CF with Photosensor_A/1.6:D
-2SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+CF with Photosensor_A/1.6:D
-2SB	Push Button Contact	MCB-01 Contact block	ABB	1	1SFA611610R1010	=W_MODULE+CF with Photosensor_A/1.6:D
-ATC	时控装置	ATC-3000 智能天文控制器	瑞宝特	1	1TNR113001R1051	=W_MODULE+CF with Photosensor_A/2.5:C
-EE100	photosensitive switch	EE100 AV230V(with sensor)	Hager	1	1TNR060100491R1	=W_MODULE+CF with Photosensor_A/2.5:C
-ELR		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+CF with Photosensor_A/1.4:C
-FU1	Fuse	RT14-20-4A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100022R1	=W_MODULE+CF with Photosensor_A/1.4:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=W_MODULE+CF with Photosensor_A/1.4:B
-FU2	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=W_MODULE+CF with Photosensor_A/2.4:B
-FU2	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=W_MODULE+CF with Photosensor_A/2.4:B
-HL1	Pilot	CL-523W,WHITE,AC220V	ABB	1	1SFA619402R5235	=W_MODULE+CF with Photosensor_A/1.5:E
-HL2	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=W_MODULE+CF with Photosensor_A/1.7:E
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=W_MODULE+CF with Photosensor_A/1.8:E
-K1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+CF with Photosensor_A/1.8:E
-K2	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+CF with Photosensor_A/2.6:D
-K3	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+CF with Photosensor_A/2.5:D
-KM		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+CF with Photosensor_A/1.6:E
-PA		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+CF with Photosensor_A/1.3:D
-SA	Select Switch	OC25G04PNGN00S001I(LW39-16C-9GA-22/2)	ABB	1	1SCA127538R1001	=W_MODULE+CF with Photosensor_A/1.6:C
-SA	Select Switch Panel	Panel,for OC25 9GA,LOCAL-REMOTE	ABB	1	1TNR105001R1346	=W_MODULE+CF with Photosensor_A/1.6:C
-TAa		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+CF with Photosensor_A/1.3:E
-TO		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+CF with Photosensor_A/1.2:C

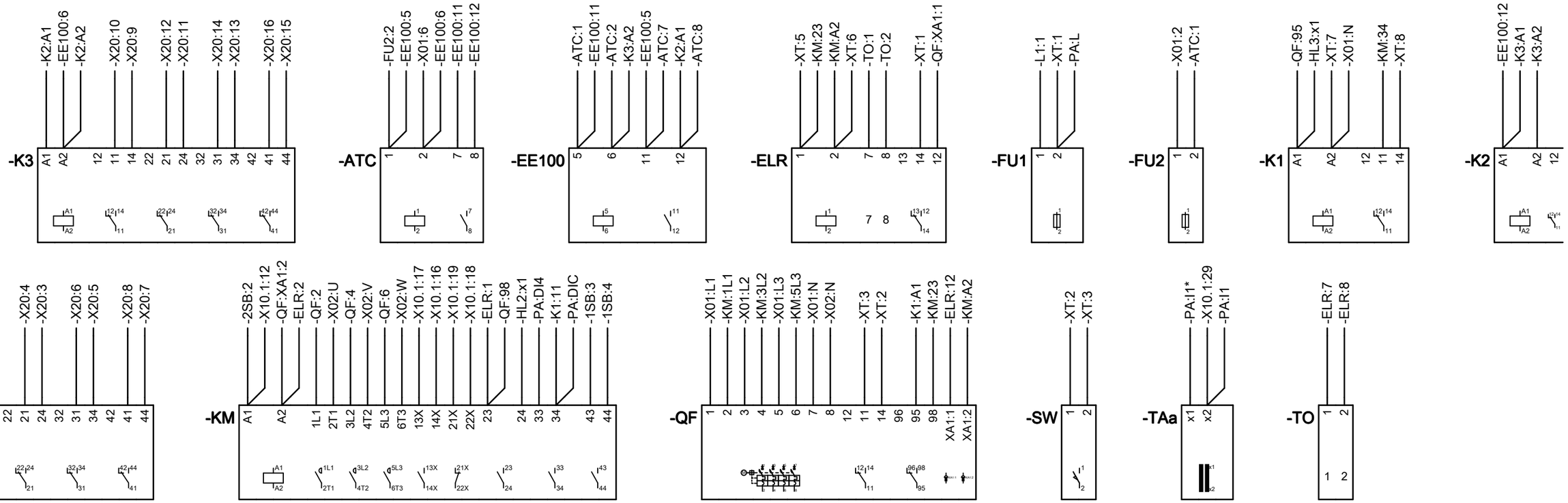
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REV.	DESCRIPTION				
CUSTOMER DRAWING NO.	REV.	DRAWN		TITLE SCHEMATIC DIAGRAM	
		CHECKED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.
		APPROVED			
		DATE			

FUNCTION	Contactor Feeder with Photosensor	SCALE	= W_MODULE	SHEET 3
			+ CF with Photosensor_A	TOTAL 7
PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3007A	REV. B

设备连接图/Device Connection Diagram

抽屉内部接线图

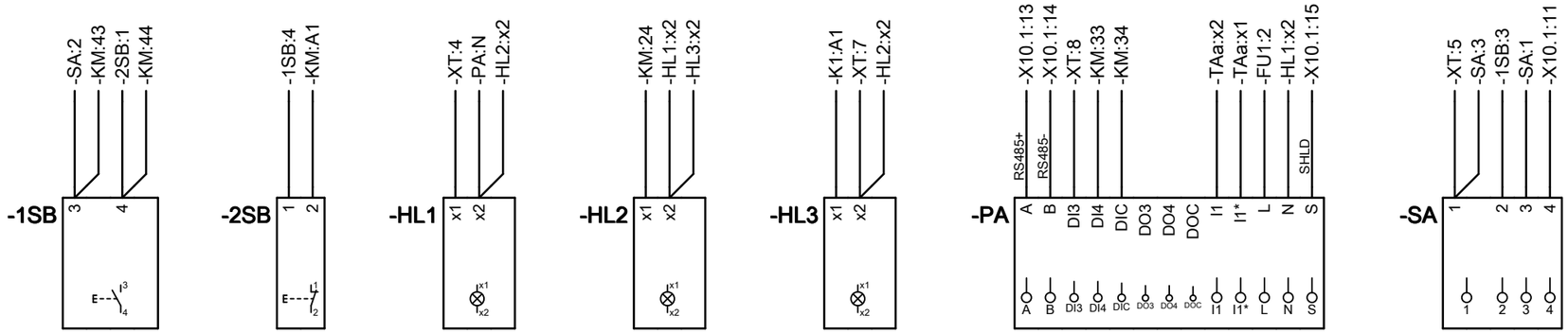


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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Contactor Feeder with Photosensor	SCALE = W_MODULE + CF with Photosensor_A	SHEET 4 TOTAL 7
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3007A REV. B
		APPROVED						
		DATE						

设备连接图/Device Connection Diagram

抽屉门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Contactor Feeder with Photosensor	SCALE = W_MODULE + CF with Photosensor_A
REV.	DESCRIPTION	CHECKED					SHEET 5 TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3 DRAWING NO. 1TNR003373D3007A REV. B
		DATE					

端子图表/Terminal Diagram

-X20

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-K2:14		1	'		-Module B-X10.1:11	/2.7:B
-K2:11		2	'		-Module B-X10.1:12	/2.7:B
-K2:24		3	'		-Module C-X10.1:11	/2.7:B
-K2:21		4	'		-Module C-X10.1:12	/2.7:B
-K2:34		5	'		-Module D-X10.1:11	/2.7:B
-K2:31		6	'		-Module D-X10.1:12	/2.7:C
-K2:44		7	'		-Module E-X10.1:11	/2.7:C
-K2:41		8	'		-Module E-X10.1:12	/2.7:C
-K3:14		9	'		-Module F-X10.1:11	/2.7:C
-K3:11		10	'		-Module F-X10.1:12	/2.7:C
-K3:24		11	'		-Module G-X10.1:11	/2.7:D
-K3:21		12	'		-Module G-X10.1:12	/2.7:D
-K3:34		13	'			/2.7:D
-K3:31		14	'			/2.7:D
-K3:44		15	'			/2.7:D
-K3:41		16	'			/2.7:D

