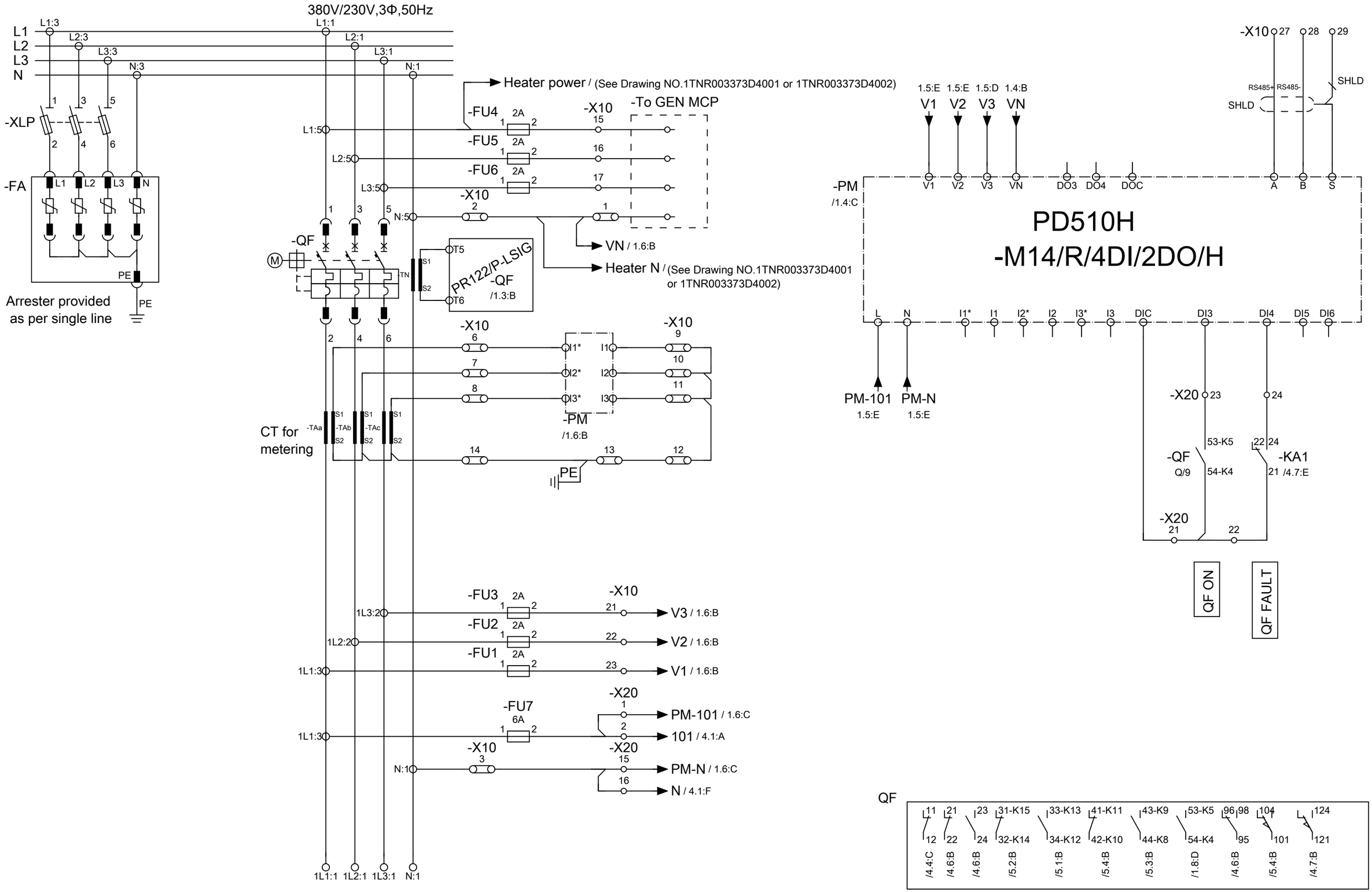
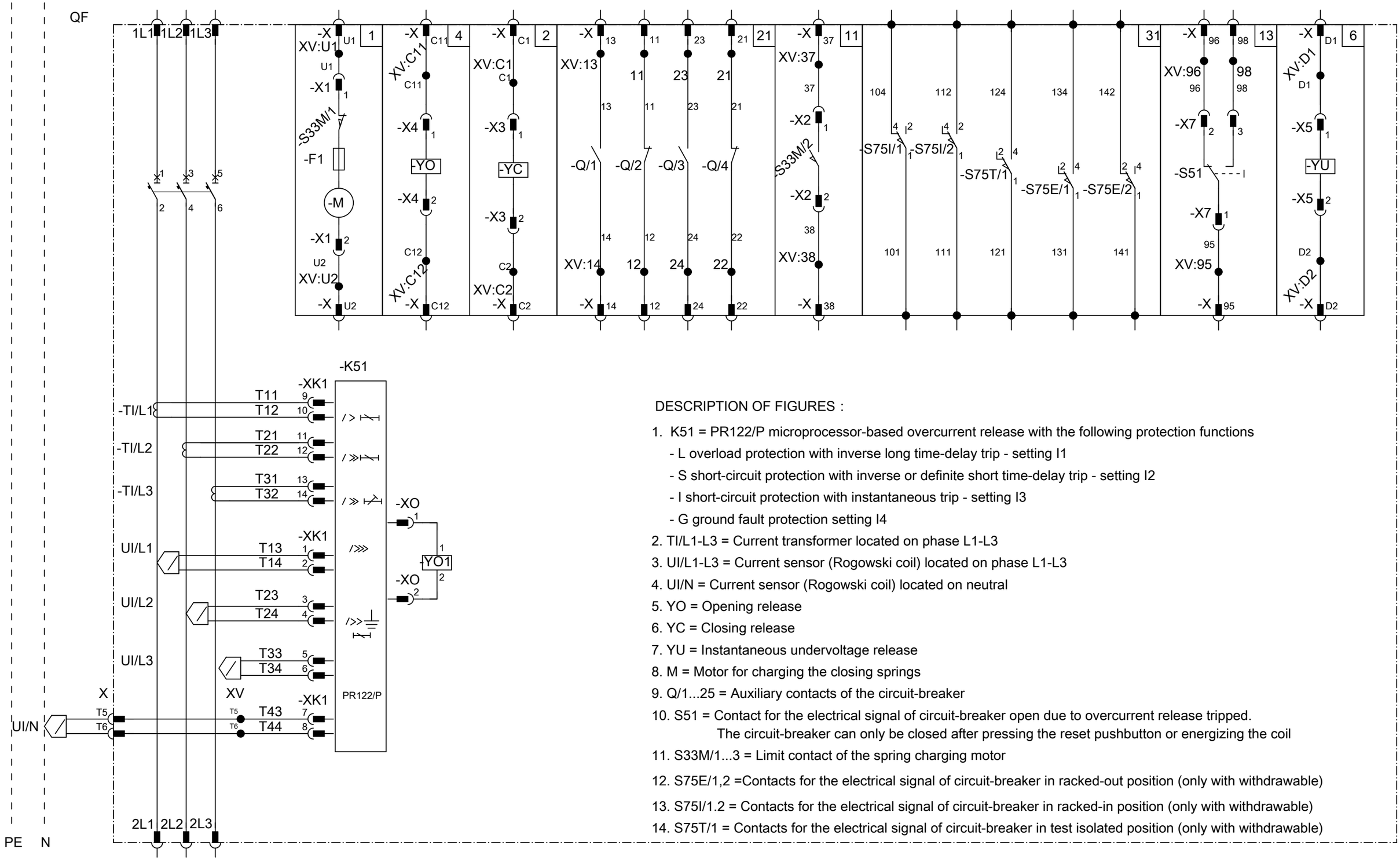
SINGLE LINE & METERING CIRCUIT



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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
		CHECKED						SHEET 1
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	TOTAL 11
		DATE					DRAWING NO. 1TNR003373D3001	REV. C

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		



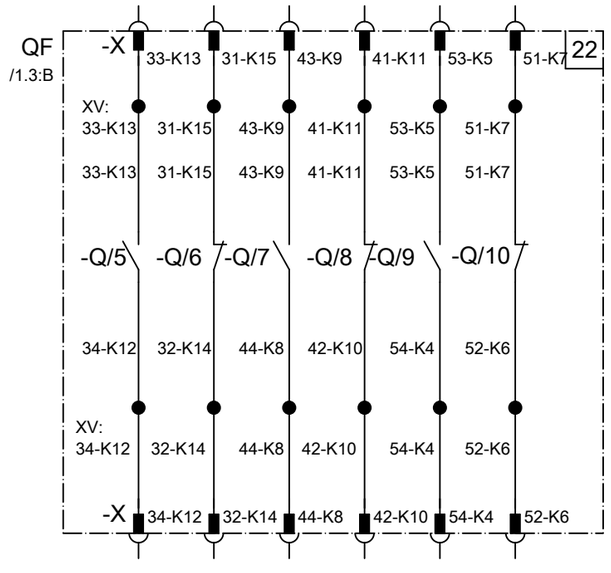
DESCRIPTION OF FIGURES :

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.	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME		A3	DRAWING NO.	REV.
		DATE		PM003373		中乌天然气管道压气站UCS1			1TNR003373D3001	C

SECOND SET OF AUXILIARY CONTACTS



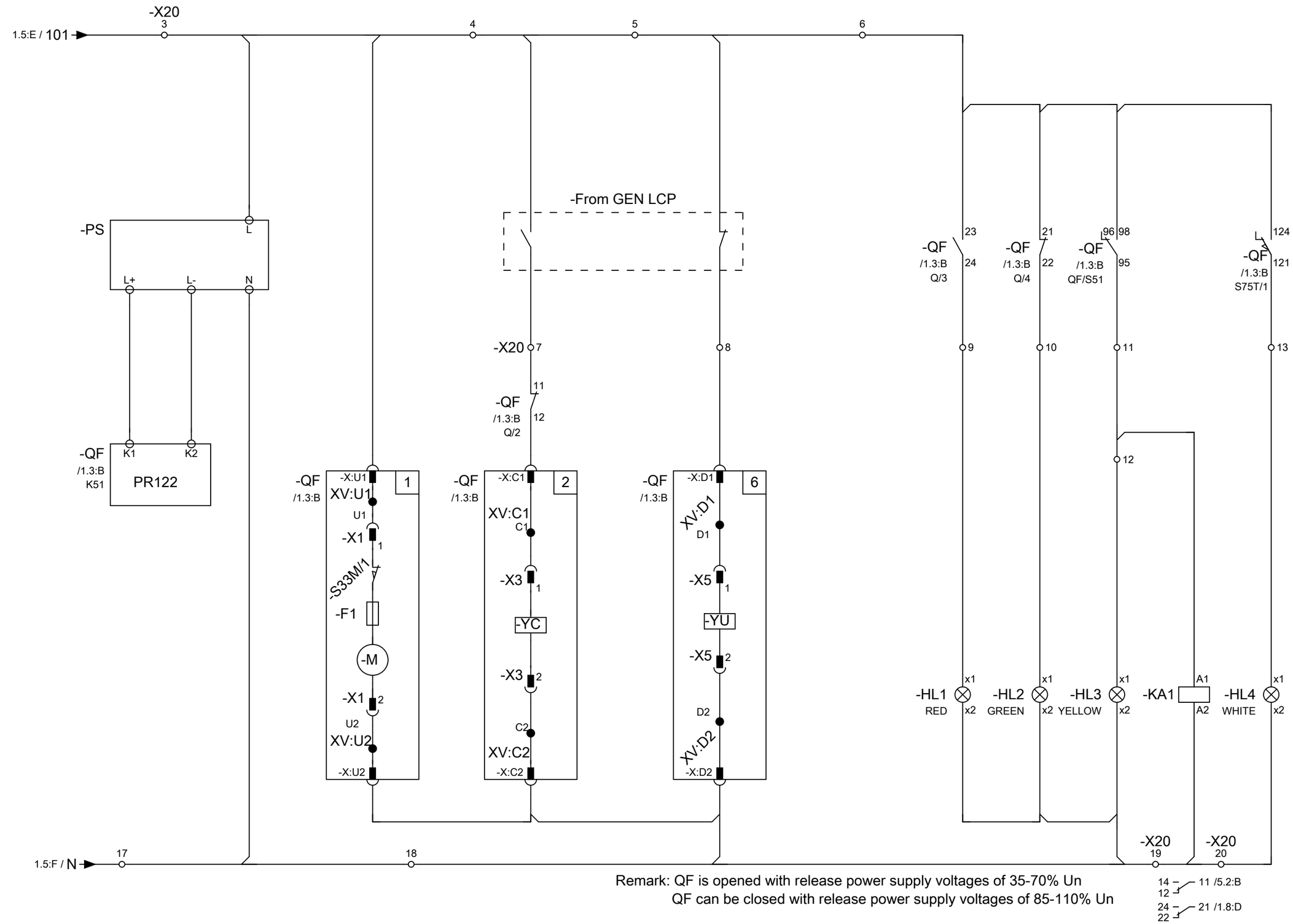
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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB
REV.	DESCRIPTION	CHECKED						+ INC_Diesel
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3001
		DATE						REV. C

SHEET 3
TOTAL 11

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

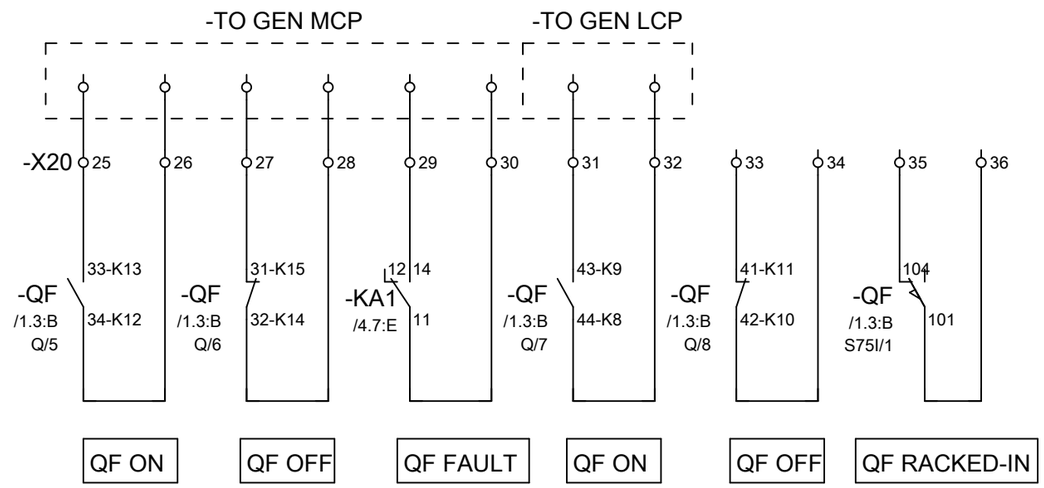
This drawing and the information contained thereon is the property of ABB and shall not be used, reproduced for any purpose, or shown to third parties without the written consent of ABB.



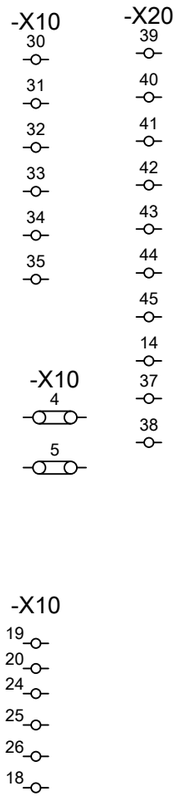
Remark: QF is opened with release power supply voltages of 35-70% Un
QF can be closed with release power supply voltages of 85-110% Un

REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	Diesel Incomer	SCALE	= ACB	SHEET	4
		CHECKED							1:1	+ 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UCS1	A3	DRAWING NO.		REV.
		DATE								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UCS1	A3	DRAWING NO. 1TNR003373D3001	REV. C
			DATE							

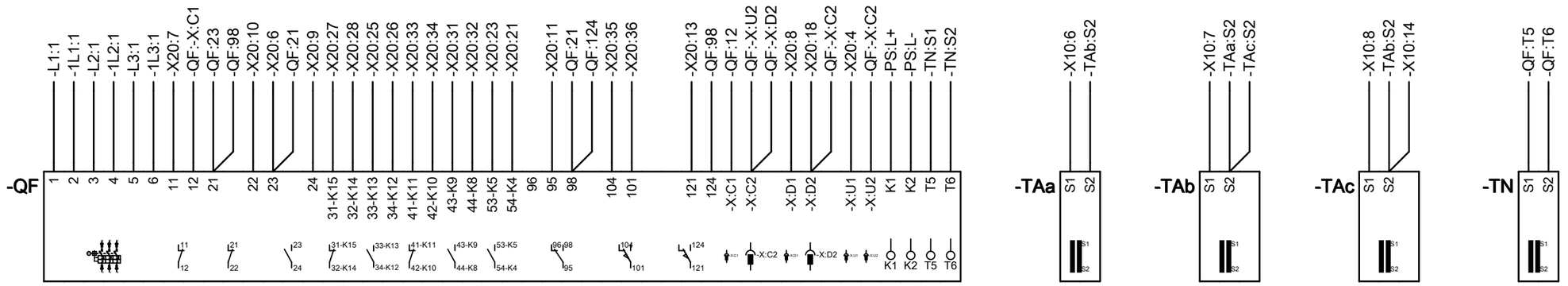
部件清单/Part List

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UCS1	A3	DRAWING NO. 1TNR003373D3001	REV. C
			DATE							

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

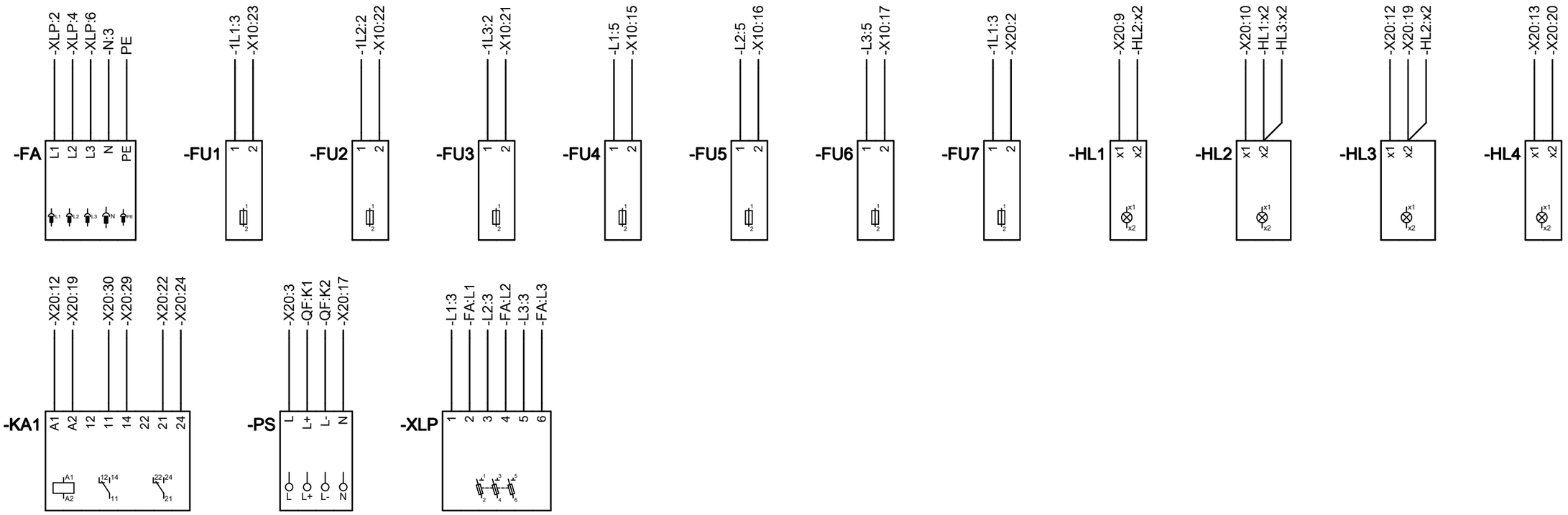


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB / + INC_Diesel
REV.	DESCRIPTION	CHECKED						SHEET 7 / TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3001 / REV. C
		DATE						