-XT

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU1:2		1	●		-ELR:14	/1.5:B
-QF:14		2	●		-SW:1	/1.5:B
-SW:2		3	●		-QF:11	/1.6:B
		4	●		-HL1:x1	/1.6:C
-SA:1		5	●		-ELR:1	/1.6:B
-ELR:2		6	●			/1.7:E
-HL3:x2		7	●		-K1:A2	/1.8:E
-K1:14		8	'		-PA:DI3	/1.4:E

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Contactor Feeder with Photosensor	SCALE	= W_MODULE	SHEET 6
		CHECKED						+ CF with Photosensor	ATOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3007A	REV. B
		DATE							

插头图表/Plug Diagram

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X01	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:1		L1	/1.3:B		-L1:1
-QF:3		L2	/1.3:B		-L2:1
-QF:5		L3	/1.3:B		-L3:1
-QF:7;-K1:A2		N	/1.3:B		-N:1

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X02	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:8		N	/1.3:F		-Load:4
-KM:2T1		U	/1.3:F		-Load:1
-KM:4T2		V	/1.3:F		-Load:2
-KM:6T3		W	/1.3:F		-Load:3

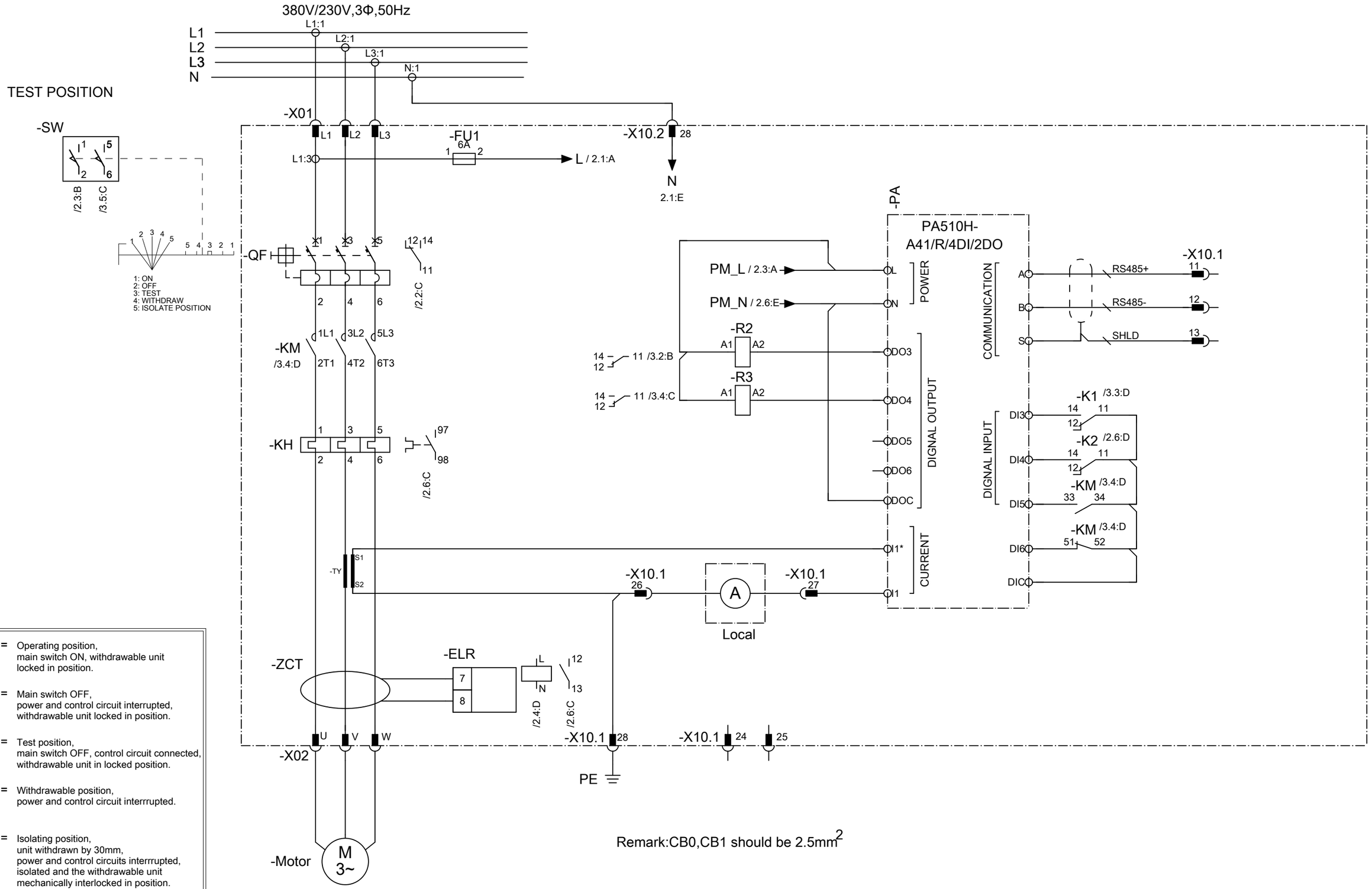
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X10.1	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
		10	/1.8:B		
-SA:4		11	/1.7:D		-PHOTOCELL SIGNAL-K2
-KM:A1		12	/1.7:D		-PHOTOCELL SIGNAL-K2
-PA:A	RS485+	13	/1.5:D		
-PA:B	RS485-	14	/1.5:E		
-PA:S	SHLD	15	/1.5:E		
-KM:14X		16	/2.8:E		
-KM:13X		17	/2.8:E		
-KM:22X		18	/2.8:E		
-KM:21X		19	/2.8:E		
		20	/1.8:D		
		21	/1.8:D		
		22	/1.8:D		
		23	/1.8:D		
		24	/1.8:D		
		25	/1.8:E		
		26	/1.8:E		
		27	/1.8:E		
		28	/1.8:E		

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. 29	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-TAa:x2			/1.3:F		-PE

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Contactor Feeder with Photosensor	SCALE = W_MODULE / + CF with Photosensor	SHEET 7 / ATOTAL 7
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3007A / REV. B
		APPROVED						
		DATE						

SINGLE LINE DIAGRAM & METERING CIRCUIT

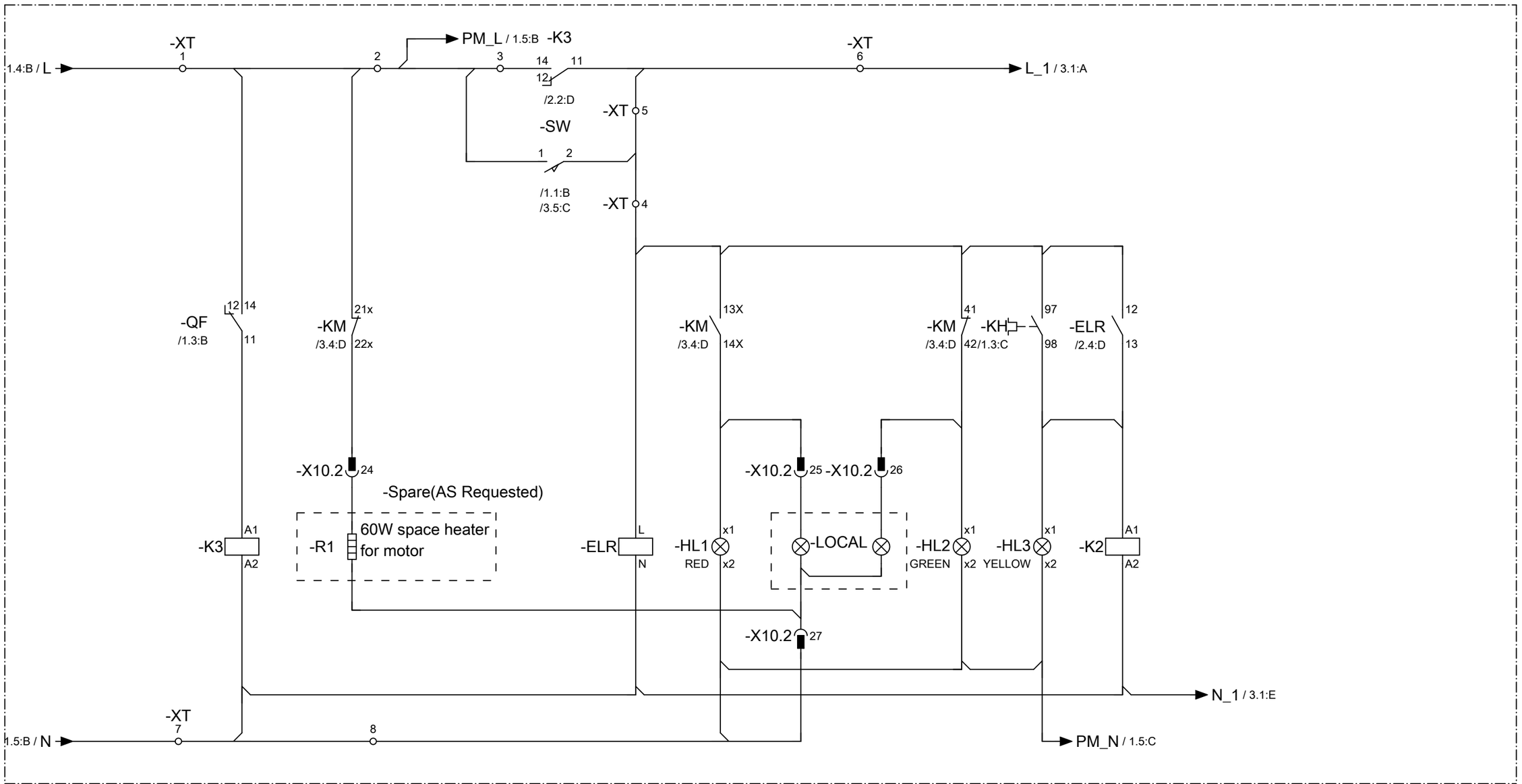


1. I = Operating position, main switch ON, withdrawable unit locked in position.
2. ◯ = Main switch OFF, power and control circuit interrupted, withdrawable unit locked in position.
3. = Test position, main switch OFF, control circuit connected, withdrawable unit in locked position.
4. = Withdrawable position, power and control circuit interrrupted.
5. = Isolating position, unit withdrawn by 30mm, power and control circuits interrrupted, isolated and the withdrawable unit mechanically interlocked in position.

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REV.	DESCRIPTION	DRAWN		TITLE		FUNCTION		SCALE	= W_MODULE	SHEET	1
		CHECKED		SCHEMATIC DIAGRAM		Motor Control		1:1	+ Motor Control	TOTAL	8
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME		A3	DRAWING NO.		REV.
		DATE		PM003373		中乌天然气管道压气站UCS3			1TNR003373D3008		B

CONTROL POWER	CONTACT ADDED	SPACE HEATER	POSITION	ELR POWER	ON INDICATION	OFF INDICATION	FAULT	



14 12 — 11 /2.3:A

24 22 — 21 /3.3:C

12 — 13 /2.6:C

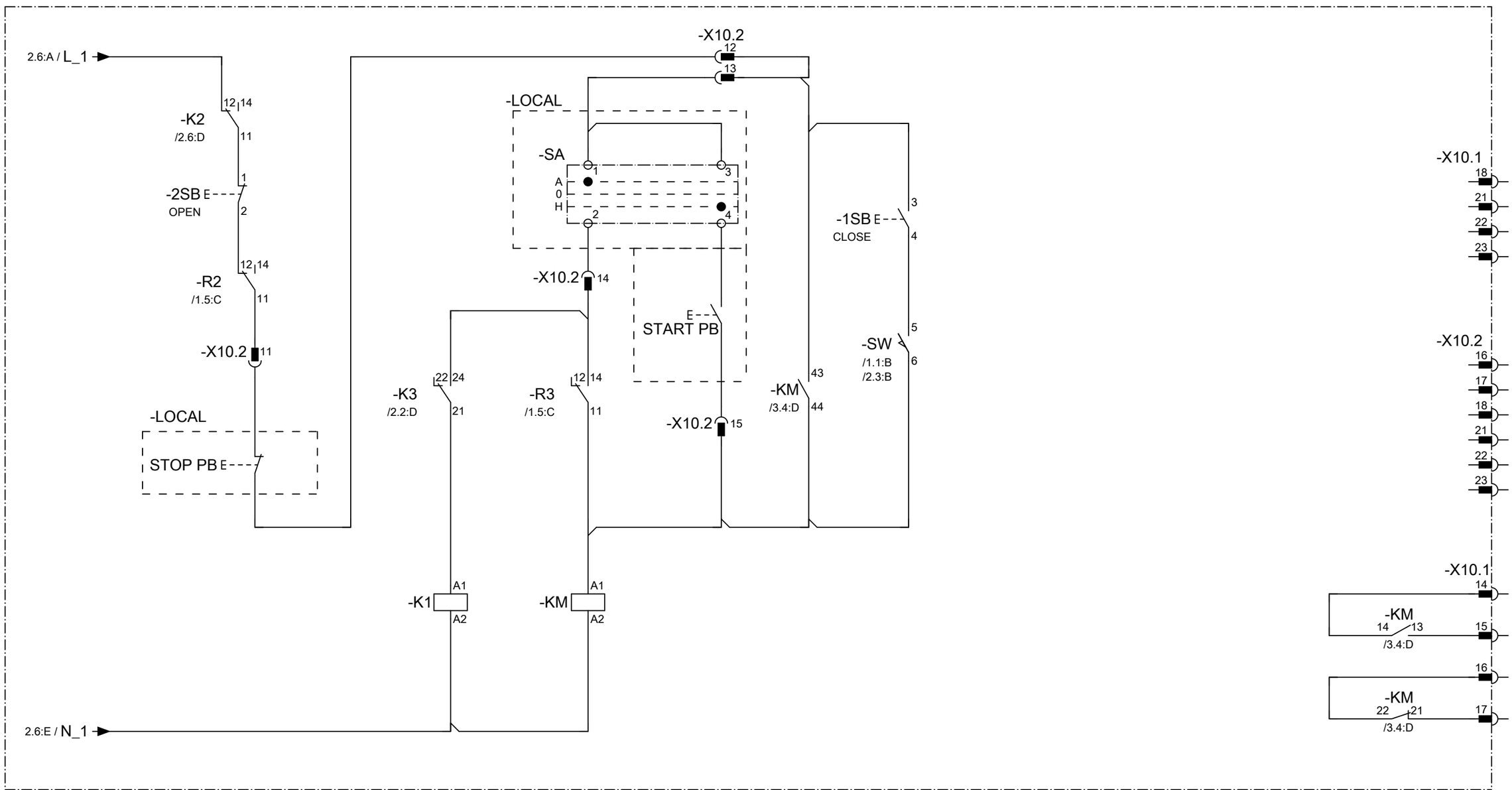
14 12 — 11 /1.7:D

14 12 — 11 /3.2:B

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		DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	Motor Control	SCALE 1:1	= W_MODULE	SHEET 2
REV.	DESCRIPTION	CHECKED								+ Motor Control	TOTAL 8
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3008	REV. B
		DATE									

1	2	3	4	5	6	7	8
CONTROL ROOM		MOTOR AVAILABLE	REMOTE CONTROL	LOCAL CONTROL	MOTOR TEST		TERMINAL (SPARE)



14 — 12 — 11 /1.7:C

1L1 — 2T1 /1.3:C
3L2 — 4T2 /1.3:C
5L3 — 6T3 /1.3:C
13 — 14 /3.8:D
13X — 14X /2.4:C
21 — 22 /3.8:E
21x — 22x /2.2:C
33 — 34 /1.7:D
41 — 42 /2.5:C
43 — 44 /3.5:C
51 — 52 /1.7:D

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REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	Motor Control	SCALE	= W_MODULE	SHEET	3
		CHECKED							1:1	+ Motor Control	TOTAL	8
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO.		REV.
		DATE								1TNR003373D3008		B