设备连接图/Device Connection Diagram

ACB铁斗接线图

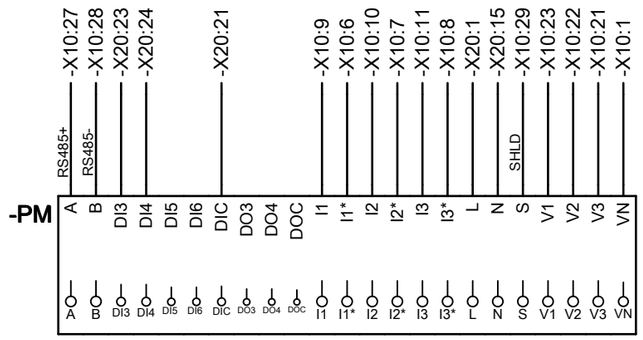


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Diesel Incomer	SCALE 1:1	= ACB + INC_Diesel	SHEET 8 TOTAL 11
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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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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
Diesel Incomer		1:1	= ACB	9
			+ INC_Diesel	TOTAL 11
PROJECT NAME: 中乌天然气管道压气站UCS1	A3	DRAWING NO.: 1TNR003373D3001		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UCS1	A3	DRAWING NO. 1TNR003373D3001	REV. C
		DATE							

端子图表/Terminal Diagram

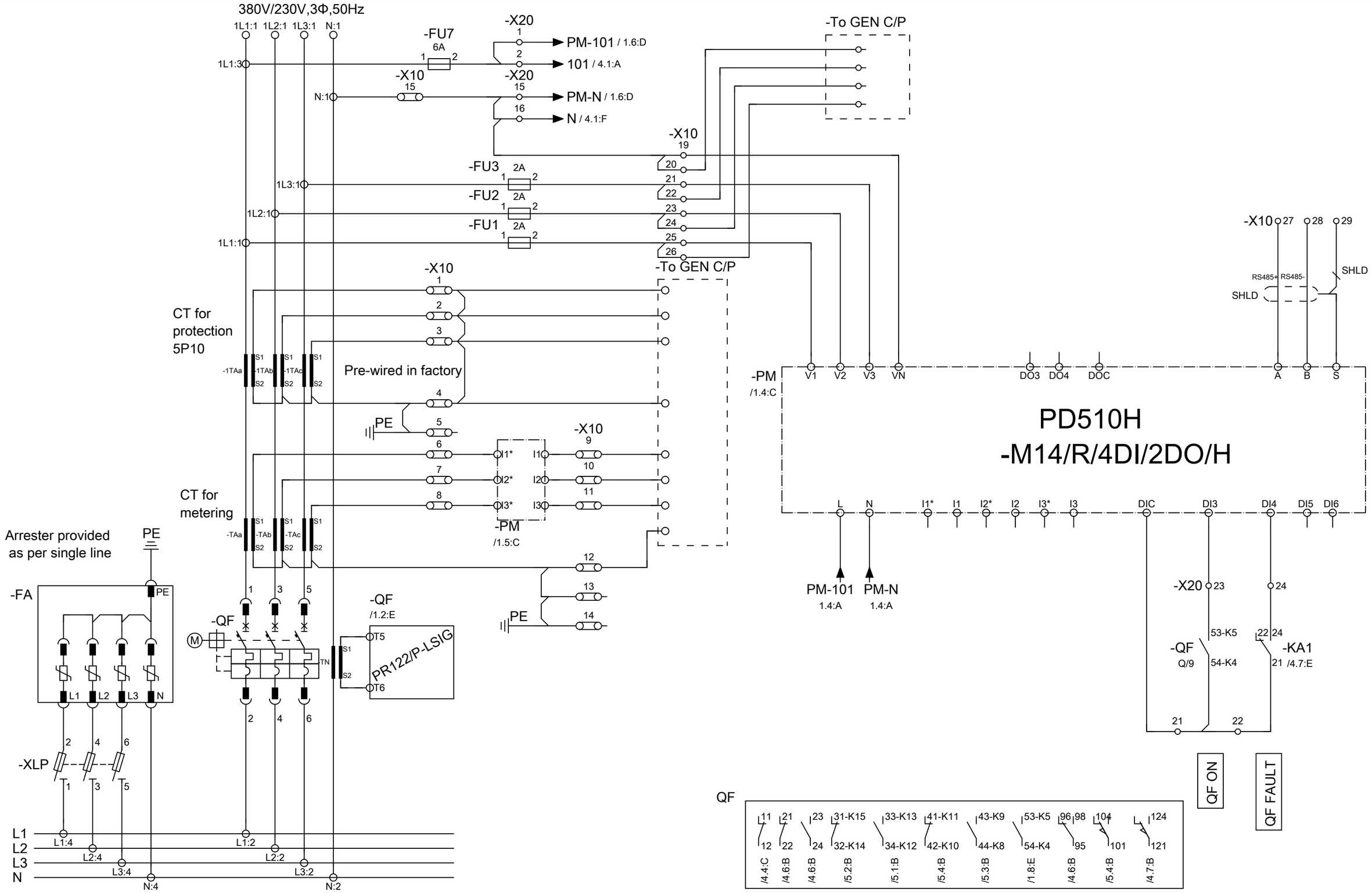
-X20						
目标代号 Connecting Objects	连接线号 Wire Number	端子 Terminals	短连接 Jumper	连接线号 Wire Number	目标代号 Connecting Objects	页/列 Page/Row
-QF:33-K13		25	'		-TO GEN MCP	/5.1:A
-QF:34-K12		26	'		-TO GEN MCP	/5.2:A
-QF:31-K15		27	'		-TO GEN MCP	/5.2:A
-QF:32-K14		28	'		-TO GEN MCP	/5.2:A
-KA1:14		29	'		-TO GEN 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UCS1	A3	DRAWING NO. 1TNR003373D3001	REV. C
				DATE							

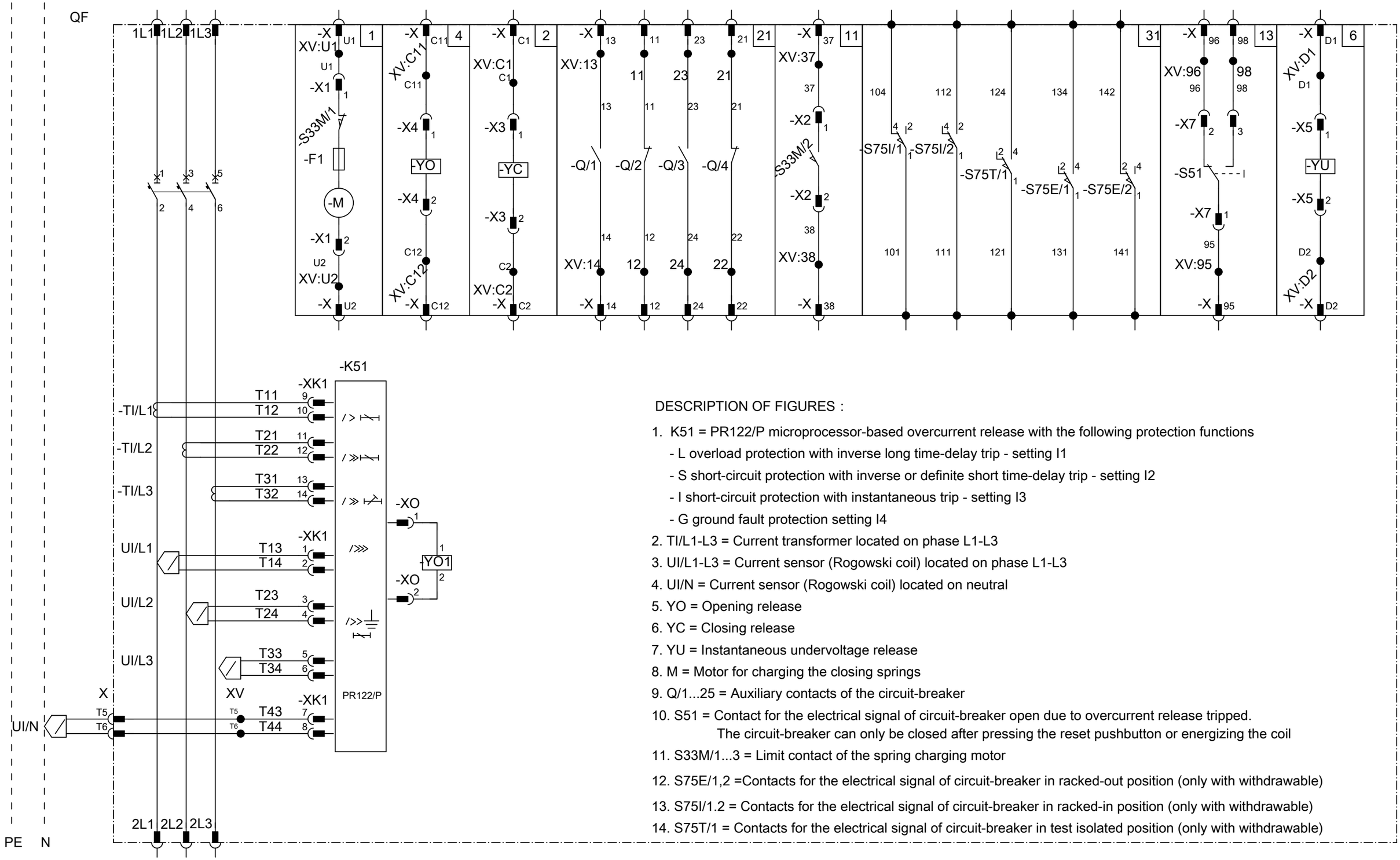
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SINGLE LINE & METERING CIRCUIT



		DRAWN		TITLE SCHEMATIC DIAGRAM	ABB XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB + INC_GAS	SHEET 1 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UCS1	A3	DRAWING NO. 1TNR003373D3002	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	INSTANTANEOUS UNDERVOLTAGE RELEASE
						RACKED-IN	TEST ISOLATED	RACKED-OUT		



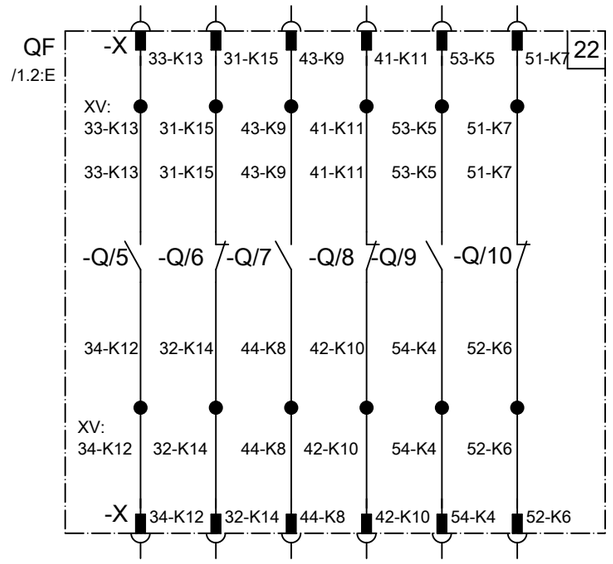
DESCRIPTION OF FIGURES :

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.		PROJECT NAME		A3	DRAWING NO.		REV.
		DATE		PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	中乌天然气管道压气站UCS1			1TNR003373D3002		C

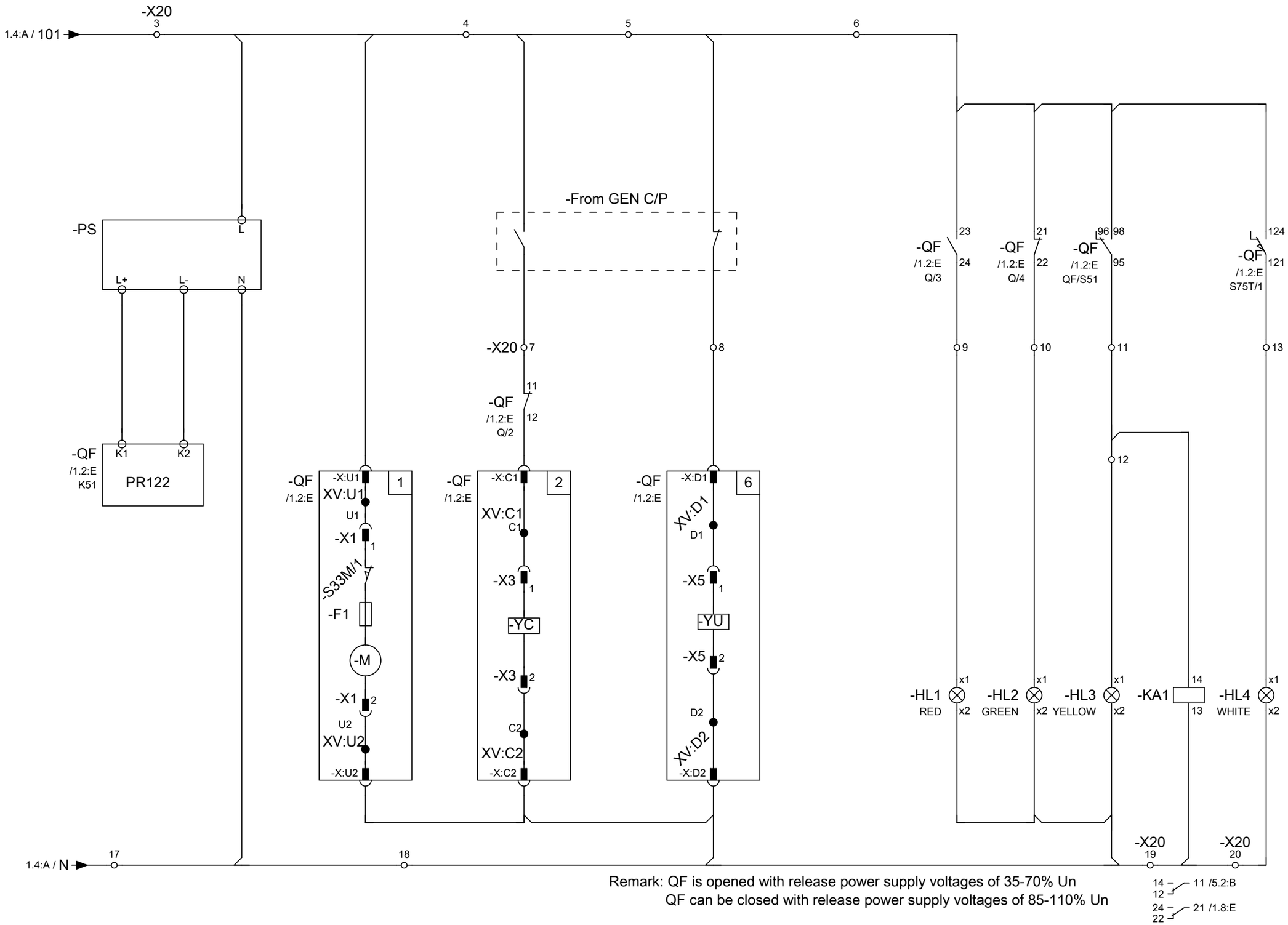
SECOND SET OF AUXILIARY CONTACTS



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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UCS1	A3	DRAWING NO. 1TNR003373D3002	REV. C
		DATE							

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

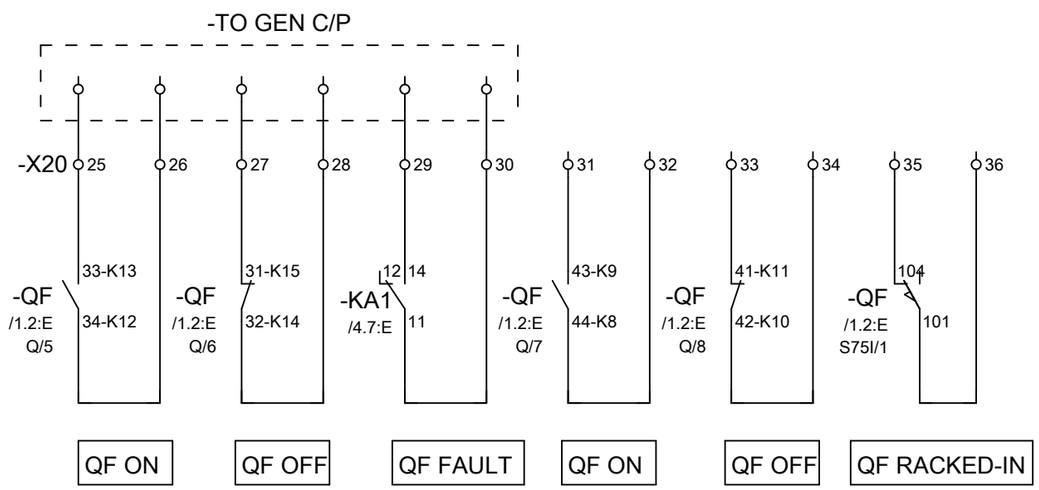


Remark: QF is opened with release power supply voltages of 35-70% Un
QF can be closed with release power supply voltages of 85-110% Un

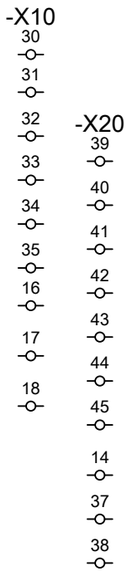
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REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	Gas Generator Incomer	SCALE	= ACB	SHEET	4
		CHECKED							1:1	+ INC_GAS	TOTAL	11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS1	A3	DRAWING NO.		REV.
		DATE								1TNR003373D3002		C

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
REV.	DESCRIPTION	CHECKED						+ INC_GAS
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3002
		DATE						

SHEET 5 TOTAL 11 REV. C

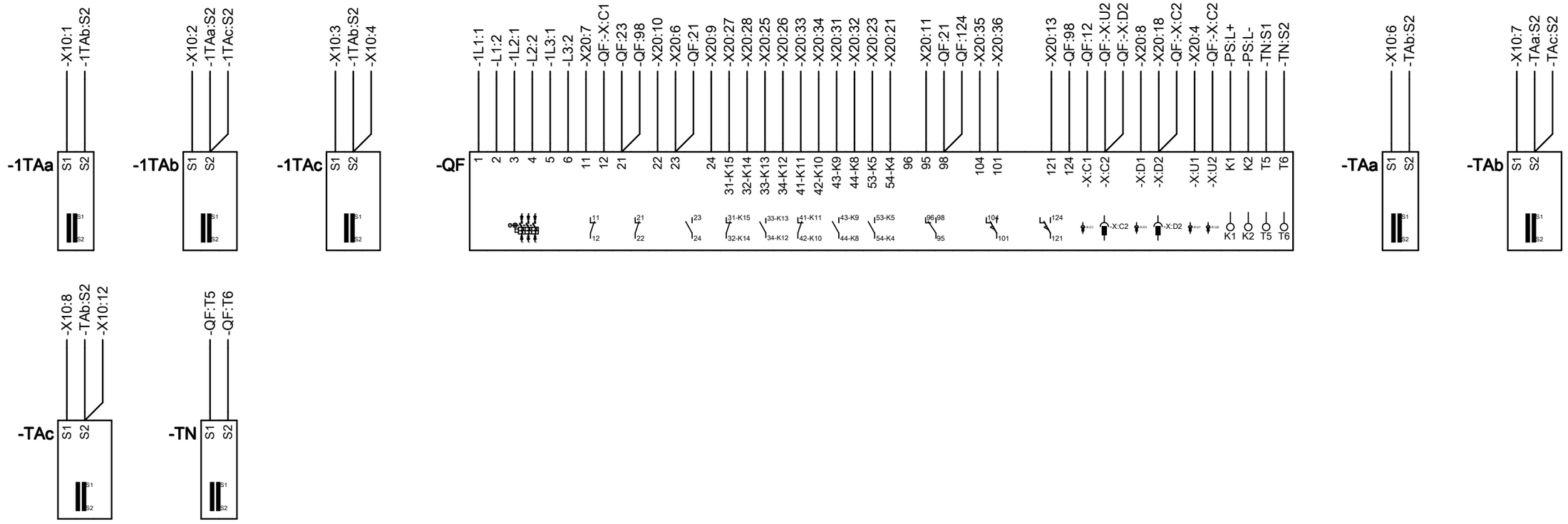
部件清单/Part List

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
-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		FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB	SHEET 6
			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UCS1	A3	DRAWING NO. 1TNR003373D3002	REV. C
			DATE							