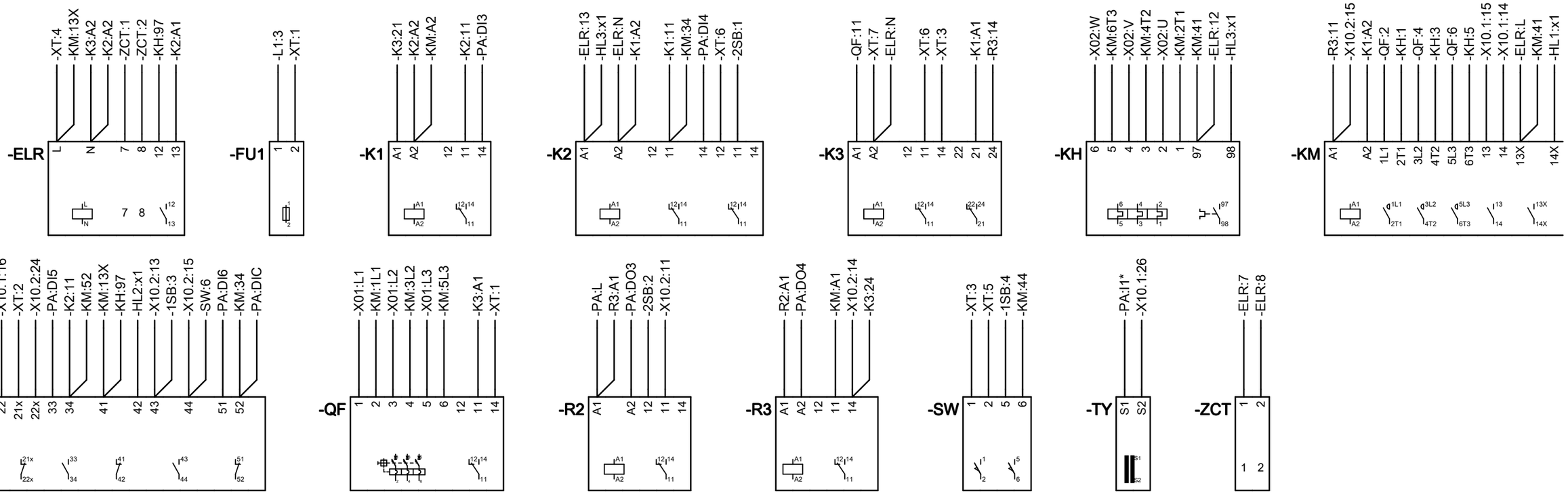
部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1SB	Push Button	M P1-10G,Green	ABB	1	1SFA611100R1002	=W_MODULE+Motor Control/3.5:B
-1SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+Motor Control/3.5:B
-1SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+Motor Control/3.5:B
-2SB	Push Button	M P1-10R,Red	ABB	1	1SFA611100R1001	=W_MODULE+Motor Control/3.2:B
-2SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+Motor Control/3.2:B
-2SB	Push Button Contact	MCB-01 Contact block	ABB	1	1SFA611610R1010	=W_MODULE+Motor Control/3.2:B
-ELR		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+Motor Control/2.4:D
-FU1	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=W_MODULE+Motor Control/1.3:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=W_MODULE+Motor Control/1.3:B
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=W_MODULE+Motor Control/2.4:D
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=W_MODULE+Motor Control/2.5:D
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=W_MODULE+Motor Control/2.6:D
-K1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+Motor Control/3.3:D
-K2	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+Motor Control/2.6:D
-K3	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+Motor Control/2.2:D
-KH		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+Motor Control/1.3:C
-KM		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+Motor Control/3.4:D
-PA		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+Motor Control/1.6:B
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+Motor Control/1.3:B
-R2	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+Motor Control/1.5:C
-R3	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+Motor Control/1.5:C
-TY		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+Motor Control/1.3:D
-ZCT		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+Motor Control/1.3:E

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Motor Control	SCALE 1:1	= W_MODULE + Motor Control	SHEET 4 TOTAL 8
CUSTOMER DRAWING NO.		REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3008	REV. B
			APPROVED							
			DATE							

设备连接图/Device Connection Diagram 抽屉内部接线图

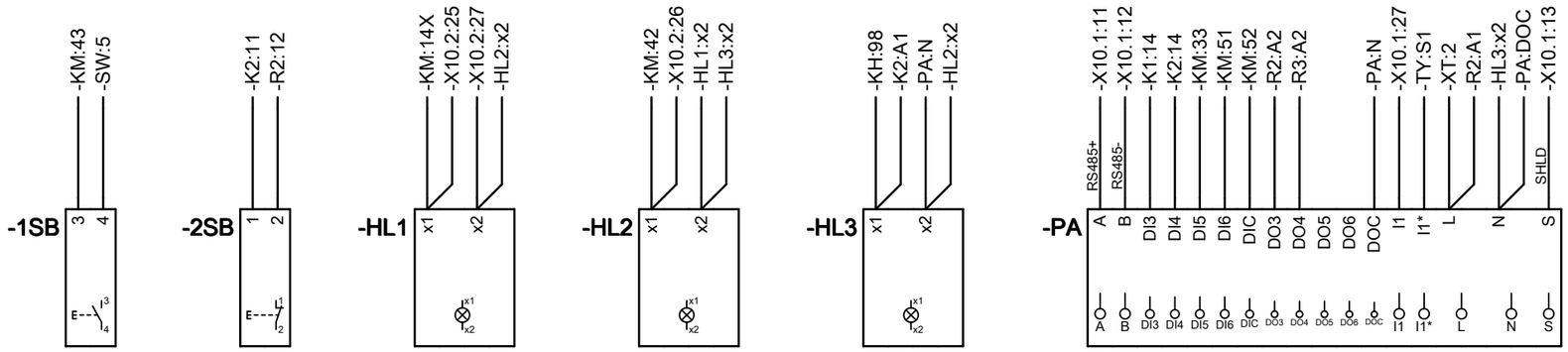


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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Motor Control	SCALE 1:1	= W_MODULE + Motor Control
CUSTOMER DRAWING NO.	REV.	CHECKED						SHEET 5 TOTAL 8
		APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3008
		DATE						REV. B

设备连接图/Device Connection Diagram

抽屉门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Motor Control	SCALE 1:1	= W_MODULE + Motor Control
REV.	DESCRIPTION	CHECKED						SHEET 6 TOTAL 8
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3008
		DATE						REV. B

端子图表/Terminal Diagram

-XT

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU1:2		1	●		-QF:14	/2.2:A
-KM:21x		2	●		-PA:L	/2.3:A
-SW:1		3	●		-K3:14	/2.3:A
		4	●		-ELR:L	/2.4:B
		5	●		-SW:2	/2.4:B
-K3:11		6	●		-K2:12	/2.5:A
-X10.2:28		7	●		-K3:A2	/2.2:E
		8	●		-X10.2:27	/2.3:E

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REV.	DESCRIPTION				
		DRAWN		TITLE	SCHEMATIC DIAGRAM
		CHECKED			
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373
		DATE			

XIAMEN L.V. EQUIPMENT CO.LTD.

FUNCTION	Motor Control	SCALE 1:1	= W_MODULE + Motor Control
PROJECT NAME	中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3008

SHEET 7 TOTAL 8

REV. B

插头图表/Plug Diagram

-X01

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No.	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:1		L1	/1.3:B		-L1:1
-QF:3		L2	/1.3:B		-L2:1
-QF:5		L3	/1.3:B		-L3:1

-X02

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No.	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-KH:2		U	/1.3:E		-Motor
-KH:4		V	/1.3:E		-Motor
-KH:6		W	/1.3:E		-Motor

-X10.1

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No.	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-PA:A	RS485+	11	/1.7:B		
-PA:B	RS485-	12	/1.7:C		
-PA:S	SHLD	13	/1.7:C		
-KM:14		14	/3.8:D		
-KM:13		15	/3.8:D		
-KM:22		16	/3.8:E		
-KM:21		17	/3.8:E		
		18	/3.8:B		
		21	/3.8:B		
		22	/3.8:B		
		23	/3.8:B		
		24	/1.5:E		
		25	/1.5:E		
-TY:S2;-X10.1:28		26	/1.4:D		
-PA:I1		27	/1.5:D		
-X10.1:26		28	/1.4:E		-PE