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

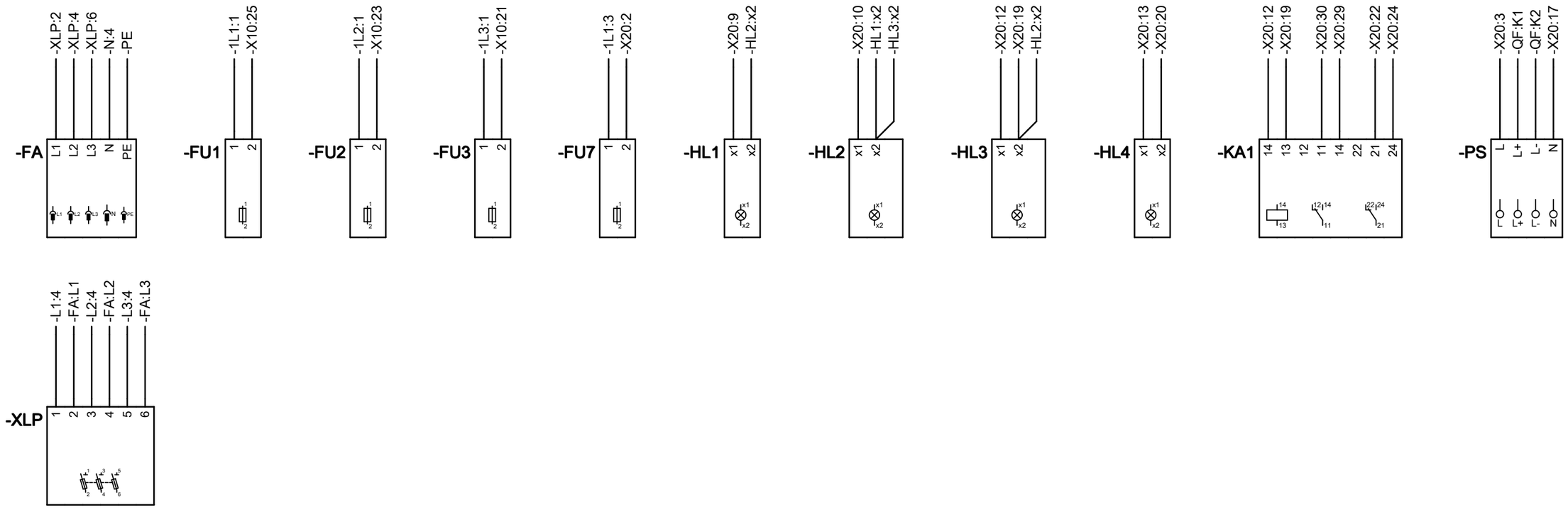


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB + INC_GAS	SHEET 7 TOTAL 11
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3002	REV. C
		DATE							

设备连接图/Device Connection Diagram

ACB铁斗接线图

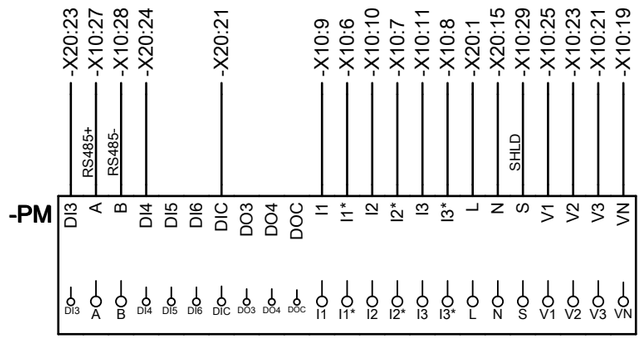


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1	= ACB	SHEET 8
REV.	DESCRIPTION	CHECKED						+ INC_GAS	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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UCS1		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	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Gas Generator Incomer	SCALE 1:1 / = ACB / + INC_GAS / SHEET 10 / TOTAL 11
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3 / DRAWING NO. 1TNR003373D3002 / REV. C
		APPROVED					
		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

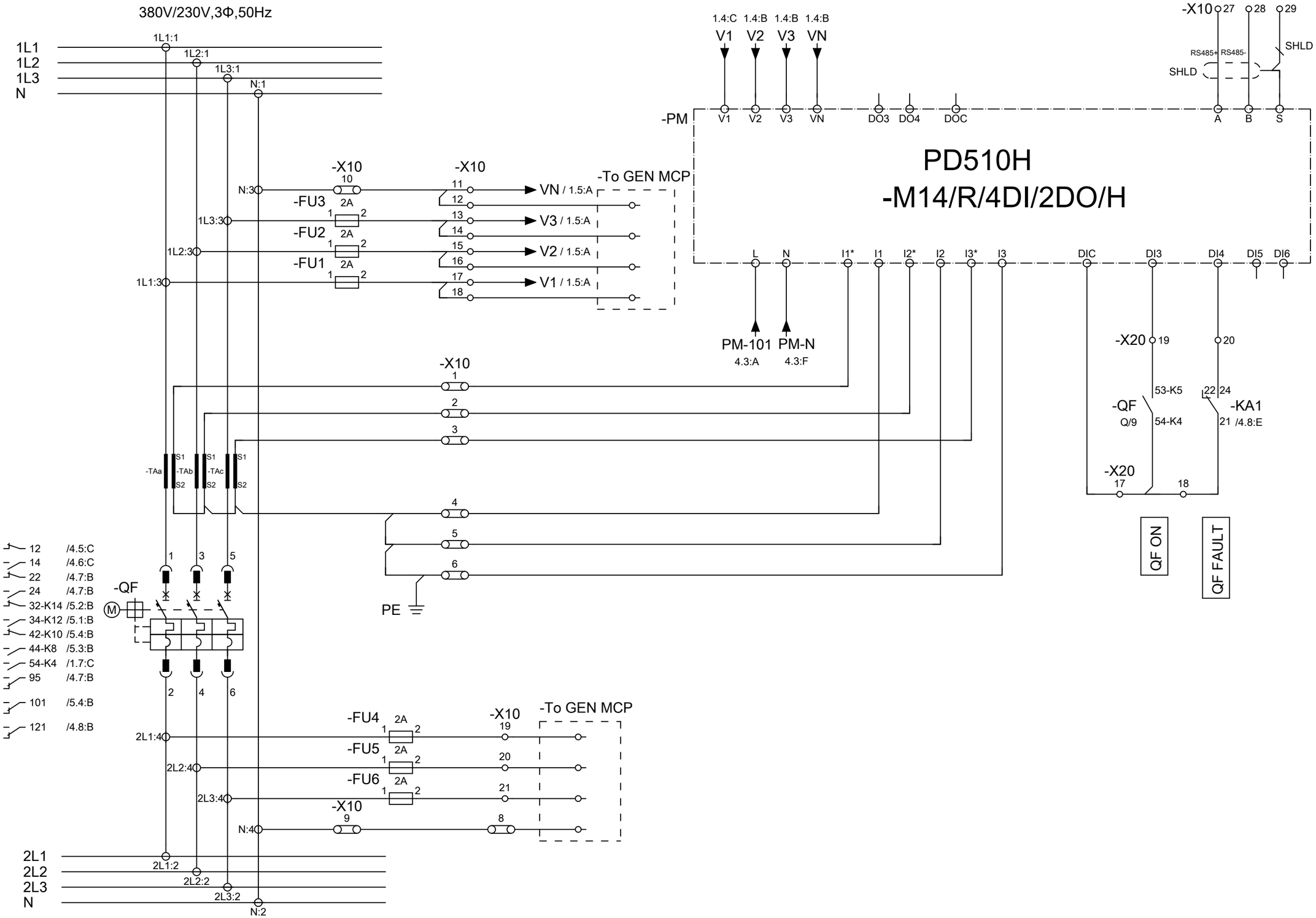
TITLE: SCHEMATIC DIAGRAM
PROJECT NO.: PM003373

XIAMEN L.V. EQUIPMENT CO.LTD.

FUNCTION: Gas Generator Incomer
PROJECT NAME: 中乌天然气管道压气站UCS1

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

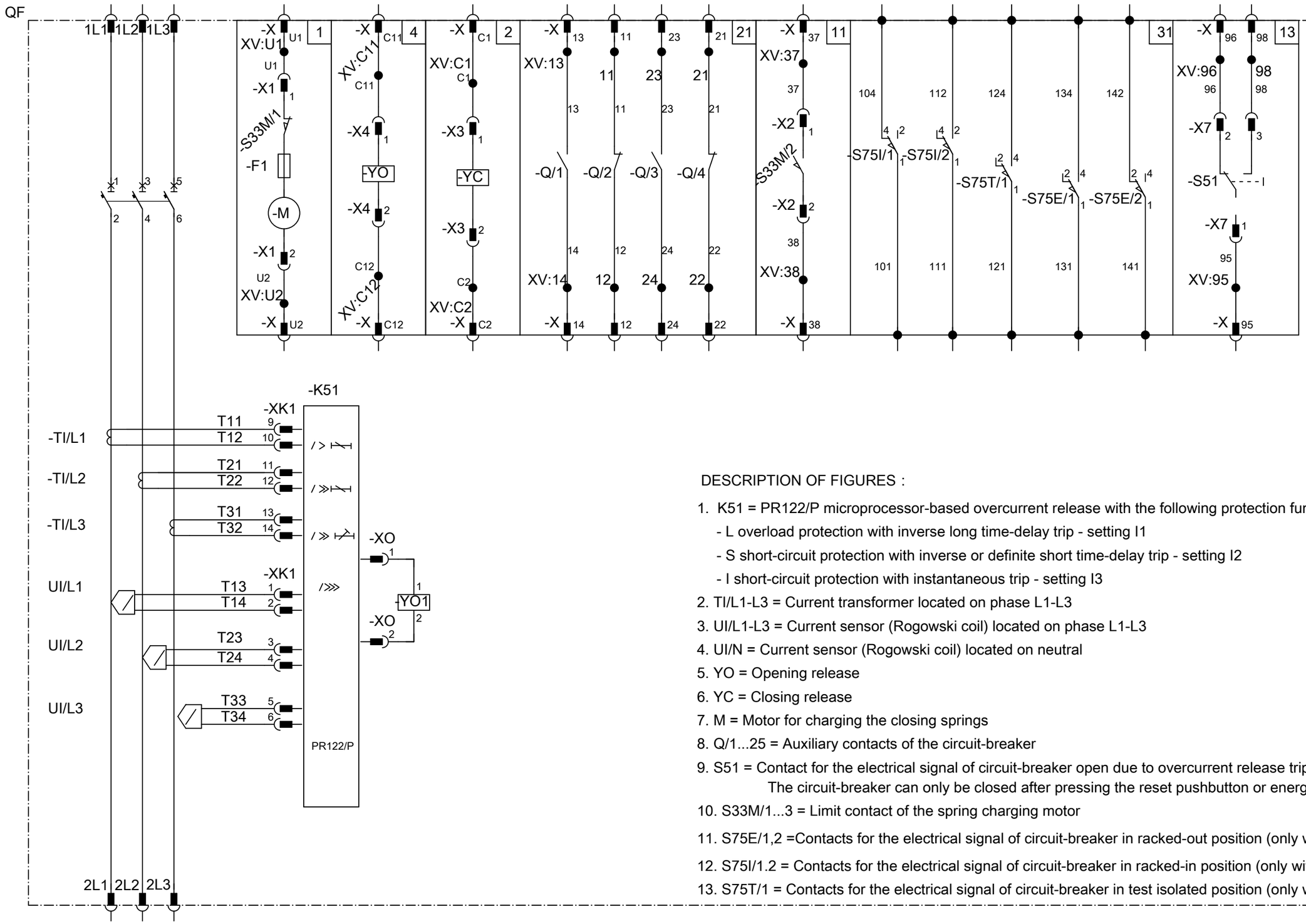
SINGLE LINE & METERING CIRCUIT



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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 1 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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	



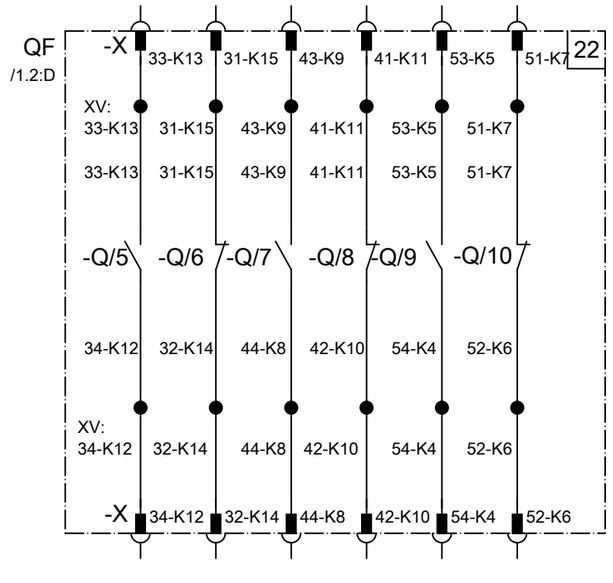
DESCRIPTION OF FIGURES :

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UCS1	A3	DRAWING NO. 1TNR003373D3003	REV. C
		DATE									

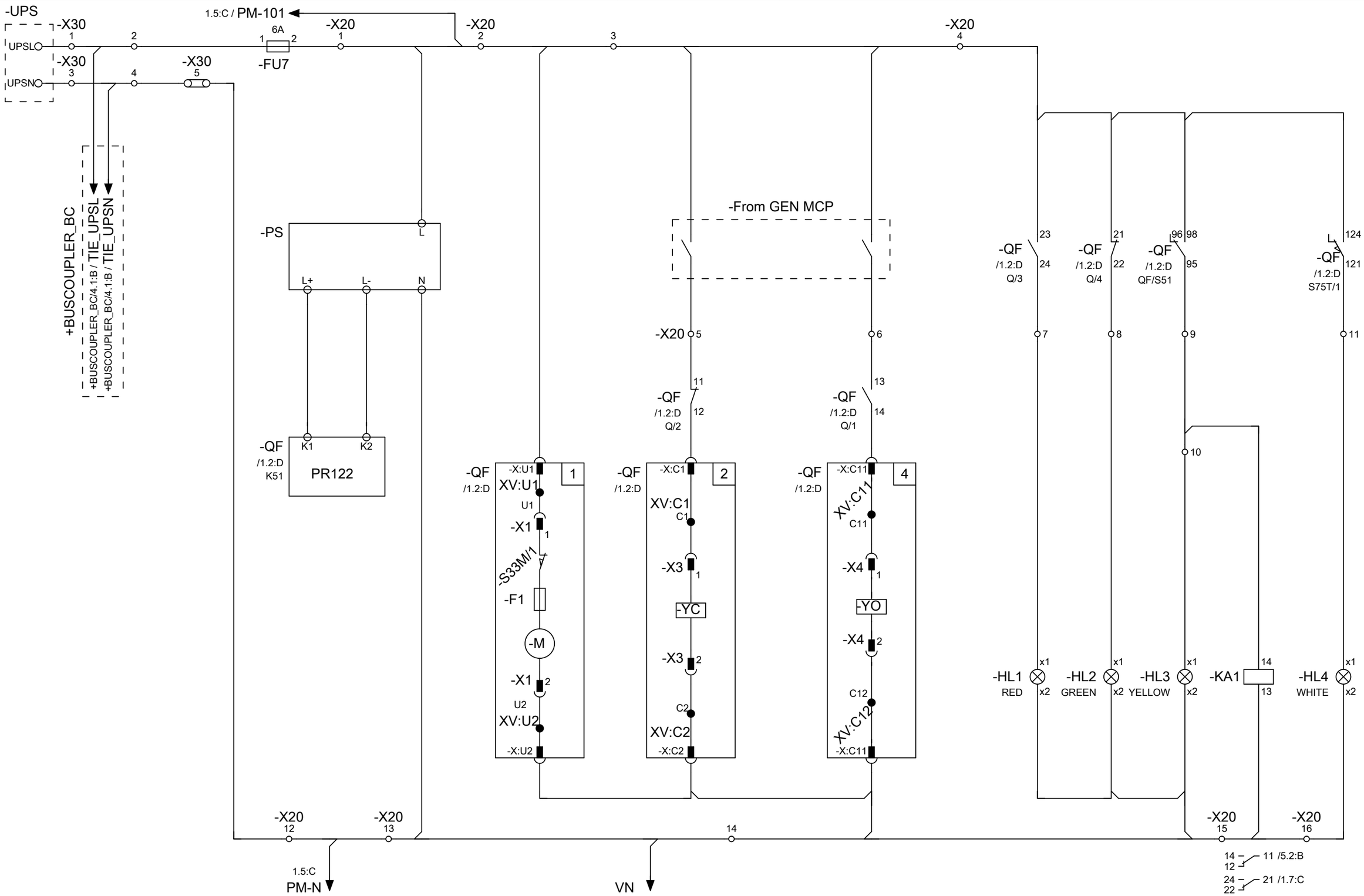
SECOND SET OF AUXILIARY CONTACTS



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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UCS1	A3	DRAWING NO. 1TNR003373D3003	REV. C
		DATE							

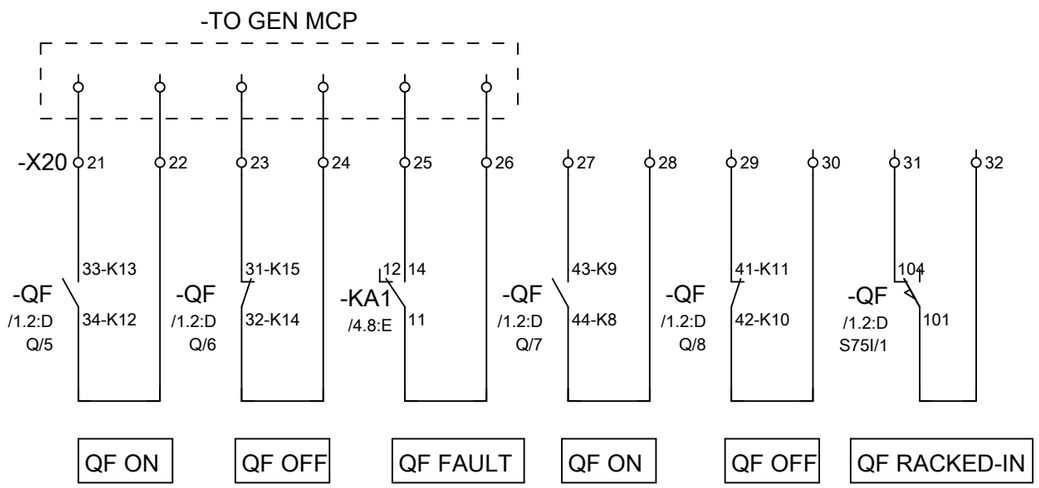
POWER SUPPLY	PR122 POWER	MOTOR CHARGING	CLOSE	OPEN	INDICATION		
					ON	OFF	FAULT