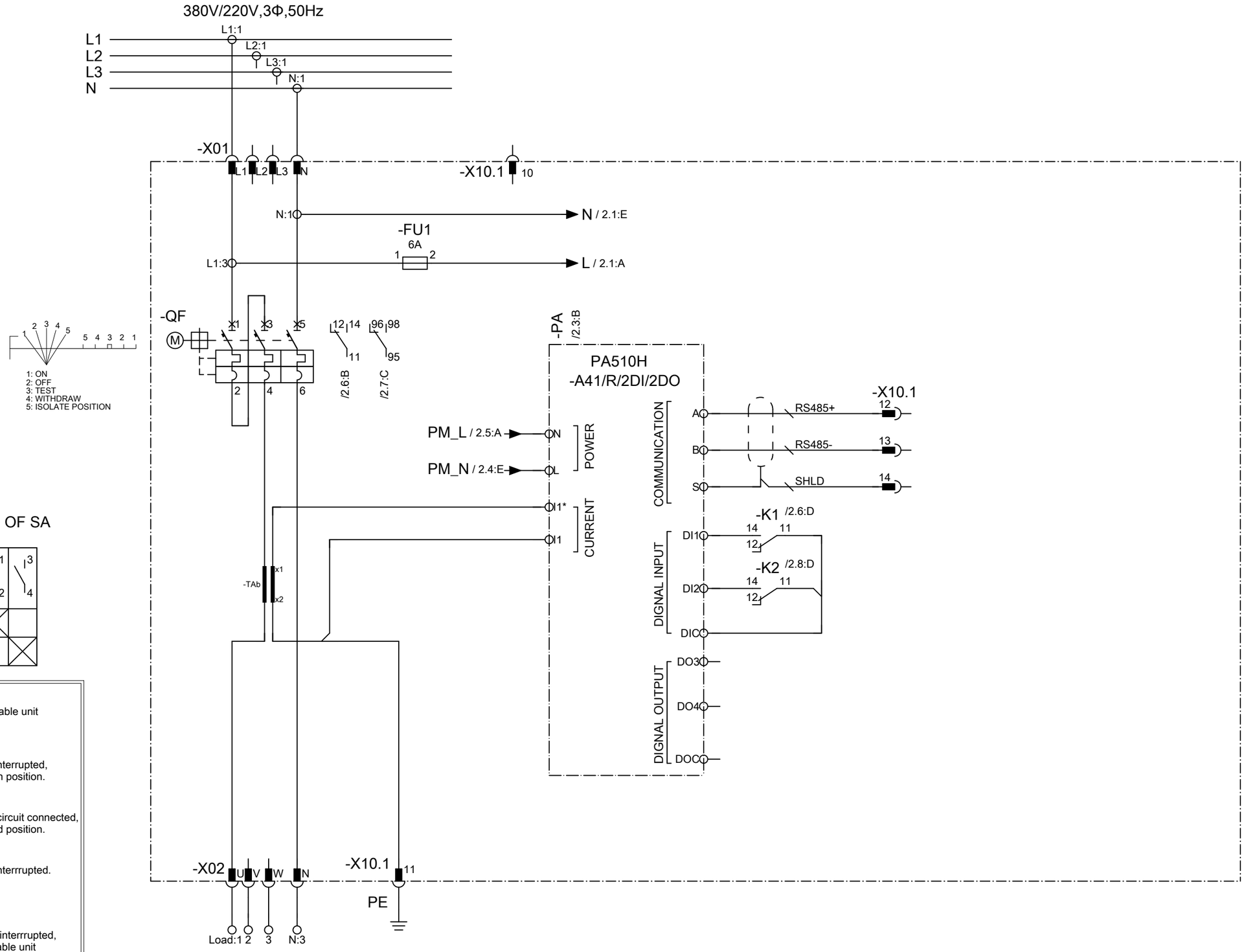
-X10.2

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No.	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-R2:11		11	/3.2:C		-LOCAL-STOP PB
-X10.2:13		12	/3.4:A		-LOCAL-STOP PB
-X10.2:12;-KM:43		13	/3.4:A		-LOCAL-SA:1
-R3:14		14	/3.4:B		-LOCAL-SA:2
-KM:A1;-KM:44		15	/3.4:C		-LOCAL-START PB
		16	/3.8:C		
		17	/3.8:C		
		18	/3.8:C		
		21	/3.8:C		
		22	/3.8:C		
		23	/3.8:D		
-KM:22x		24	/2.2:D		-Spare(AS Requested)-R1
-HL1:x1		25	/2.5:D		-LOCAL
-HL2:x1		26	/2.5:D		-LOCAL
-XT:8;-HL1:x2		27	/2.5:D		-LOCAL;-Spare(AS Requested)-R1
-XT:7		28	/1.5:B		-N:1

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Motor Control	SCALE 1:1	= W_MODULE + Motor Control
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3008
		APPROVED						REV. B
		DATE						SHEET 8 TOTAL 8

SINGLE LINE DIAGRAM & METERING CIRCUIT



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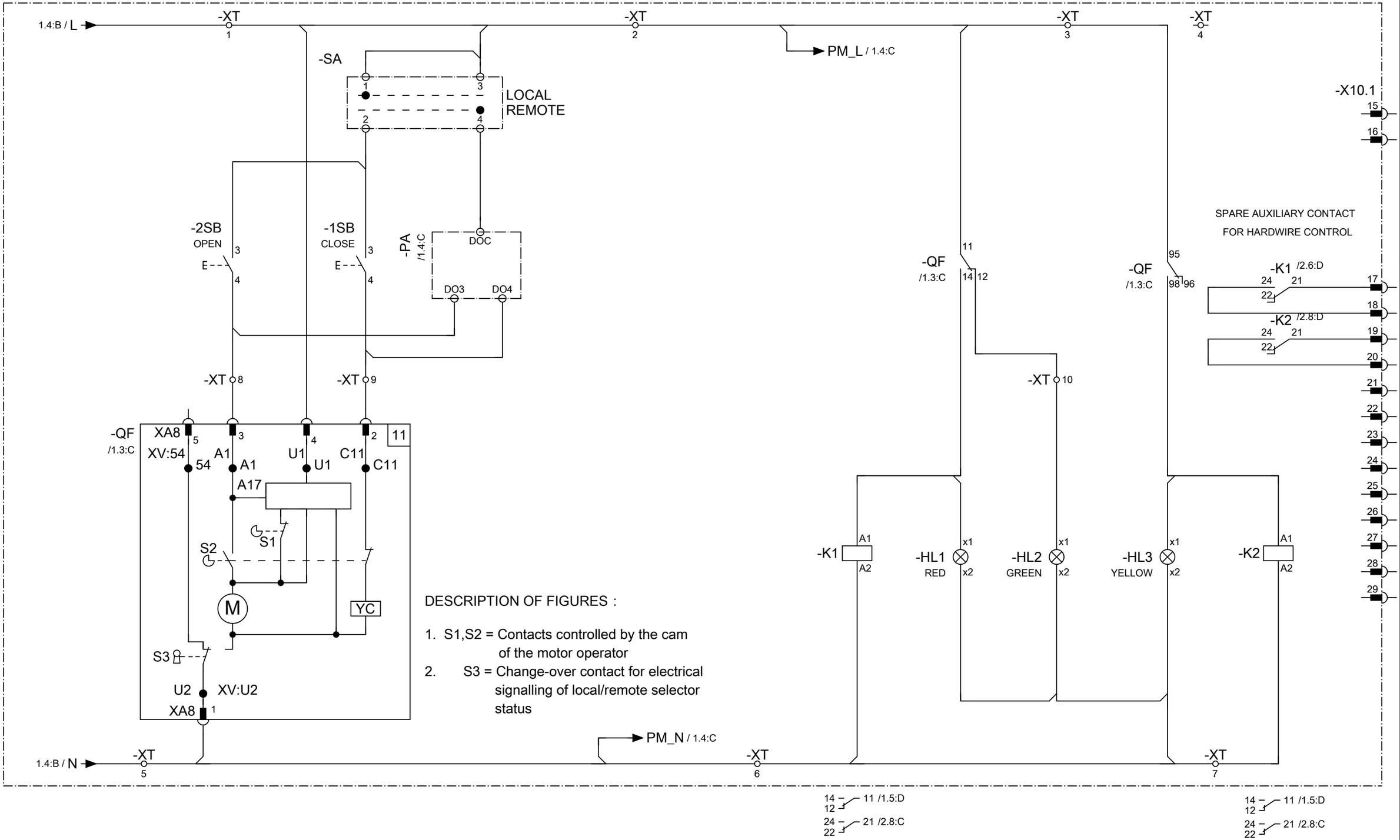
CONTACT TABLE OF SA

TERMINAL / POSITION	1 2	3 4
LOCAL	X	
REMOTE		X

1. I = Operating position, main switch ON, withdrawable unit locked in position.
2. ◯ = Main switch OFF, power and control circuit interrupted, withdrawable unit locked in position.
3. = Test position, main switch OFF, control circuit connected, withdrawable unit in locked position.
4. = Withdrawable position, power and control circuit interrrupted.
5. = Isolating position, unit withdrawn by 30mm, power and control circuits interrrupted, isolated and the withdrawable unit mechanically interlocked in position.

REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_1P_MOE_1CT	SCALE 1:1 / = W_MODULE / + FD_1P_1CT	SHEET 1 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	CHECKED						
		APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3009 / REV. B
		DATE						

230V AC SUPPLY	PLC CONTROL	LOCAL CONTROL	REMOTE CONTROL	CONTACT ADDED	INDICATION			AUXILIARY CONTACT
					ON	OFF	FAULT	



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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_1P_MOE_1CT	SCALE 1:1	= W_MODULE	SHEET 2
		CHECKED						+ FD_1P_1CT	TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3009	REV. B
		DATE							

部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1SB	Push Button	M P1-10G,Green	ABB	1	1SFA611100R1002	=W_MODULE+FD_1P_1CT/2.3:C
-1SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+FD_1P_1CT/2.3:C
-1SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+FD_1P_1CT/2.3:C
-2SB	Push Button	M P1-10R,Red	ABB	1	1SFA611100R1001	=W_MODULE+FD_1P_1CT/2.2:C
-2SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+FD_1P_1CT/2.2:C
-2SB	Push Button Contact	MCB-10 Contact block	ABB	1	1SFA611610R1001	=W_MODULE+FD_1P_1CT/2.2:C
-FU1	Fuse	RT14-20-6A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100023R1	=W_MODULE+FD_1P_1CT/1.4:B
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=W_MODULE+FD_1P_1CT/1.4:B
-HL1	Pilot Light	CL-523R,RED,AC230V	ABB	1	1SFA619402R5231	=W_MODULE+FD_1P_1CT/2.6:D
-HL2	Pilot Light	CL-523G,GREEN,AC230V	ABB	1	1SFA619402R5232	=W_MODULE+FD_1P_1CT/2.7:D
-HL3	Pilot Light	CL-523Y,YELLOW,AC230V	ABB	1	1SFA619402R5233	=W_MODULE+FD_1P_1CT/2.7:D
-K1	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+FD_1P_1CT/2.6:D
-K2	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=W_MODULE+FD_1P_1CT/2.8:D
-PA		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_1P_1CT/1.4:C
-QF		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_1P_1CT/1.3:C
-SA	Select Switch	OC25G04PNGN00S001I(LW39-16C-9GA-22/2)	ABB	1	1SCA127538R1001	=W_MODULE+FD_1P_1CT/2.3:A
-SA	Select Switch Panel	Panel,for OC25 9GA,LOCAL-REMOTE	ABB	1	1TNR105001R1346	=W_MODULE+FD_1P_1CT/2.3:A
-TAb		SEE SINGLE LINE DIAGRAM		1	XXX	=W_MODULE+FD_1P_1CT/1.3:D

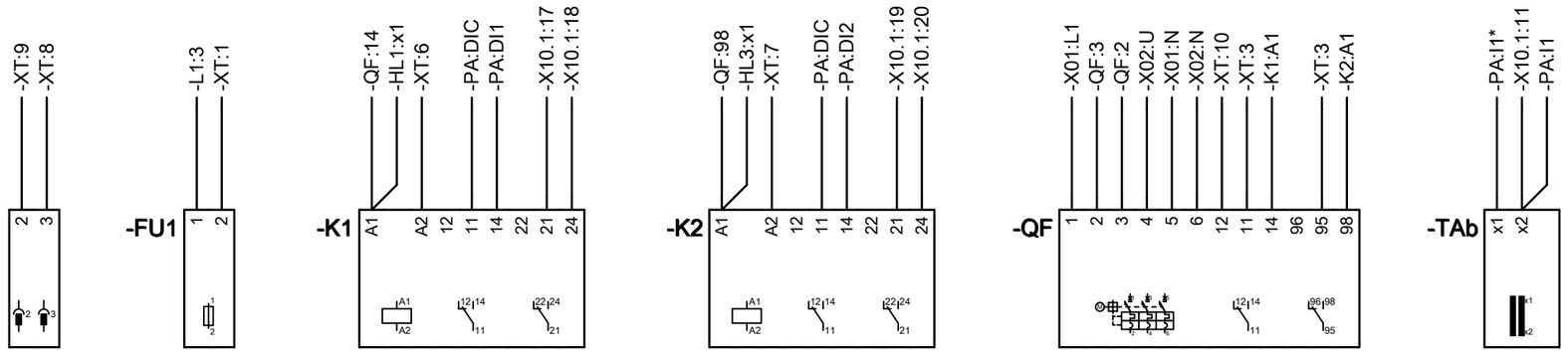
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REV.	DESCRIPTION		
		DRAWN	
		CHECKED	
CUSTOMER DRAWING NO.	REV.	APPROVED	
		DATE	

TITLE: SCHEMATIC DIAGRAM
PROJECT NO.: PM003373
XIAMEN L.V. EQUIPMENT CO.LTD.
FUNCTION: Tmax_Feeder_1P_MOE_1CT
PROJECT NAME: 中乌天然气管道压气站UCS3
SCALE: 1:1
= W_MODULE
+ FD_1P_1CT
SHEET 3
TOTAL 7
A3
DRAWING NO.: 1TNR003373D3009
REV.: B

设备连接图/Device Connection Diagram

抽屉内部接线图

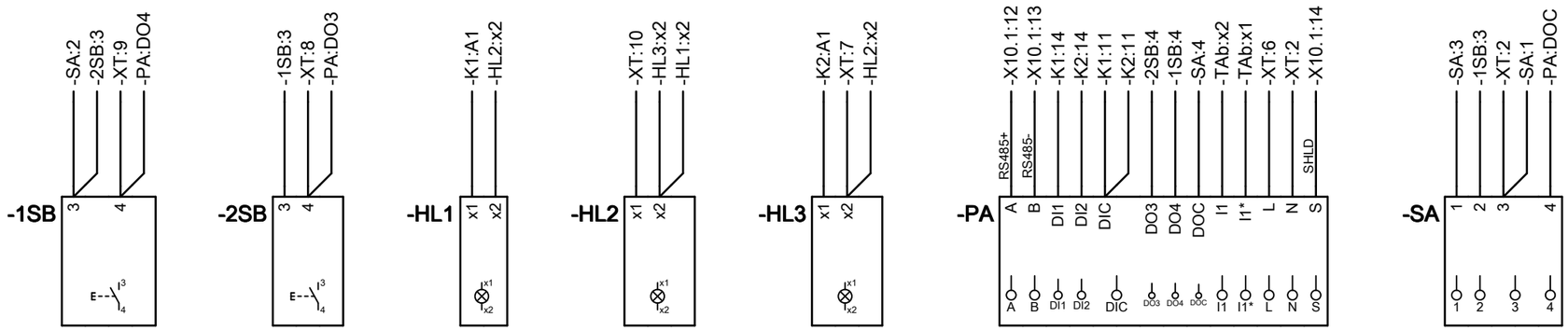


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_1P_MOE_1CT	SCALE 1:1	= W_MODULE + FD_1P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 4 TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3009
		DATE						REV. B

设备连接图/Device Connection Diagram

抽屉门板接线图



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_1P_MOE_1CT	SCALE 1:1	= W_MODULE + FD_1P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 5 TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3009
		DATE						REV. B

端子图表/Terminal Diagram

-XT

目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-FU1:2		1	●			/2.2:A
-PA:N		2	●		-SA:3	/2.4:A
-QF:95		3	●		-QF:11	/2.7:A
		4	-			/2.7:A
		5	●		-N:1	/2.2:E
-K1:A2		6	●		-PA:L	/2.5:E
-K2:A2		7	●		-HL3:x2	/2.8:E
-2SB:4		8	-		-QF-XA8:3	/2.2:C
-1SB:4		9	-		-QF-XA8:2	/2.3:C
-QF:12		10	-		-HL2:x1	/2.7:C

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_1P_MOE_1CT	SCALE 1:1	= W_MODULE + FD_1P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 6 TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D3009 / REV. B
		DATE						

插头图表/Plug Diagram

29 /2.8:D

目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X01	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:1		L1	/1.3:B		-L1:1
		L2	/1.3:B		
		L3	/1.3:B		
-QF:5		N	/1.3:B		-N:1

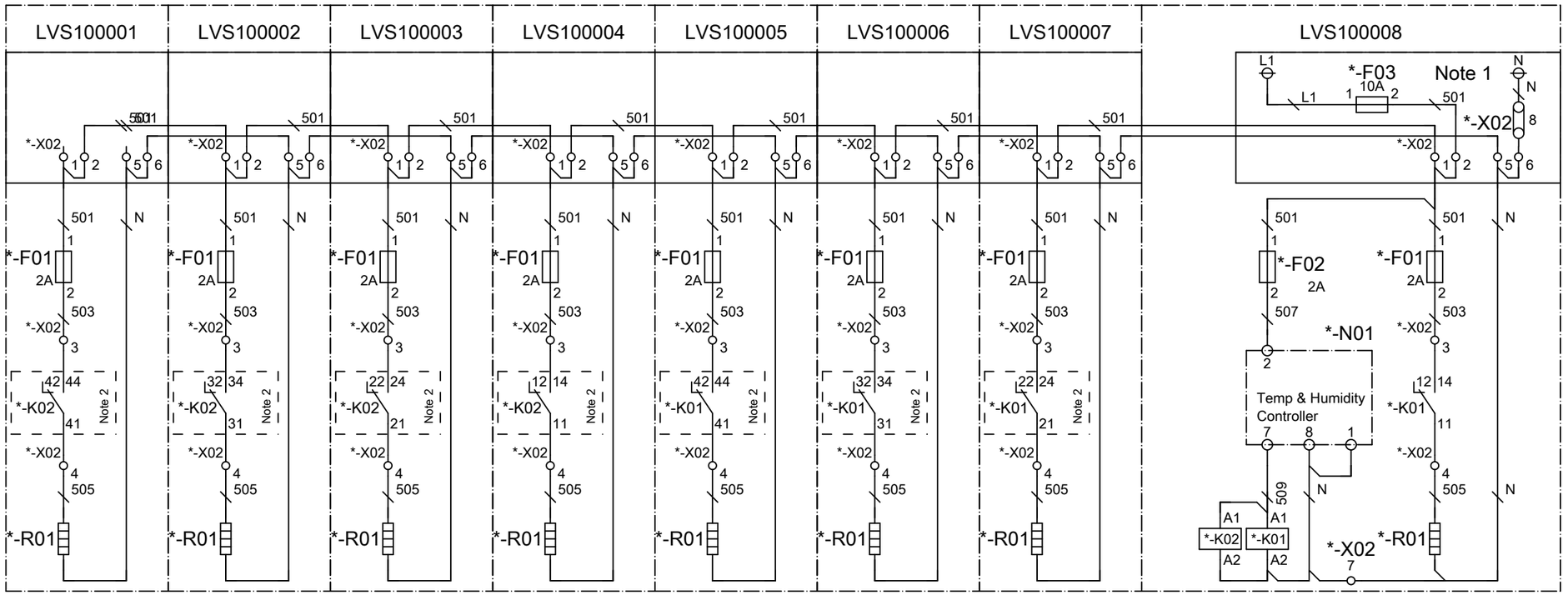
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X02	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:6		N	/1.3:F		-N:3
-QF:4		U	/1.3:F		-Load:1
		V	/1.3:F		-Load:2
		W	/1.3:F		-Load:3

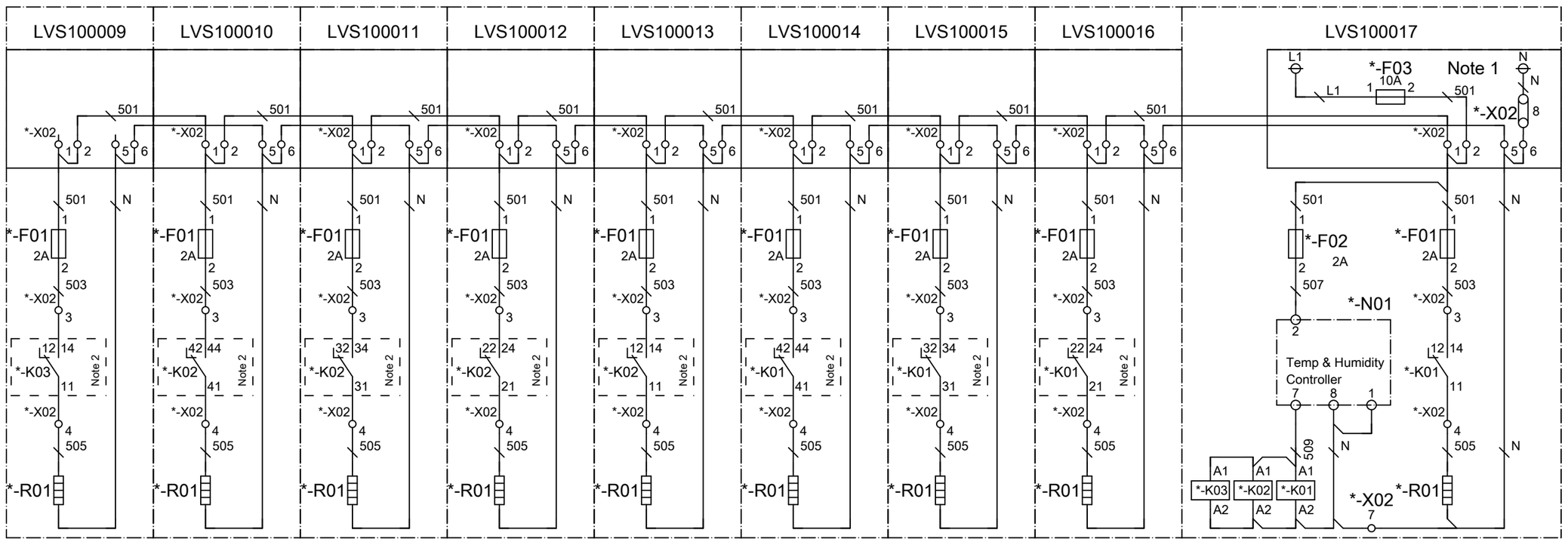
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X10.1	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
		10	/1.4:B		
-TAb:x2		11	/1.4:F		-PE
-PA:A	RS485+	12	/1.6:C		
-PA:B	RS485-	13	/1.6:C		
-PA:S	SHLD	14	/1.6:D		
		15	/2.8:B		
		16	/2.8:B		
-K1:21		17	/2.8:C		
-K1:24		18	/2.8:C		
-K2:21		19	/2.8:C		
-K2:24		20	/2.8:C		
		21	/2.8:C		
		22	/2.8:C		
		23	/2.8:D		
		24	/2.8:D		
		25	/2.8:D		
		26	/2.8:D		
		27	/2.8:D		
		28	/2.8:D		

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REV.	DESCRIPTION	DRAWN		TITLE		FUNCTION		SCALE	= W_MODULE	SHEET 7
		CHECKED		SCHEMATIC DIAGRAM				1:1	+ FD_1P_1CT	TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3		A3	DRAWING NO. 1TNR003373D3009	REV. B
		DATE								