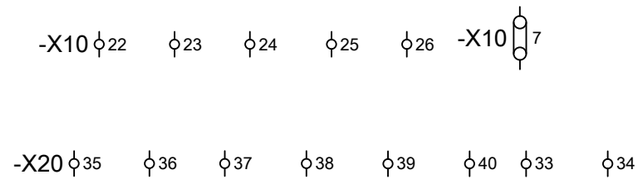


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		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION BUSCOUPLER_AB	SCALE 1:1 = ACB + BUSCOUPLER_AB	SHEET 4
REV.	DESCRIPTION	CHECKED						TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME 中乌天然气管道压气站UCS1	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UCS1	A3	DRAWING NO. 1TNR003373D3003	REV. C
			DATE							

部件清单/Part List

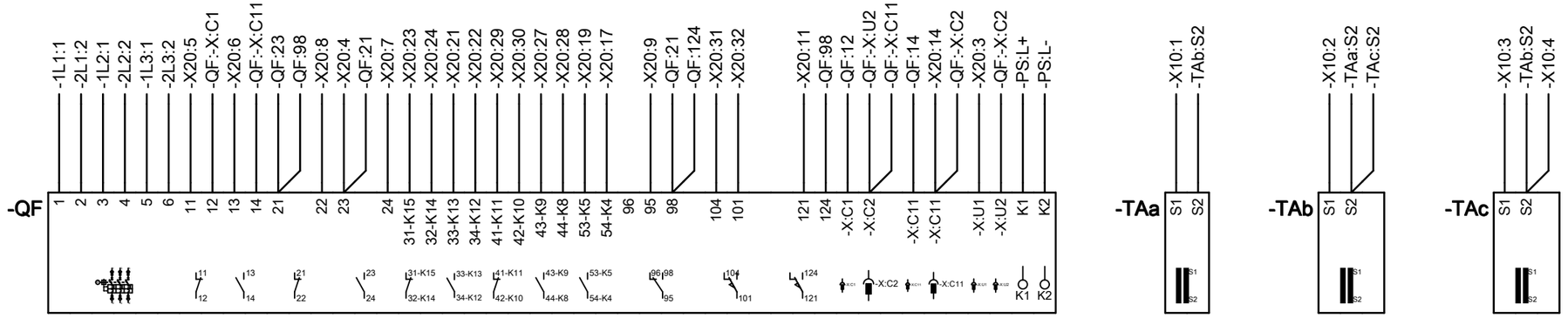
设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-FU1	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=ACB+BUSCOUPLER_AB/1.3:C
-FU1	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=ACB+BUSCOUPLER_AB/1.3:C
-FU2	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	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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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1 / = ACB / + BUSCOUPLER_AB	SHEET 6 / TOTAL 11
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3003 / REV. C
		APPROVED						
		DATE						

设备连接图/Device Connection Diagram

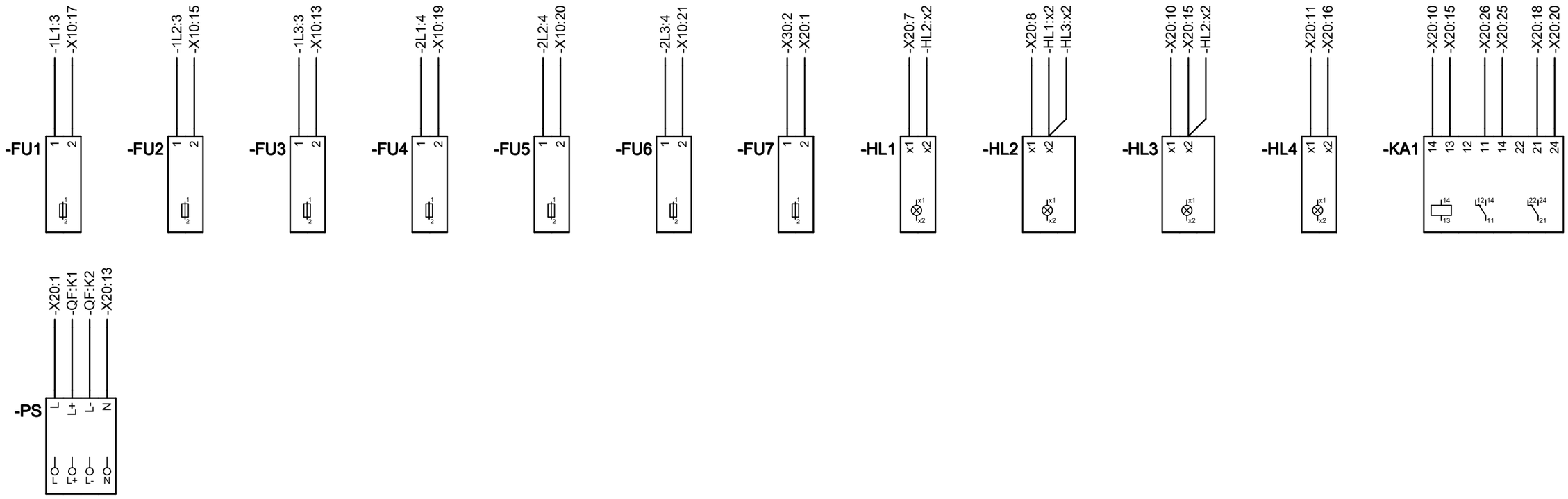
ACB柜内接线图



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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UCS1	A3	DRAWING NO. 1TNR003373D3003 REV. C
		DATE						

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

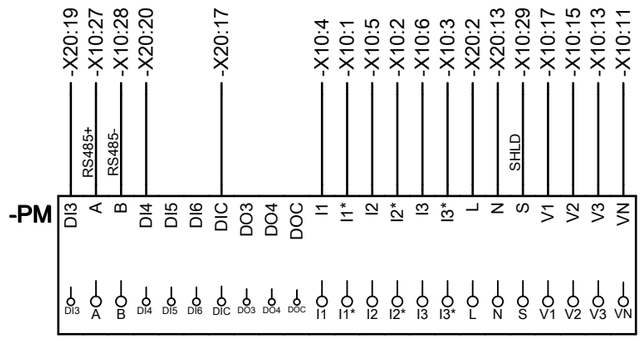


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1	= ACB + BUSCOUPLER_AB
REV.	DESCRIPTION	CHECKED						SHEET 8 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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UCS1	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	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_AB	SCALE 1:1 = ACB + BUSCOUPLER_AB SHEET 10 TOTAL 11
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3 DRAWING NO. 1TNR003373D3003 REV. C
		APPROVED					
		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

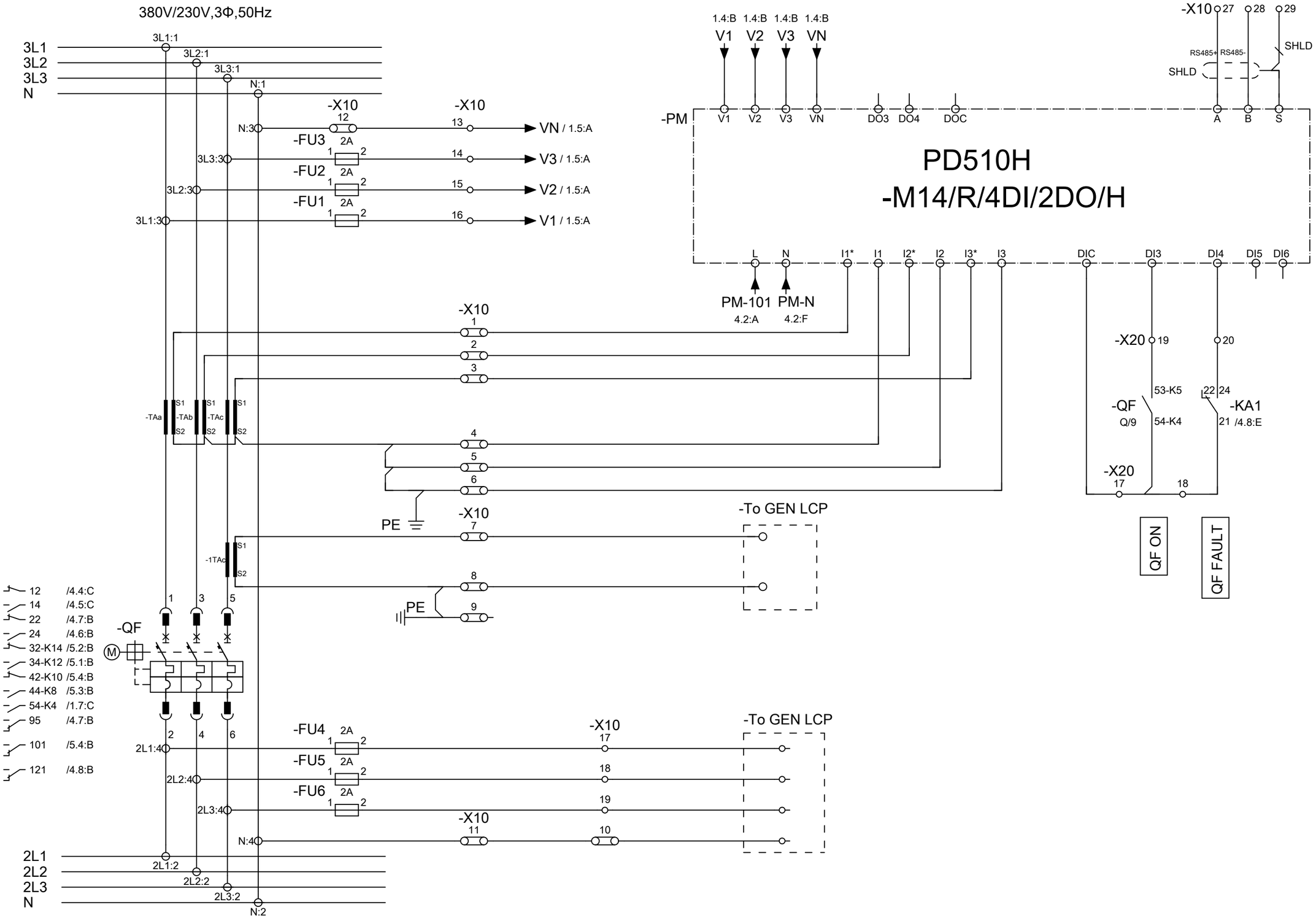
-X30

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UCS1	A3	DRAWING NO. 1TNR003373D3003	REV. C
		DATE							

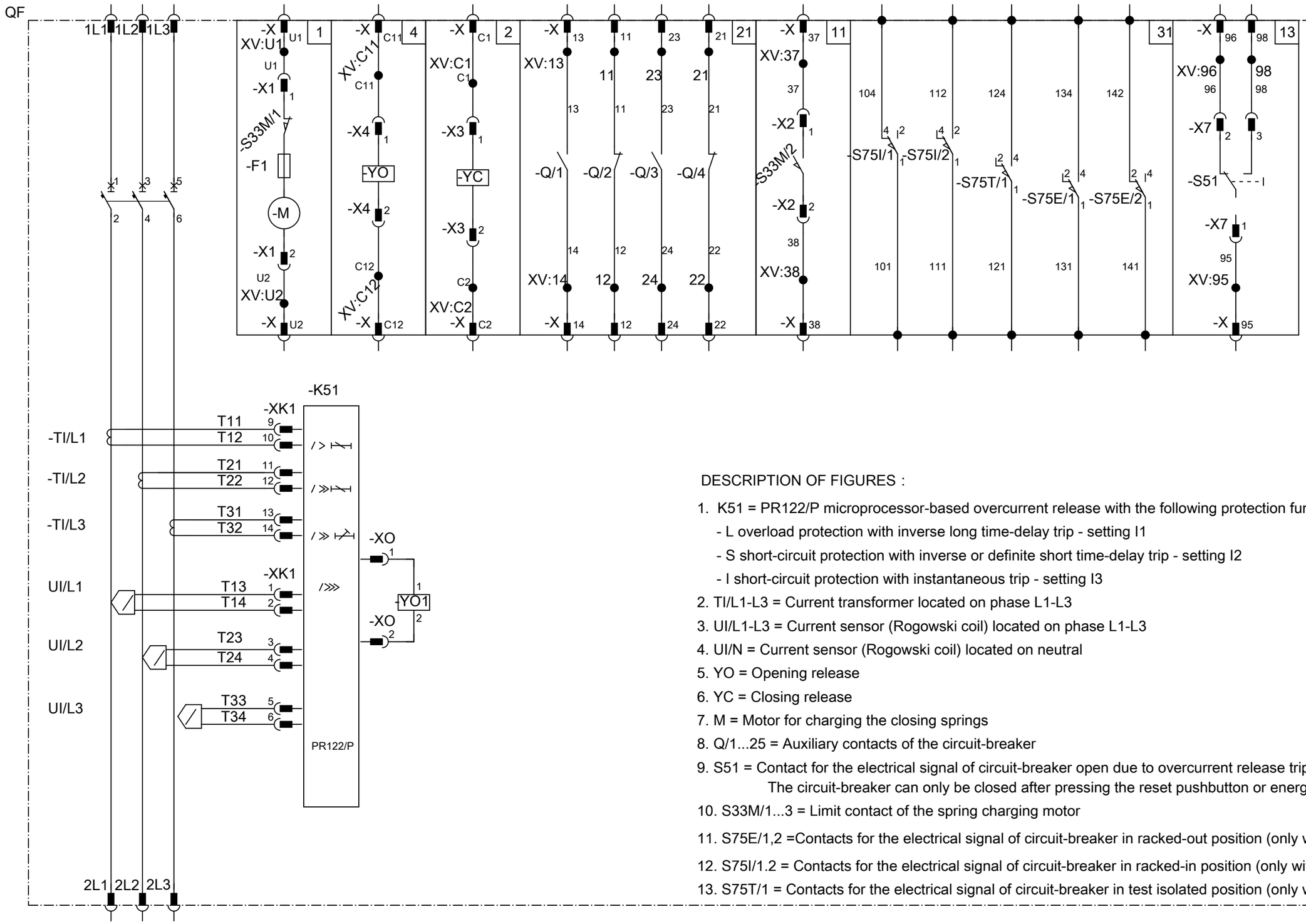
SINGLE LINE & METERING CIRCUIT



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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 1 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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	



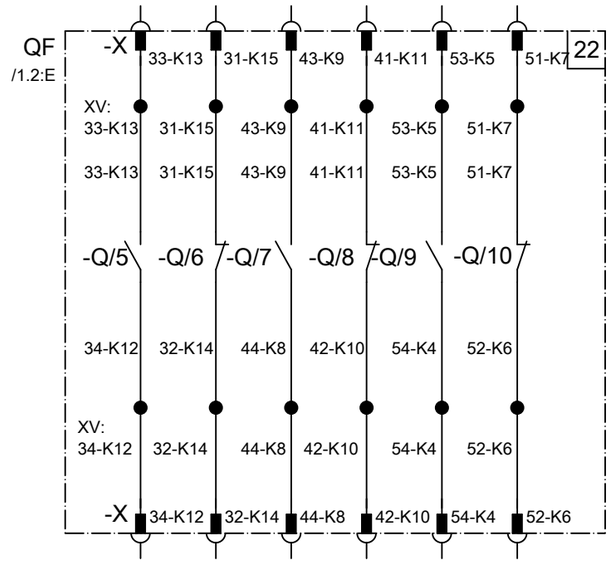
DESCRIPTION OF FIGURES :

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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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
REV.	DESCRIPTION	CHECKED						SHEET 2 TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3003C REV. C
		DATE						

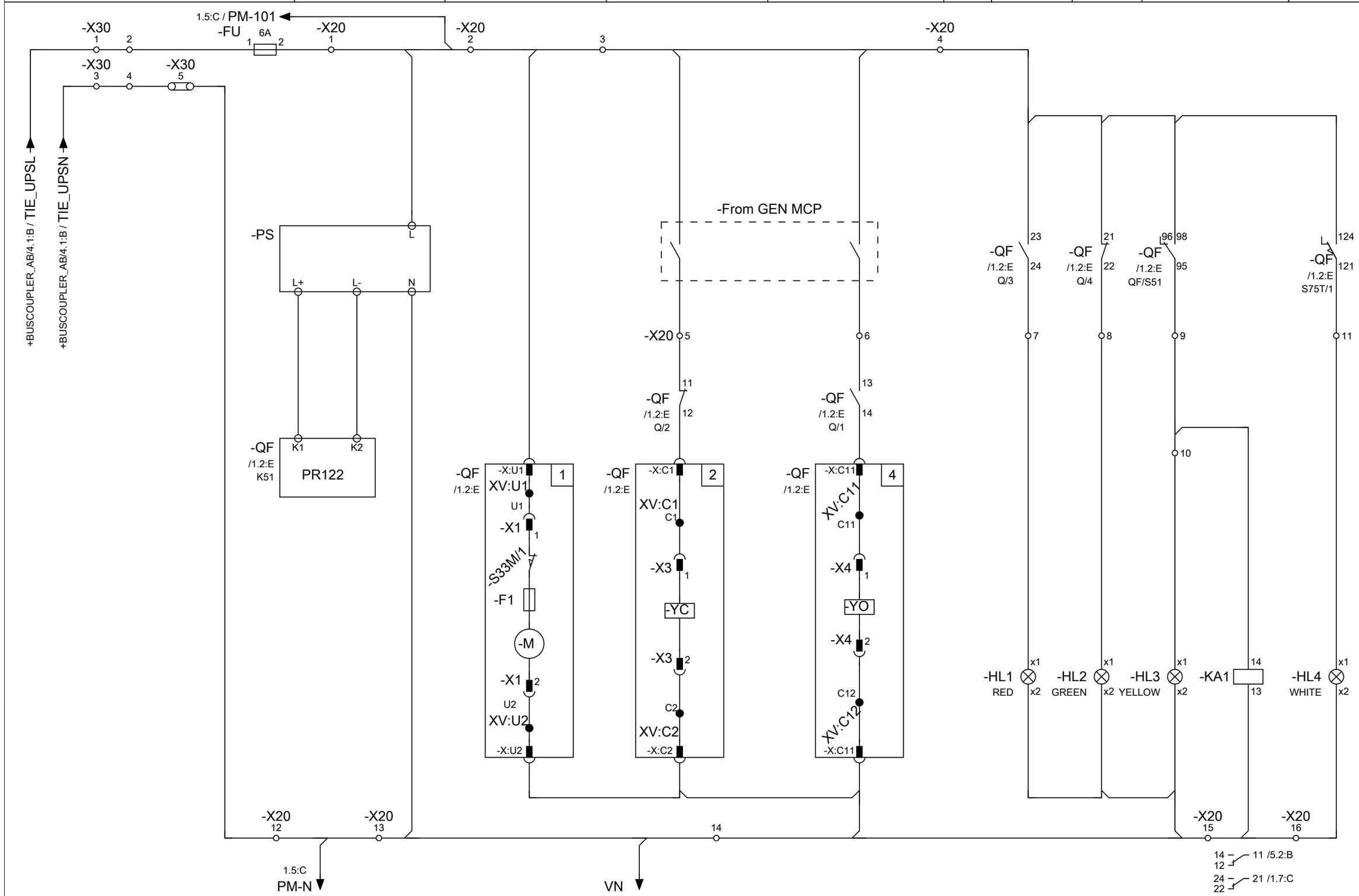
SECOND SET OF AUXILIARY CONTACTS



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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB	SHEET 3
REV.	DESCRIPTION	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UCS1	A3	DRAWING NO. 1TNR003373D3003C	REV. C
		DATE							

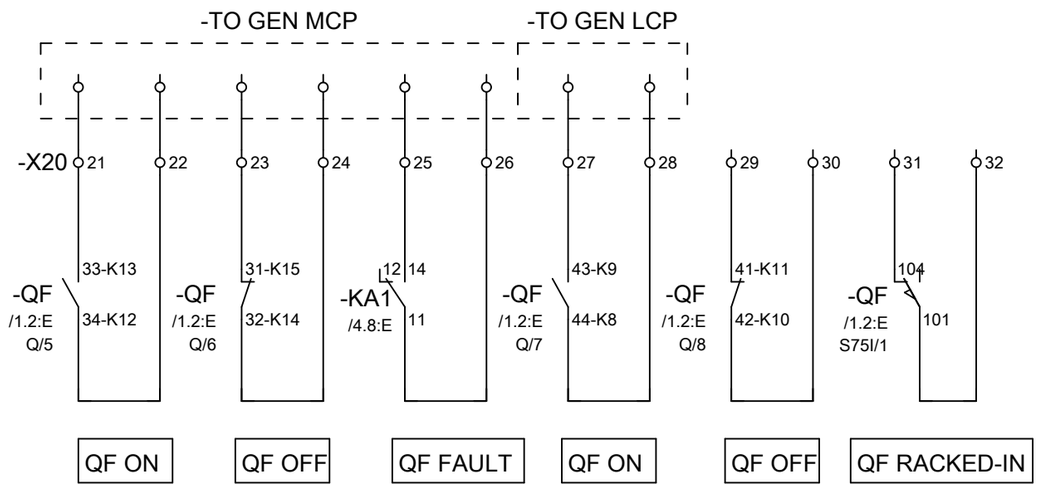
POWER SUPPLY	PR122 POWER	MOTOR CHARGING	CLOSE	OPEN		INDICATION		
						ON	OFF	FAULT



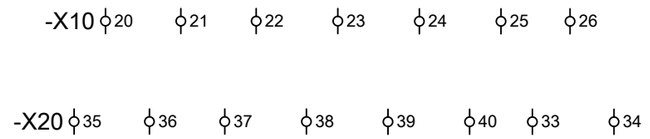
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		DRAWN		TITLE	SCHEMATIC DIAGRAM	FUNCTION	BUSCOUPLER_BC	SCALE 1:1	= ACB	SHEET 4
REV.	DESCRIPTION	CHECKED							+ BUSCOUPLER_BC	TOTAL 11
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	PROJECT NAME	中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3003C	REV. C
		DATE		XIAMEN L.V. EQUIPMENT CO.LTD.						

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
REV.	DESCRIPTION	CHECKED						+ BUSCOUPLER_BC
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3003C
		DATE						REV. C

SHEET 5
TOTAL 11

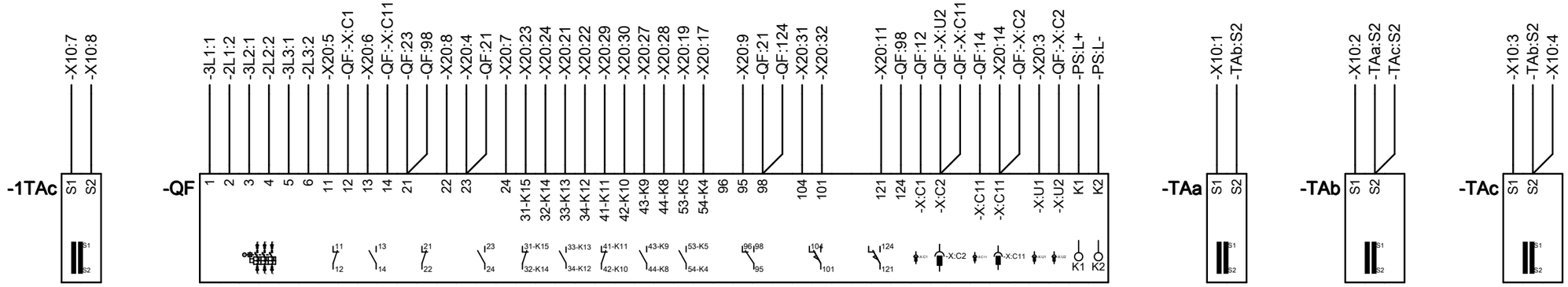
部件清单/Part List

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	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1 / = ACB / + BUSCOUPLER_BC	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UCS1	A3	DRAWING NO. 1TNR003373D3003C / REV. C
		DATE						

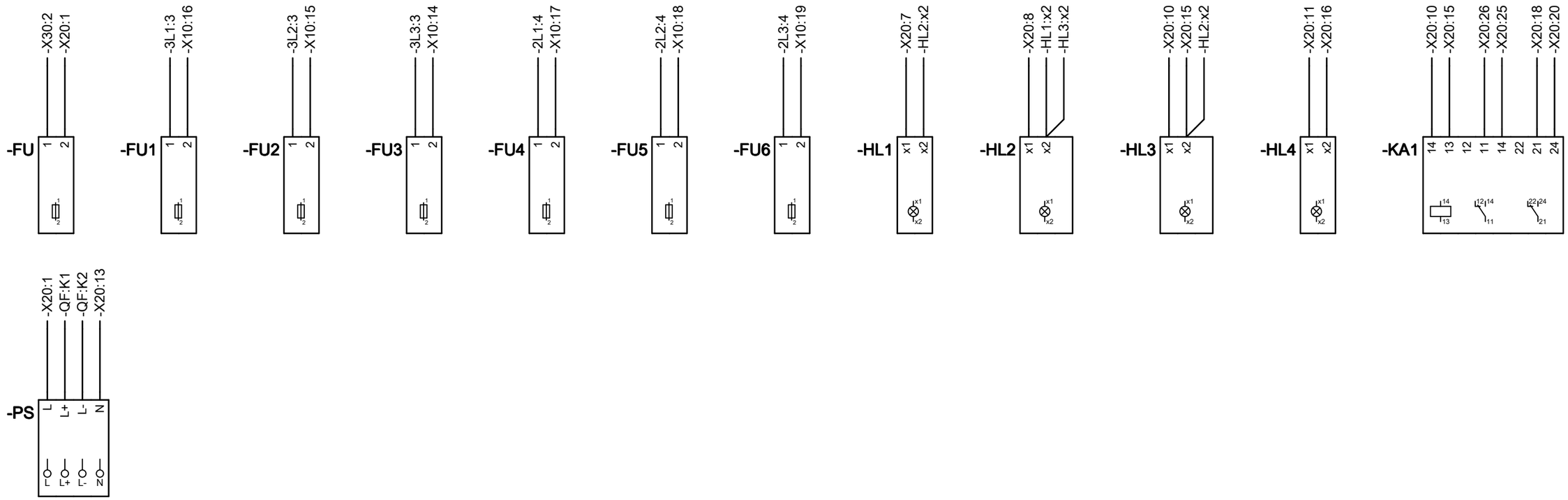
设备连接图/Device Connection Diagram ACB柜内接线图



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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB + BUSCOUPLER_BC
		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UCS1	A3	DRAWING NO. 1TNR003373D3003C REV. C
		DATE						

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

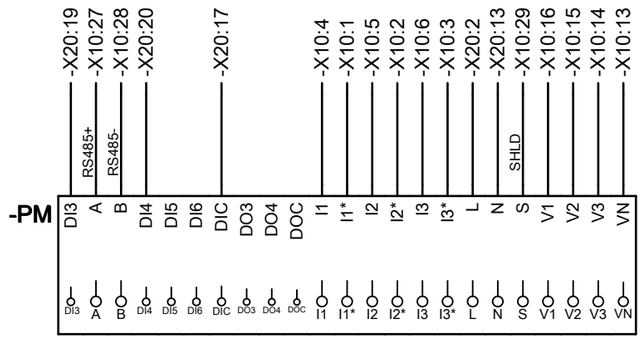


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1 / = ACB / + BUSCOUPLER_BC	SHEET 8 / TOTAL 11
REV.	DESCRIPTION	CHECKED						
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3003C / 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 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UCS1	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UCS1	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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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION BUSCOUPLER_BC	SCALE 1:1	= ACB	SHEET 11
		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UCS1	A3	DRAWING NO. 1TNR003373D3003C	REV. C
		DATE							

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SINGLE LINE & METERING CIRCUIT

380V/230V,3Φ,50Hz

L1
L2
L3
N

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

L1:5 -FU1 6A 1 2 → 101 / 4.1:A

L1:3 -FU2 2A 1 2

L2:3 -FU3 2A 1 2

L3:3 -FU4 2A 1 2

N:3 -X10 → N / 4.1:F

4.3:F VN

-PM
/4.4:B
/4.5:B

V1 V2 V3 VN DO3 DO4 DOC

-X10 11 12 13
RS485+ RS485- SHLD
SHLD
A B S

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

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

PM-101 PM-N
4.1:A 4.2:F

-QF
1 3 5
2 4 6

11 — 12		/4.4:C
13 — 14		/4.5:C
21 — 22		/4.6:B
23 — 24		/4.6:B
33-K13 — 34-K12		/5.2:B
43-K9 — 44-K8		/5.2:C
53-K5 — 54-K4		/1.7:E
98 — 95		/4.6:B
96		
124 — 121		/4.7:B

-X10
1
2
3
4
5
6

-TAa S1 S2 -TAb S1 S2 -TAc S1 S2

PE

LOAD:1 2 3 4

-X20 22 23

-QF Q/9 53-K5 54-K4

-KA 22 24 21 /4.7:E

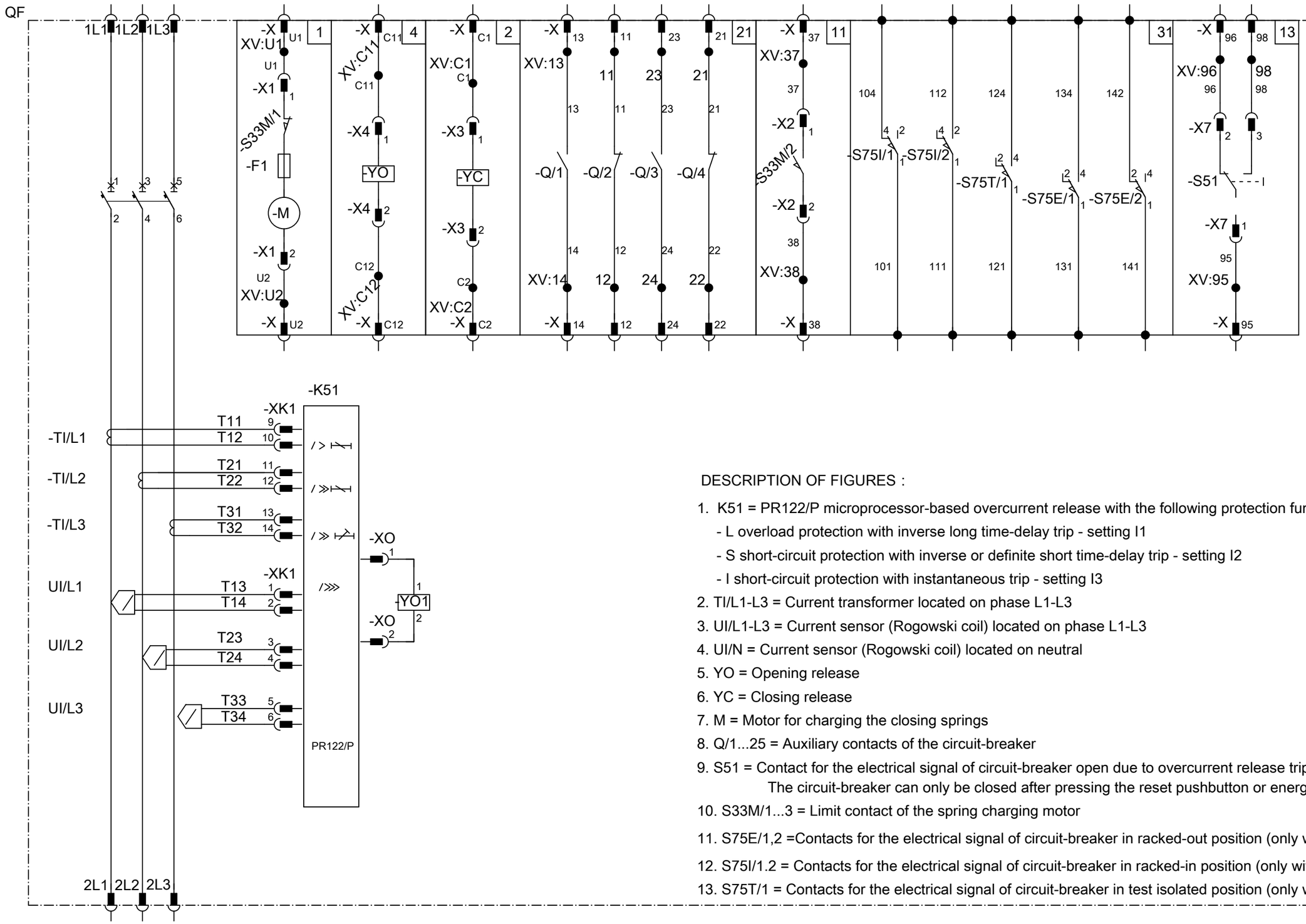
-X20 20 21

QF ON

QF FAULT

REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1	= ACB + Emax Feeder 3P	SHEET 1 TOTAL 10
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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	



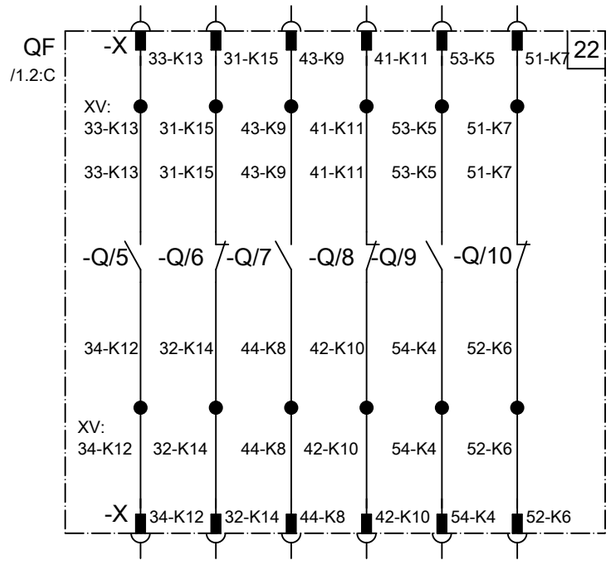
DESCRIPTION OF FIGURES :

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	= ACB	SHEET	2
		CHECKED		SCHEMATIC DIAGRAM			Emax_Feeder_3P		1:1	+ 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UCS1	A3	DRAWING NO.		REV.
		DATE								1TNR003373D3004		C

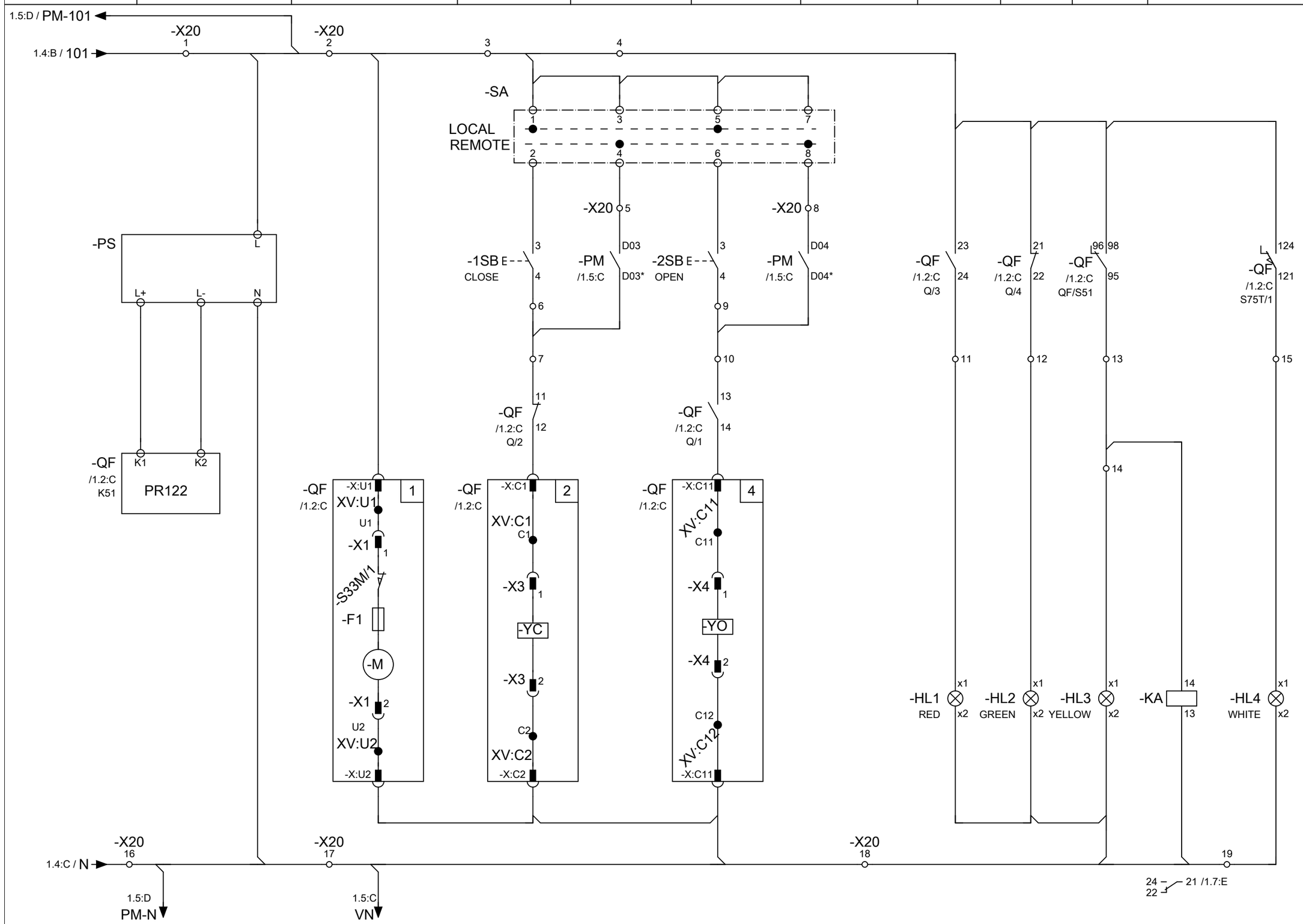
SECOND SET OF AUXILIARY CONTACTS



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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UCS1	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
REV.	DESCRIPTION	CHECKED				SCALE 1:1	= ACB / + Emax Feeder 3P
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	PROJECT NAME	中乌天然气管道压气站UCS1
		DATE		XIAMEN L.V. EQUIPMENT CO.LTD.		A3	DRAWING NO. 1TNR003373D3004

SHEET 4 TOTAL 10 REV. C

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

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

REV.	DESCRIPTION		DRAWN		TITLE		FUNCTION		SCALE		SHEET	
			CHECKED		SCHEMATIC DIAGRAM		Emax_Feeder_3P		1:1	= ACB + Emax Feeder 3P	TOTAL	5 10
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UCS1			1TNR003373D3004		C