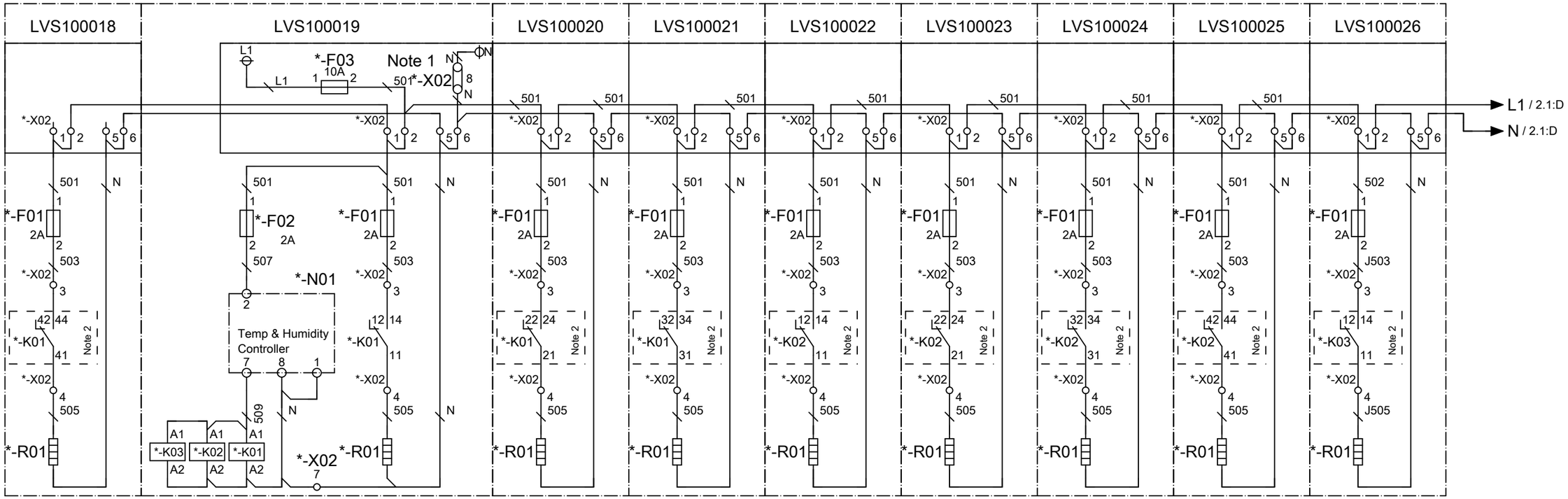
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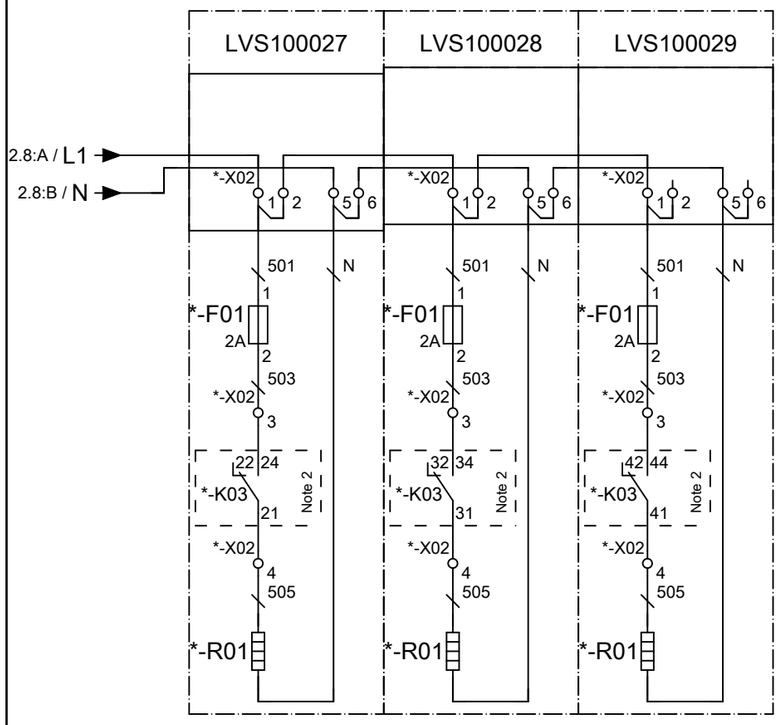




REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS3	SCALE 1:1	= Heater	SHEET 1	
		CHECKED						+ HEATER_UCS3	TOTAL 6	
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D4002		REV. B
		DATE								

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NOTE:
1.Power For Heaters obtained from the INC_Diesel Main Busbar Section;
2.The Control signal come from the Nearby Panel;
3.The letter "*" refers to the Switchboard Code.

REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS3	SCALE 1:1	= Heater + HEATER_UCS3	SHEET 2 TOTAL 6
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D4002	REV. B
		APPROVED							
		DATE							

部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.2:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.2:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.2:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.3:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.3:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.3:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.3:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.3:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.3:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.4:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.4:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.4:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.4:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.4:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.4:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.5:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.5:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.5:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.6:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.6:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.6:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.7:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.7:B
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.6:B
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.6:B
-LVS10000	Fuse	RT14-20-10A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100016R1	=Heater+HEATER_UCS3/1.7:A
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.7:A
-LVS10000	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/1.6:C
-LVS10000	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/1.6:C
-LVS10000	Tem. & hum. con.	WSK-HS(TH),AC220V,Temperature and humidity controller	YUANZHENG	1	1TNR060100549R1	=Heater+HEATER_UCS3/1.6:B
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.7:C
-LVS10000	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.1:E
-LVS10000	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.1:E
-LVS10000	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.1:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.2:E

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Heater for UCS3	SCALE 1:1	= Heater	SHEET 3
			CHECKED						+ HEATER_UCS3	TOTAL 6
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D4002	REV. B
			DATE							

部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.2:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.2:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.3:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.3:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.3:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.3:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.3:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.3:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.4:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.4:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.4:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.4:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.4:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.4:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.5:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.5:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.5:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.6:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.6:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.6:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.7:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.7:E
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/1.6:E
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.6:E
-LVS10001	Fuse	RT14-20-10A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100016R1	=Heater+HEATER_UCS3/1.7:D
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/1.7:D
-LVS10001	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/1.6:F
-LVS10001	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/1.6:F
-LVS10001	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/1.6:F
-LVS10001	Tem. & hum. con.	WSK-HS(TH),AC220V,Temperature and humidity controller	YUANZHENG	1	1TNR060100549R1	=Heater+HEATER_UCS3/1.6:E
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/1.7:F
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.2:B
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.2:B
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.2:C
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.3:B

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS3	SCALE 1:1	= Heater	SHEET 4
			CHECKED						+ HEATER_UCS3	TOTAL 6
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D4002	REV. B
			DATE							

部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.3:B
-LVS10001	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.2:B
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.2:B
-LVS10001	Fuse	RT14-20-10A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100016R1	=Heater+HEATER_UCS3/2.3:A
-LVS10001	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.3:A
-LVS10001	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/2.2:C
-LVS10001	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/2.2:C
-LVS10001	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS3/2.2:C
-LVS10001	Tem. & hum. con.	WSK-HS(TH),AC220V,Temperature and humidity controller	YUANZHENG	1	1TNR060100549R1	=Heater+HEATER_UCS3/2.2:B
-LVS10001	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.3:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.4:B
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.4:B
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.4:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.4:B
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.4:B
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.4:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.5:B
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.5:B
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.5:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.6:B
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.6:B
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.6:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.6:B
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.6:B
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.6:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.7:B
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.7:B
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.7:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.7:B
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.7:B
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.7:C
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.2:E
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.2:E
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.2:F
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.2:E

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Heater for UCS3	SCALE 1:1	= Heater	SHEET 5
			CHECKED						+ HEATER_UCS3	TOTAL 6
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS3	A3	DRAWING NO. 1TNR003373D4002	REV. B
			DATE							

部件清单/Part List

设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.2:E
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.2:F
-LVS10002	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS3/2.3:E
-LVS10002	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS3/2.3:E
-LVS10002	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS3/2.3:F

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS3	SCALE 1:1 / = Heater / + HEATER_UCS3 / SHEET 6 / TOTAL 6
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS3	A3 / DRAWING NO. 1TNR003373D4002 / REV. B
		APPROVED					
		DATE					