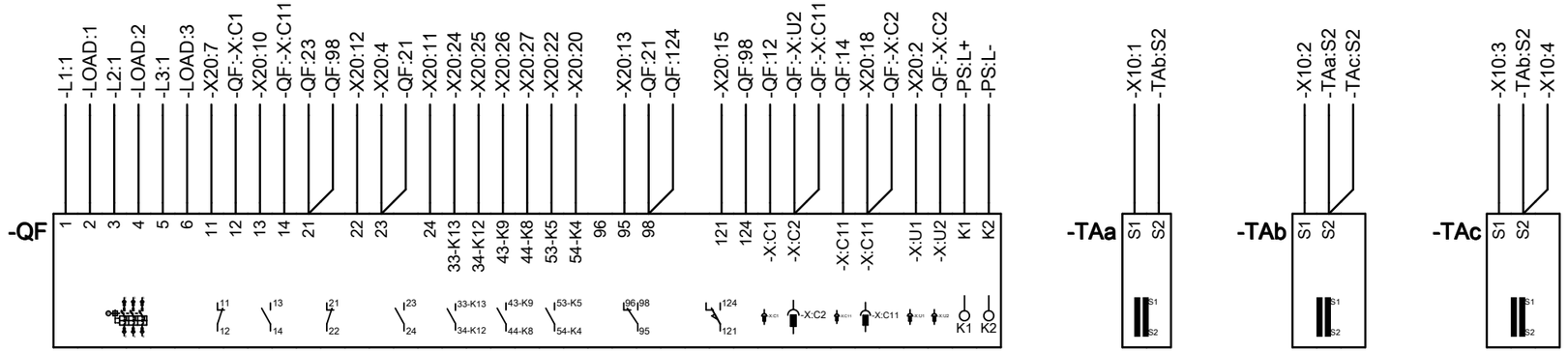
部件清单/Part List

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
-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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REV.	DESCRIPTION		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
CUSTOMER DRAWING NO.		REV.	CHECKED							
			APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3004	REV. C
			DATE							

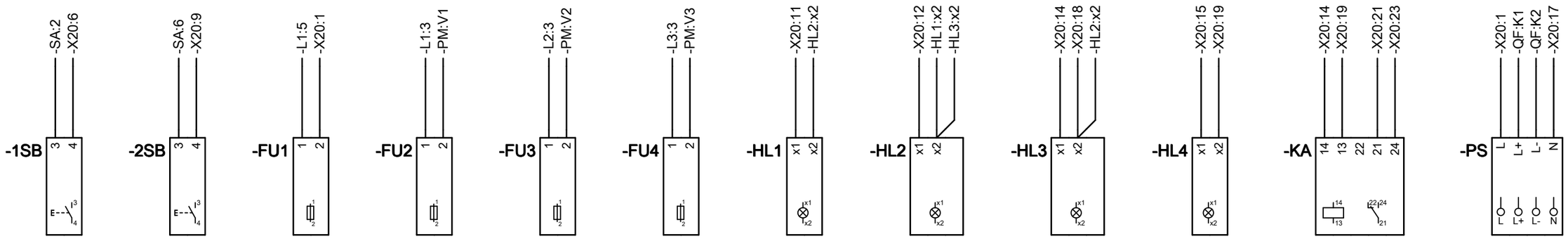
设备连接图/Device Connection Diagram ACB柜内接线图



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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UCS1	A3	DRAWING NO. 1TNR003373D3004 / REV. C
		DATE						

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



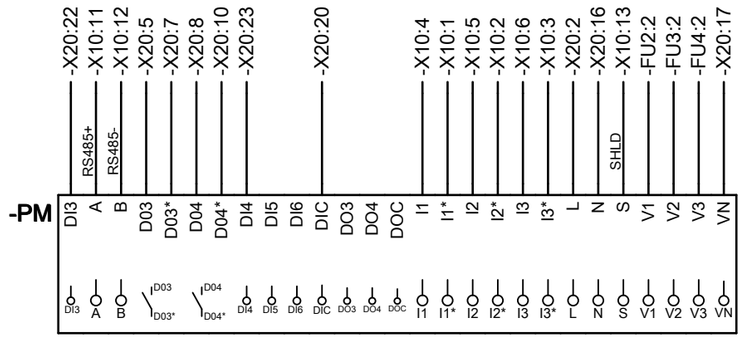


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Emax_Feeder_3P	SCALE 1:1	= ACB + Emax Feeder 3P	SHEET 8 TOTAL 10
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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UCS1	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

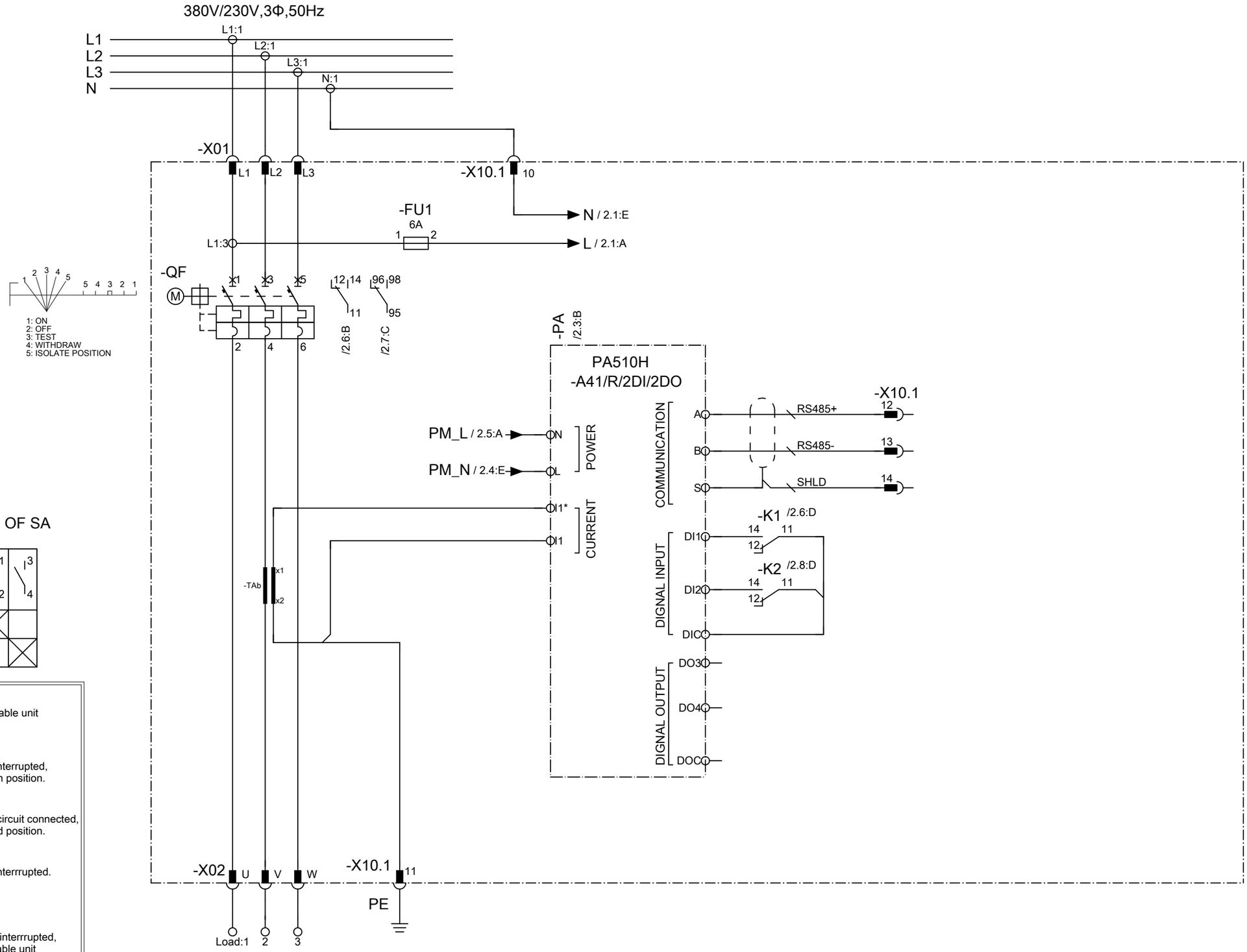
-X20

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UCS1	A3 DRAWING NO. 1TNR003373D3004 REV. C
		APPROVED					
		DATE					

SINGLE LINE DIAGRAM & METERING CIRCUIT



CONTACT TABLE OF SA

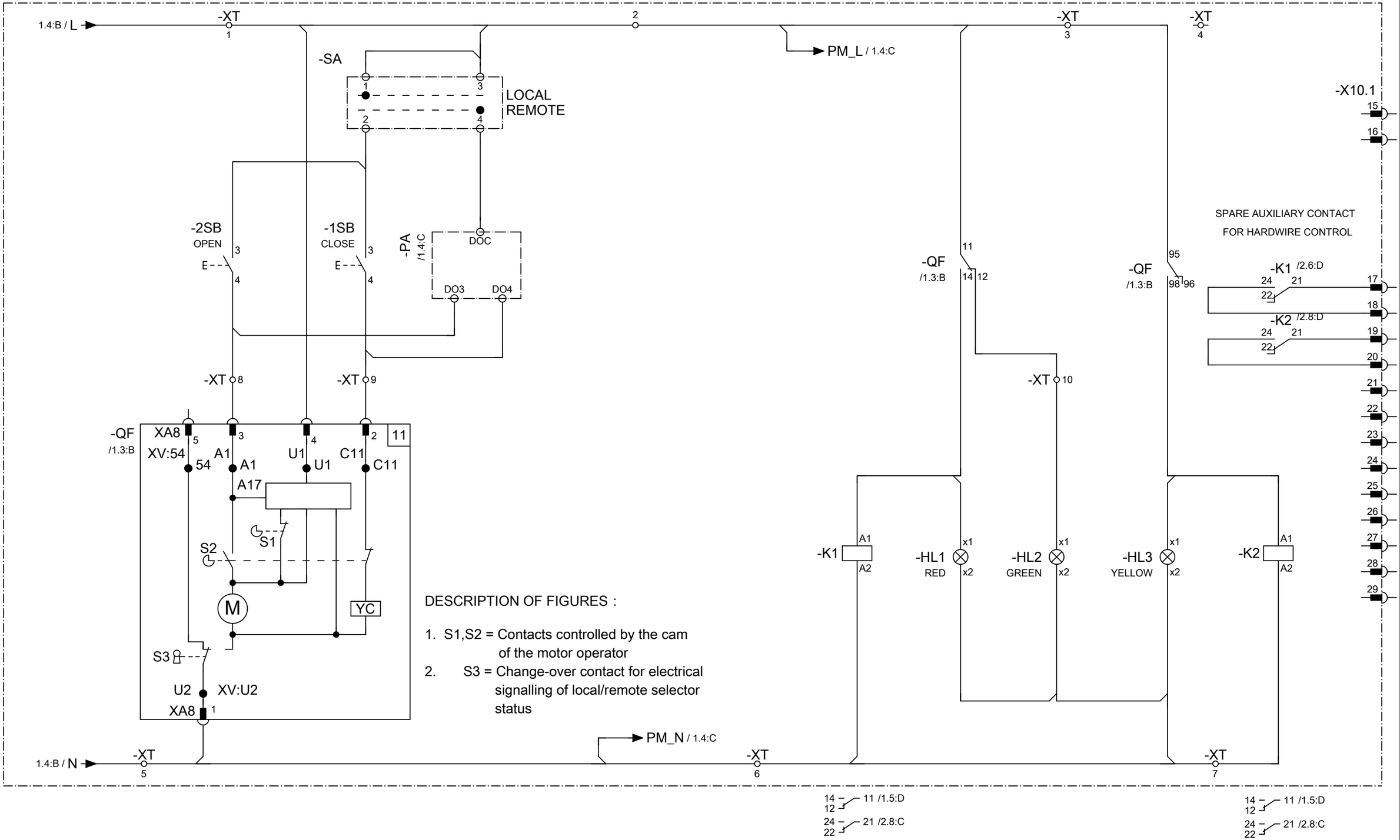
TERMINAL / POSITION	1 2	3 4
LOCAL	X	
REMOTE		X

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UCS1	A3	DRAWING NO. 1TNR003373D3005
		DATE						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_1CT			= W_MODULE	2
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.						+ FD_3P_1CT	TOTAL 7
		DATE		PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.		PROJECT NAME	中乌天然气管道压气站UCS1	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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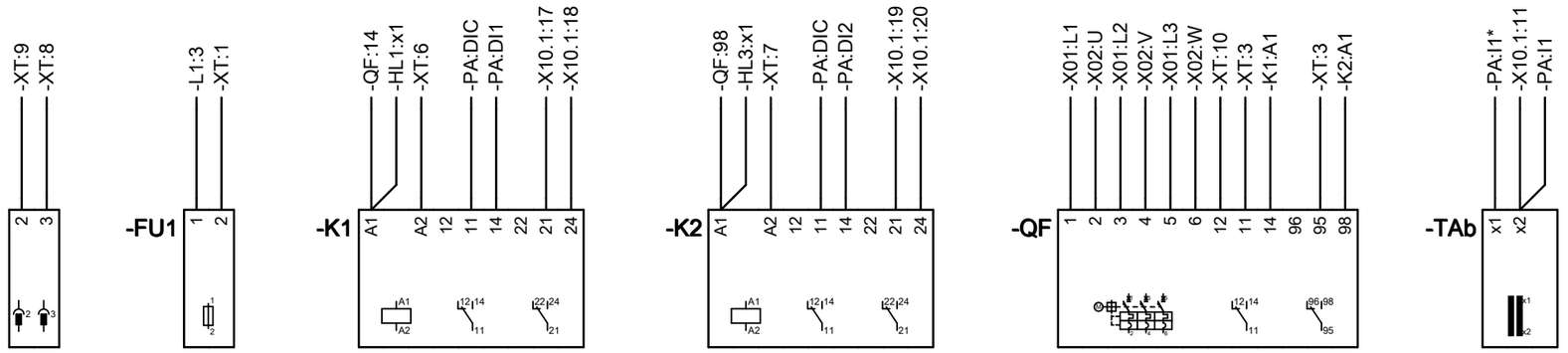
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		DRAWN		TITLE	SCHEMATIC DIAGRAM
		CHECKED			
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373
		DATE			

XIAMEN L.V. EQUIPMENT CO.LTD.

FUNCTION	Tmax_Feeder_3P_MOE_1CT	SCALE	= W_MODULE	SHEET	3
			+ FD_3P_1CT	TOTAL	7
PROJECT NAME	中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3005		REV. B

设备连接图/Device Connection Diagram

抽屉内部接线图

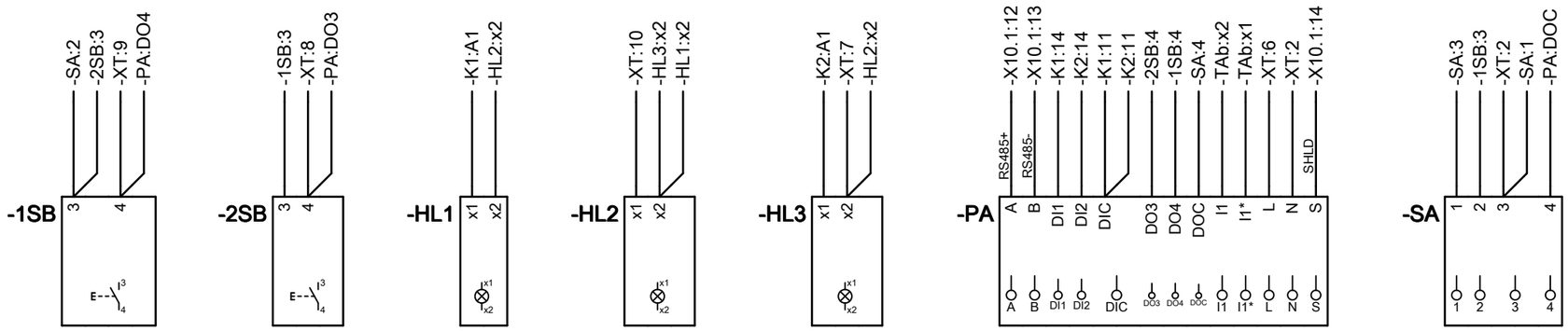


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_1CT	SCALE	= W_MODULE / + FD_3P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 4 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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UCS1	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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REV.	DESCRIPTION				
CUSTOMER DRAWING NO.	REV.	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.
		CHECKED			
		APPROVED		PROJECT NO. PM003373	
		DATE			

FUNCTION	Tmax_Feeder_3P_MOE_1CT	SCALE	= W_MODULE	SHEET 6
			+ FD_3P_1CT	TOTAL 7
PROJECT NAME	中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3005	REV. B

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

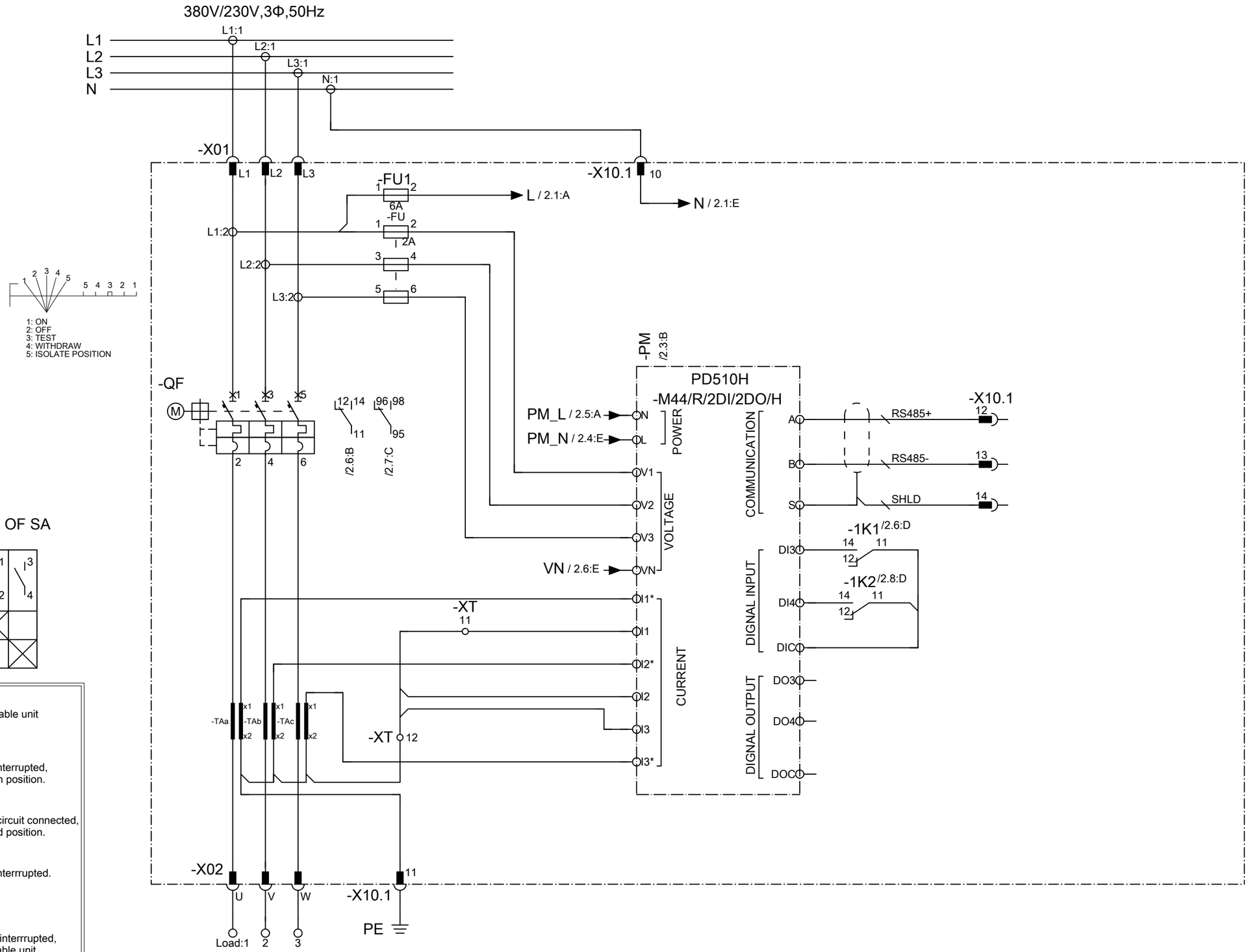
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X02	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:2		U	/1.3:F		-Load:1
-QF:4		V	/1.3:F		-Load:2
-QF:6		W	/1.3:F		-Load:3

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UCS1	A3	DRAWING NO. 1TNR003373D3005 REV. B
		DATE						

SINGLE LINE DIAGRAM & METERING CIRCUIT



CONTACT TABLE OF SA

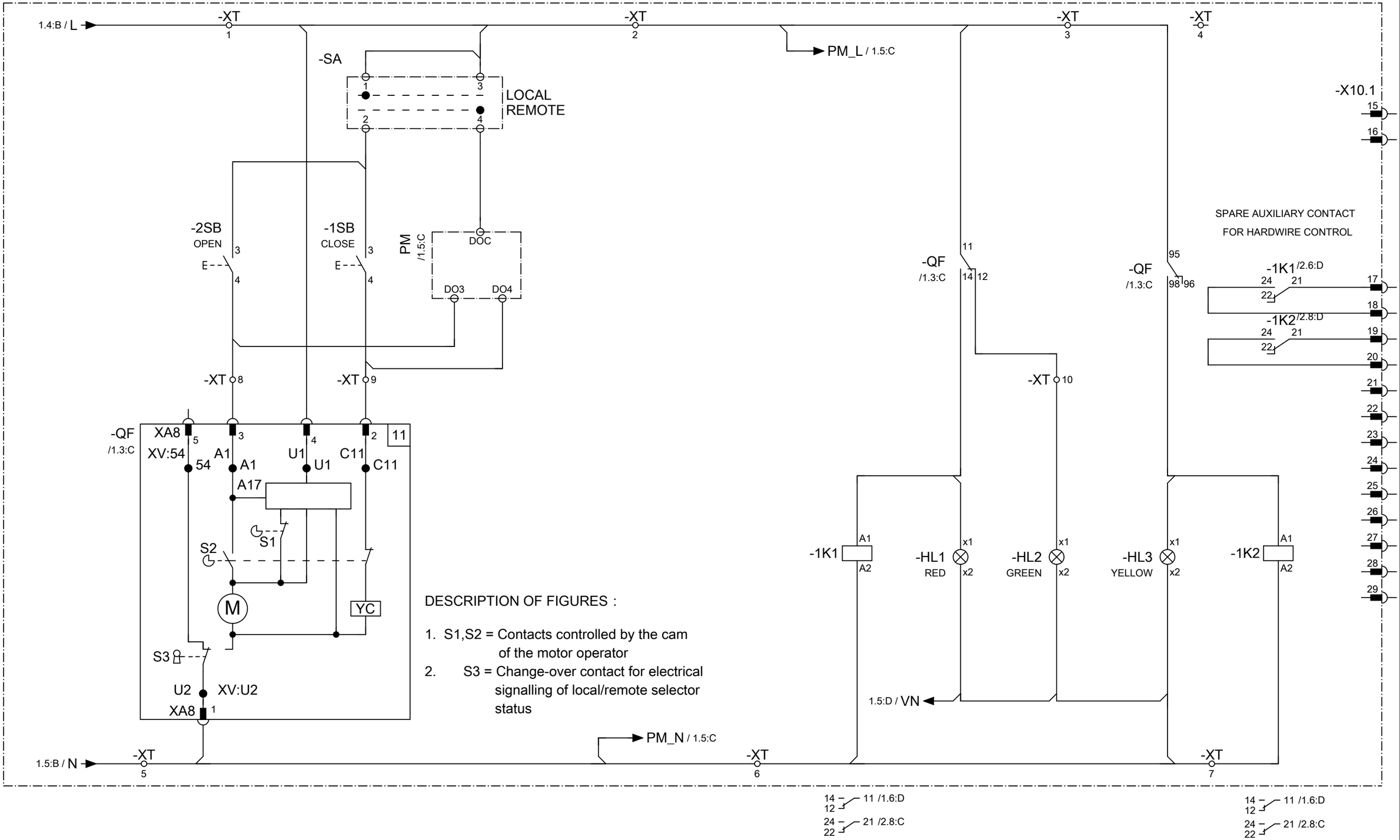
TERMINAL / POSITION	1-2	3-4
LOCAL	X	
REMOTE		X

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UCS1
		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UCS1		A3	DRAWING NO. 1TNR003373D3006	REV. B

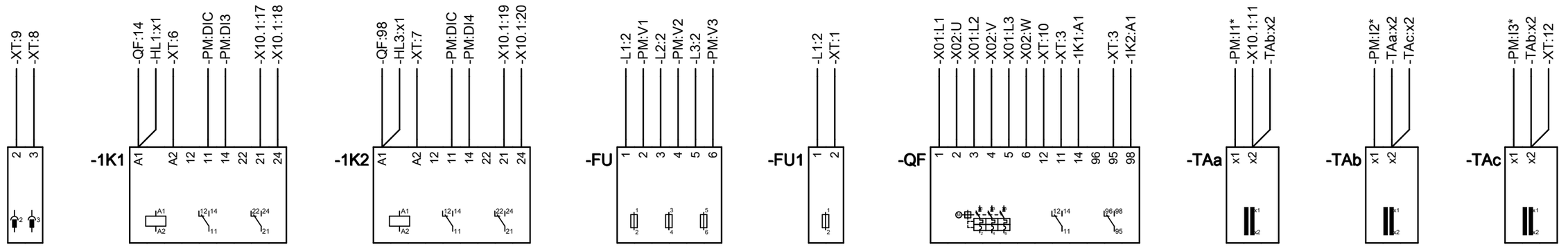
部件清单/Part List

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UCS1	A3	DRAWING NO. 1TNR003373D3006	REV. B
			DATE							

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

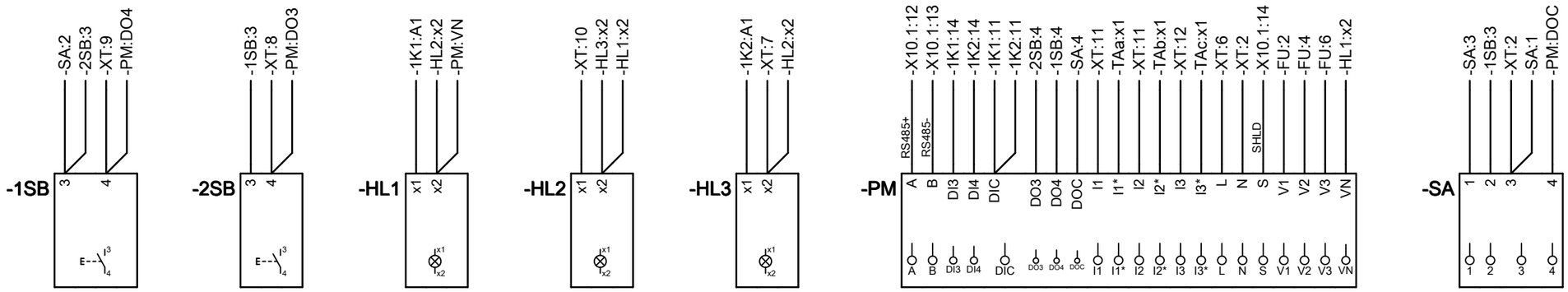


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_3P_MOE_3CT	SCALE	= W_MODULE / + FD_3P_3CT
REV.	DESCRIPTION	CHECKED						SHEET 4 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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UCS1	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	XIAMEN L.V. EQUIPMENT CO.LTD.	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		PROJECT NAME 中乌天然气管道压气站UCS1	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

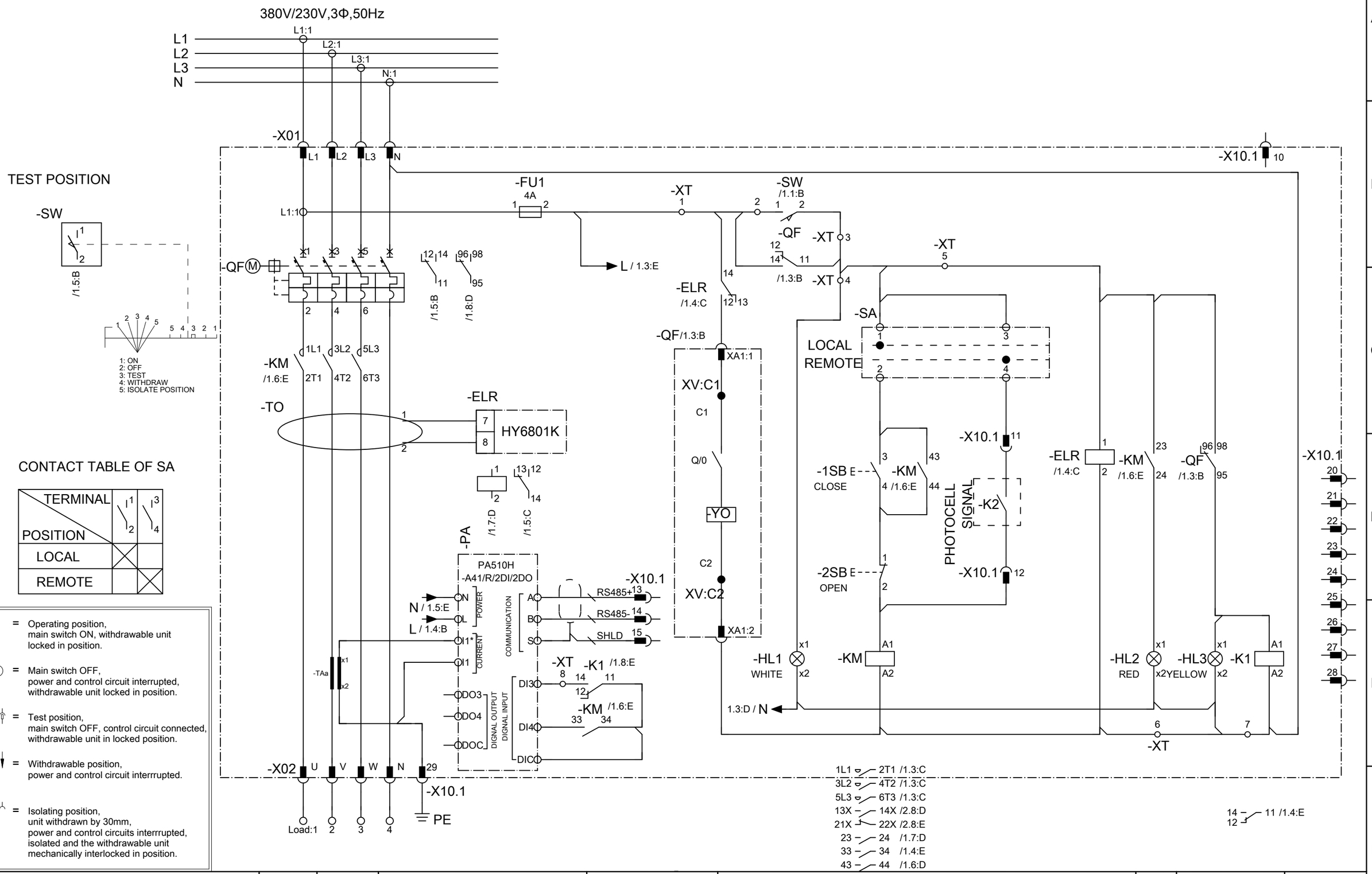
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X02	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:2		U	/1.3:F		-Load:1
-QF:4		V	/1.3:F		-Load:2
-QF:6		W	/1.3:F		-Load:3

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UCS1	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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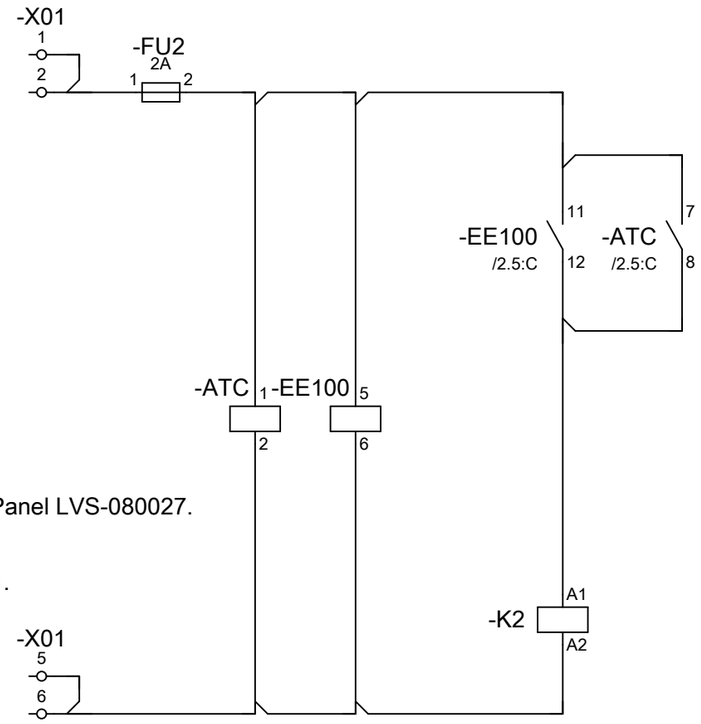
REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM	FUNCTION	Contactor Feeder with Photosensor
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO.	PM003373	PROJECT NAME	中乌天然气管道压气站UCS1
		APPROVED		XIAMEN L.V. EQUIPMENT CO.LTD.		SCALE	= W_MODULE / + CF with Photosensor
		DATE				A3	DRAWING NO. 1TNR003373D3007
						SHEET	1
						TOTAL	7
						REV.	B

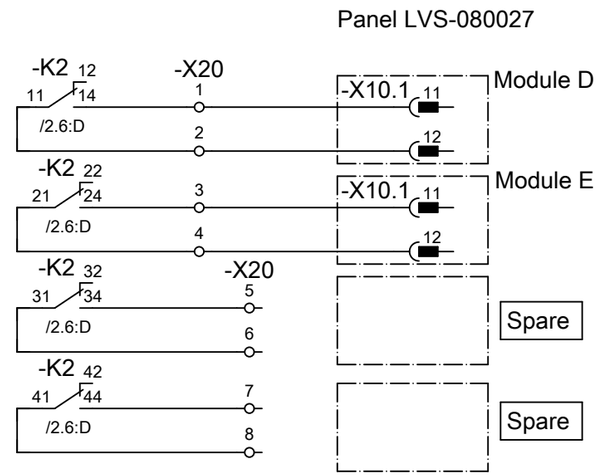
POWER FOR PHOTOSENSITIVE & TIMER RELAY	PHOTOSENSITIVE & TIMER CONTROL SIGNAL EXTEND

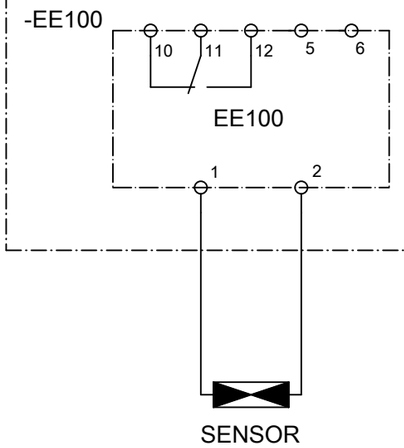
Panel LVS-080027

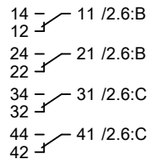
NOTE :

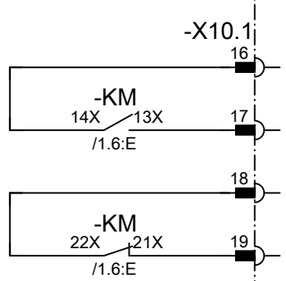
1. Maximum distance between sensor and photosensitive control switch: 50m.
2. Wiring cable size
   For photosensitive control switch: 0.5-4mm2;
   For sensor: 0.75-2.5mm2.
3. -FU2.-K2.-EE100.ATC.-X20 terminal block are installed in the top of Panel LVS-080027.
4. The sensor of EE100 is installed outside 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; TOTAL 7
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3; DRAWING NO. 1TNR003373D3007; REV. B
		APPROVED					
		DATE					

部件清单/Part List

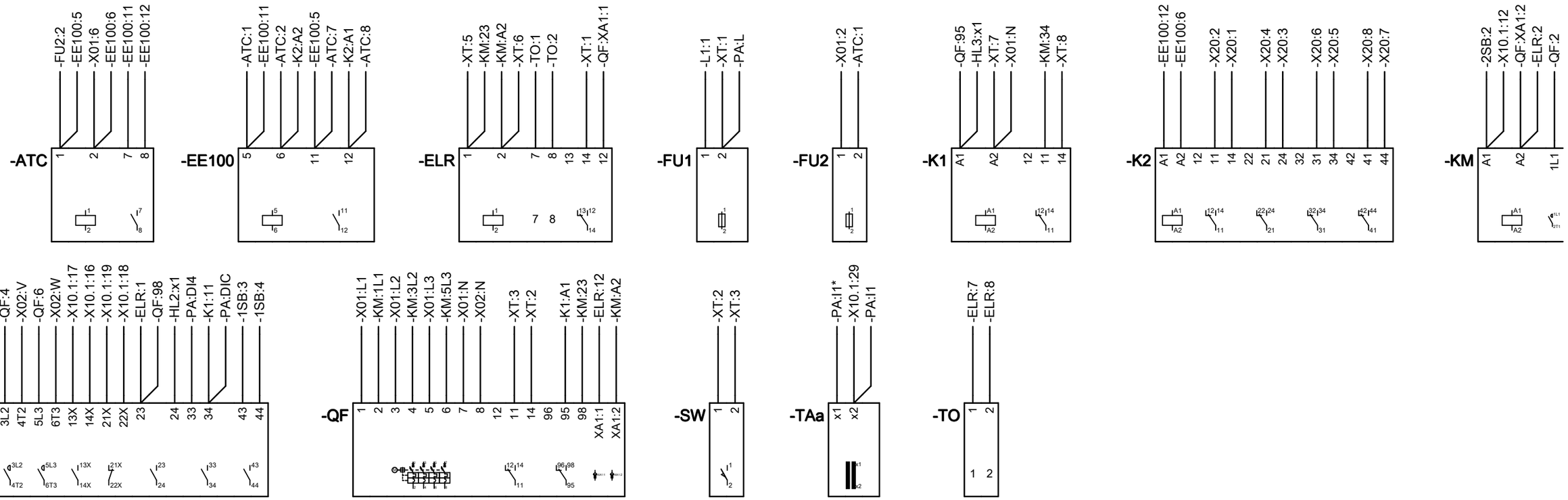
设备标识 Designation	设备名称 Part type	描述 Description	制造商 Manufacturer	数量 Quantity	部件编号 Order Number	页/列 Page/Row
-1SB	Push Button	M P1-10G,Green	ABB	1	1SFA611100R1002	=W_MODULE+CF with Photosensor/1.6:D
-1SB	Push Button Holder	MCBH-00 Holder for Three Blocks	ABB	1	1SFA611605R1100	=W_MODULE+CF with Photosensor/1.6:D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

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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 3
			CHECKED						+ CF with Photosensor	TOTAL 7
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3007	REV. B
			DATE							

设备连接图/Device Connection Diagram

抽屉内部接线图

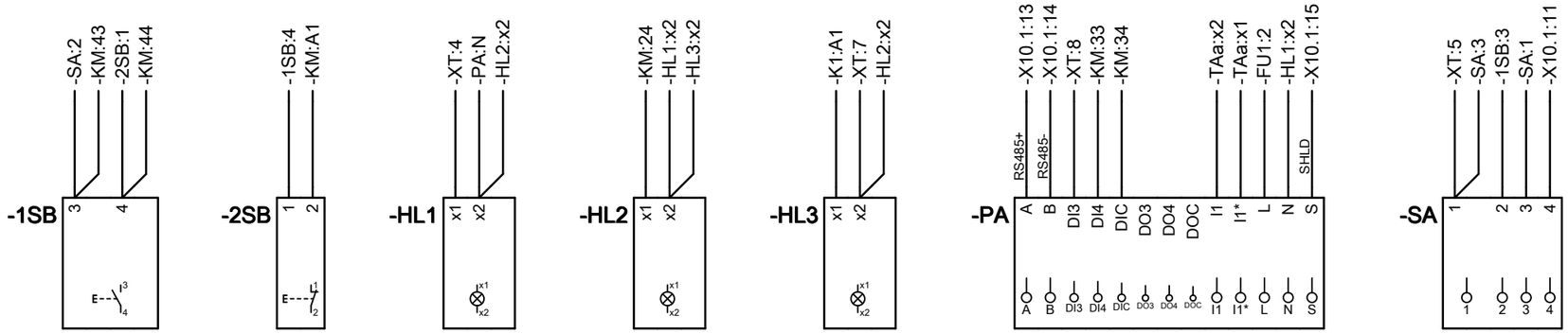


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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Contactor Feeder with Photosensor	SCALE = W_MODULE / + CF with Photosensor	SHEET 4 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3007 / 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
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UCS1	A3	DRAWING NO. 1TNR003373D3007 / 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 D-X10.1:11	/2.7:B
-K2:11		2	-		-Module D-X10.1:12	/2.7:B
-K2:24		3	-		-Module E-X10.1:11	/2.7:B
-K2:21		4	-		-Module E-X10.1:12	/2.7:C
-K2:34		5	-			/2.7:C
-K2:31		6	-			/2.7:C
-K2:44		7	-			/2.7:C
-K2:41		8	-			/2.7:C

-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
-ELR:1		5	●		-SA:1	/1.6:B
-ELR:2		6	●			/1.7:E
-K1:A2		7	●		-HL3:x2	/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	TOTAL 7
CUSTOMER DRAWING NO.		REV.		APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3007	REV. B
				DATE							

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
-QF:7;-K1:A2		N	/1.3:B		-N: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
-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

-X10.1

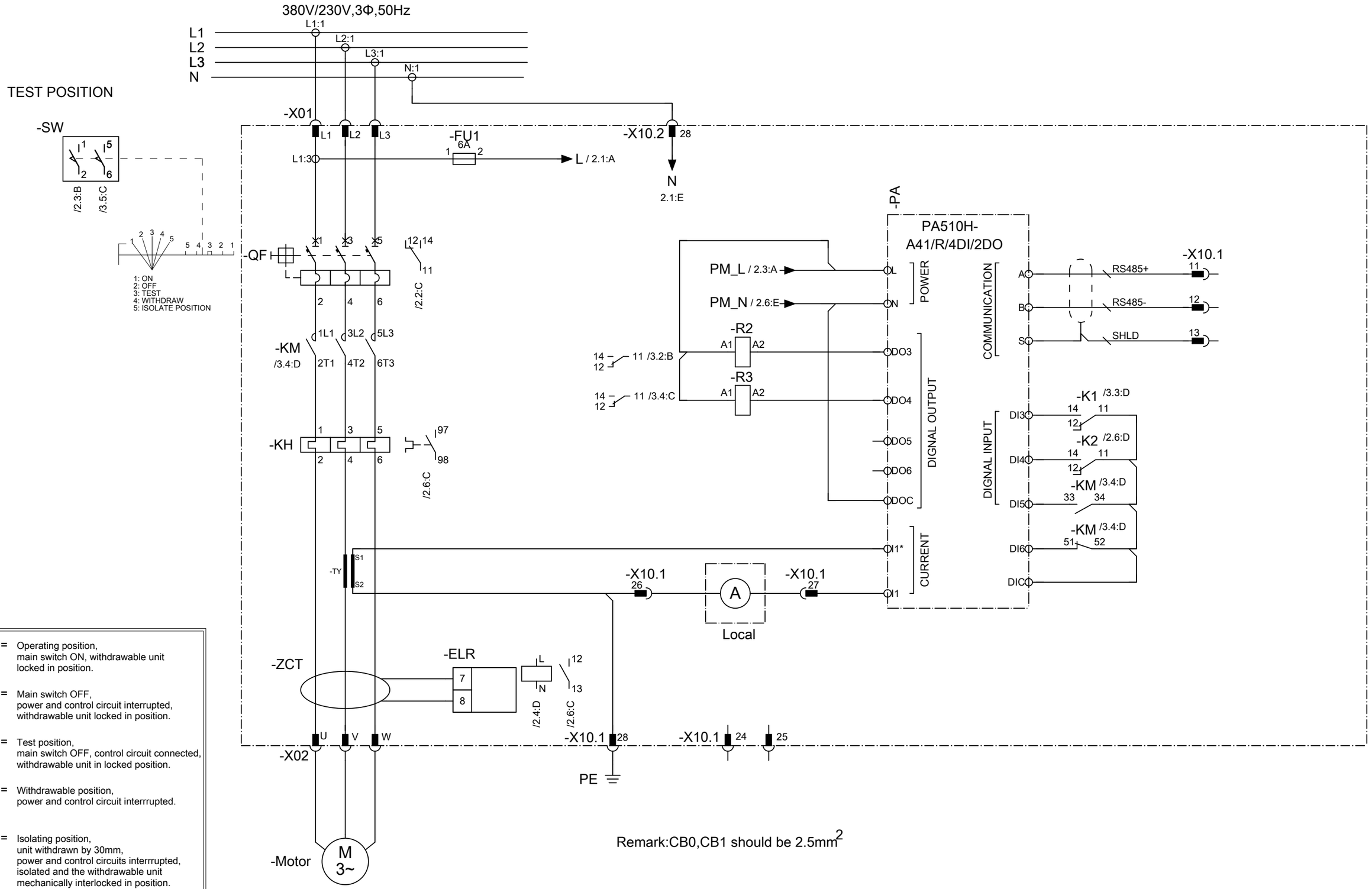
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No.	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
		10	/1.8:B		
-SA:4		11	/1.7:D		-PHOTOCELL SIGNAL-K2
-KM:A1		12	/1.7:D		-PHOTOCELL SIGNAL-K2
-PA:A	RS485+	13	/1.5:D		
-PA:B	RS485-	14	/1.5:E		
-PA:S	SHLD	15	/1.5:E		
-KM:14X		16	/2.8:D		
-KM:13X		17	/2.8:D		
-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		

-TAa:x2	29	/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 / TOTAL 7
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3007 / REV. B
		APPROVED						
		DATE						

SINGLE LINE DIAGRAM & METERING CIRCUIT

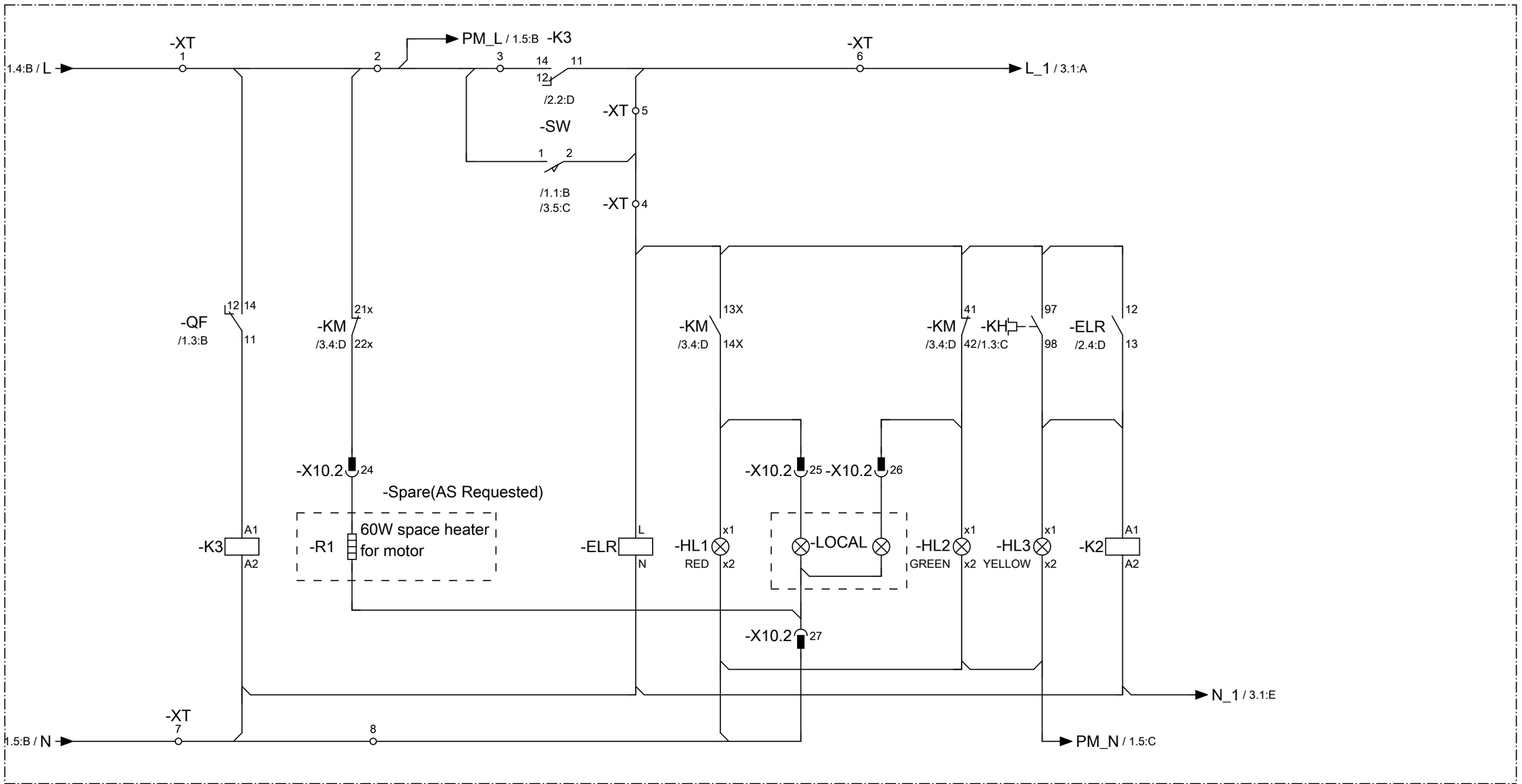


1. I = Operating position, main switch ON, withdrawable unit locked in position.
2. ◯ = Main switch OFF, power and control circuit interrupted, withdrawable unit locked in position.
3. = Test position, main switch OFF, control circuit connected, withdrawable unit in locked position.
4. = Withdrawable 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UCS1			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

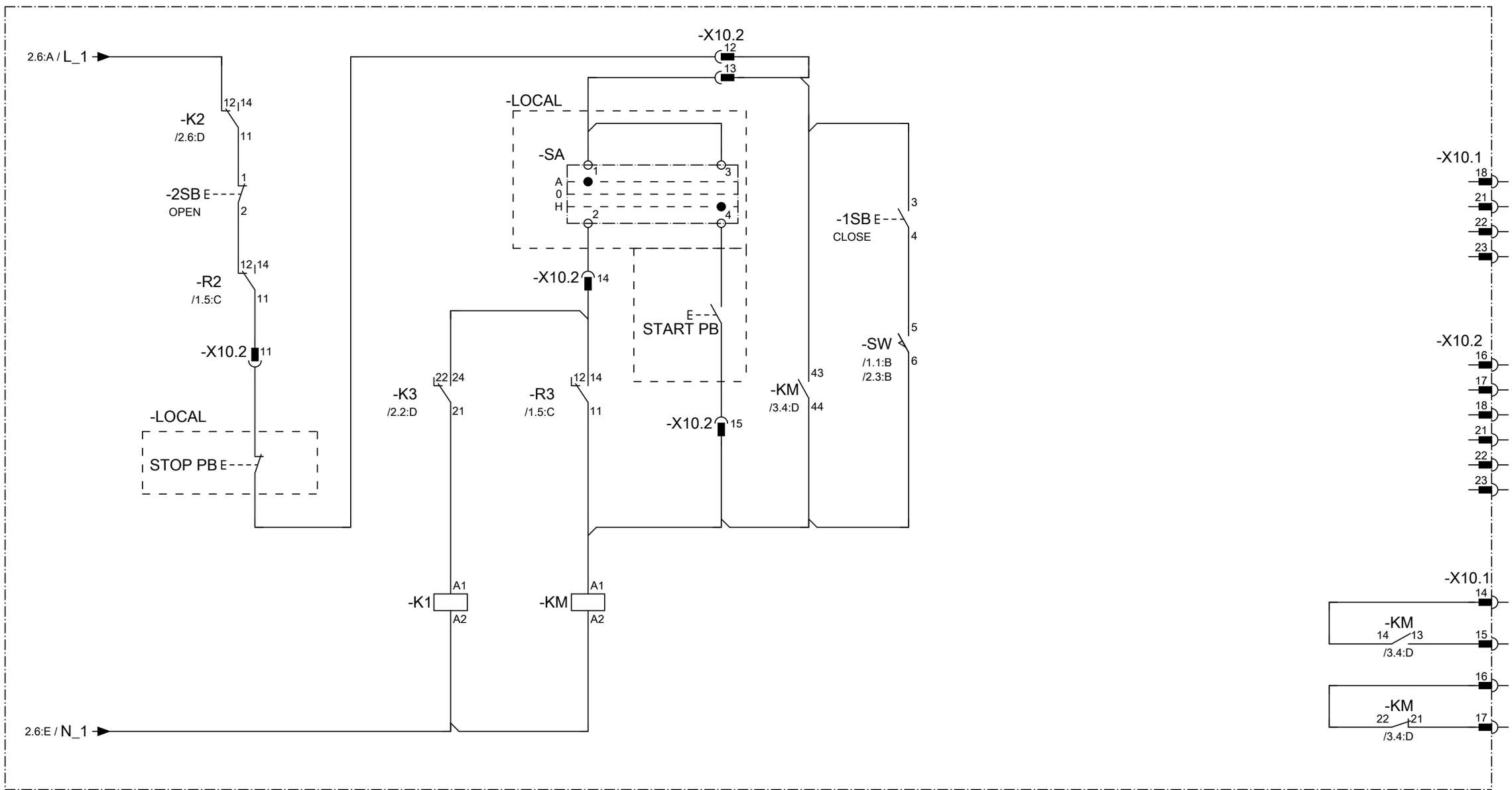
12 13 /2.6:C

14 12 11 /1.7:D
14 12 11 /3.2:B

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REV.	DESCRIPTION	DRAWN		TITLE		FUNCTION		SCALE	= W_MODULE	SHEET	2
		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UCS1			1TNR003373D3008		B

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UCS1	A3	DRAWING NO. 1TNR003373D3008	REV.	B
		DATE										

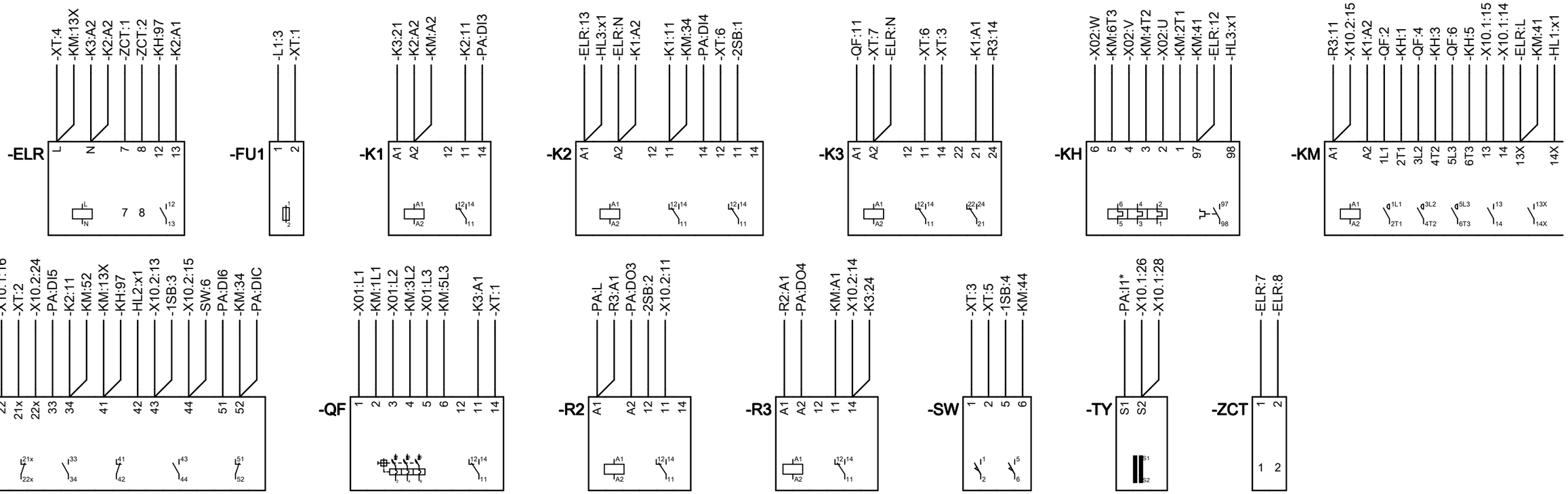
部件清单/Part List

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+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UCS1	A3	DRAWING NO. 1TNR003373D3008	REV. B
			APPROVED							
			DATE							

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

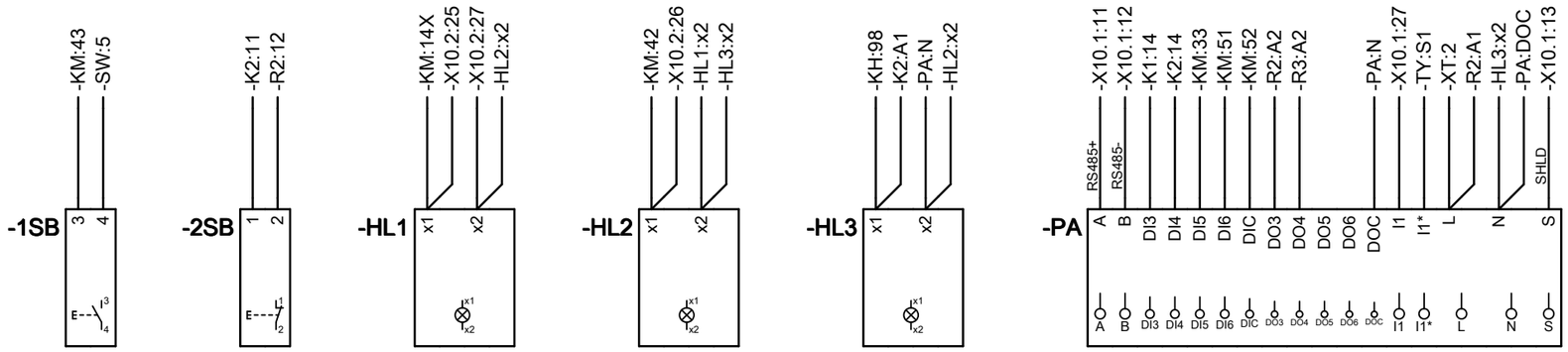


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Motor Control	SCALE 1:1	= W_MODULE + Motor Control
REV.	DESCRIPTION	CHECKED						SHEET 5 TOTAL 8
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	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UCS1	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
-K3:A2		7	●		-X10.2:28	/2.2:E
		8	●		-X10.2:27	/2.3:E

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

FUNCTION	Motor Control	SCALE 1:1	= W_MODULE + Motor Control	SHEET 7 TOTAL 8
PROJECT NAME	中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3008	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		26	/1.4:D		
-PA:I1		27	/1.5:D		
-TY:S2		28	/1.4:E		-PE

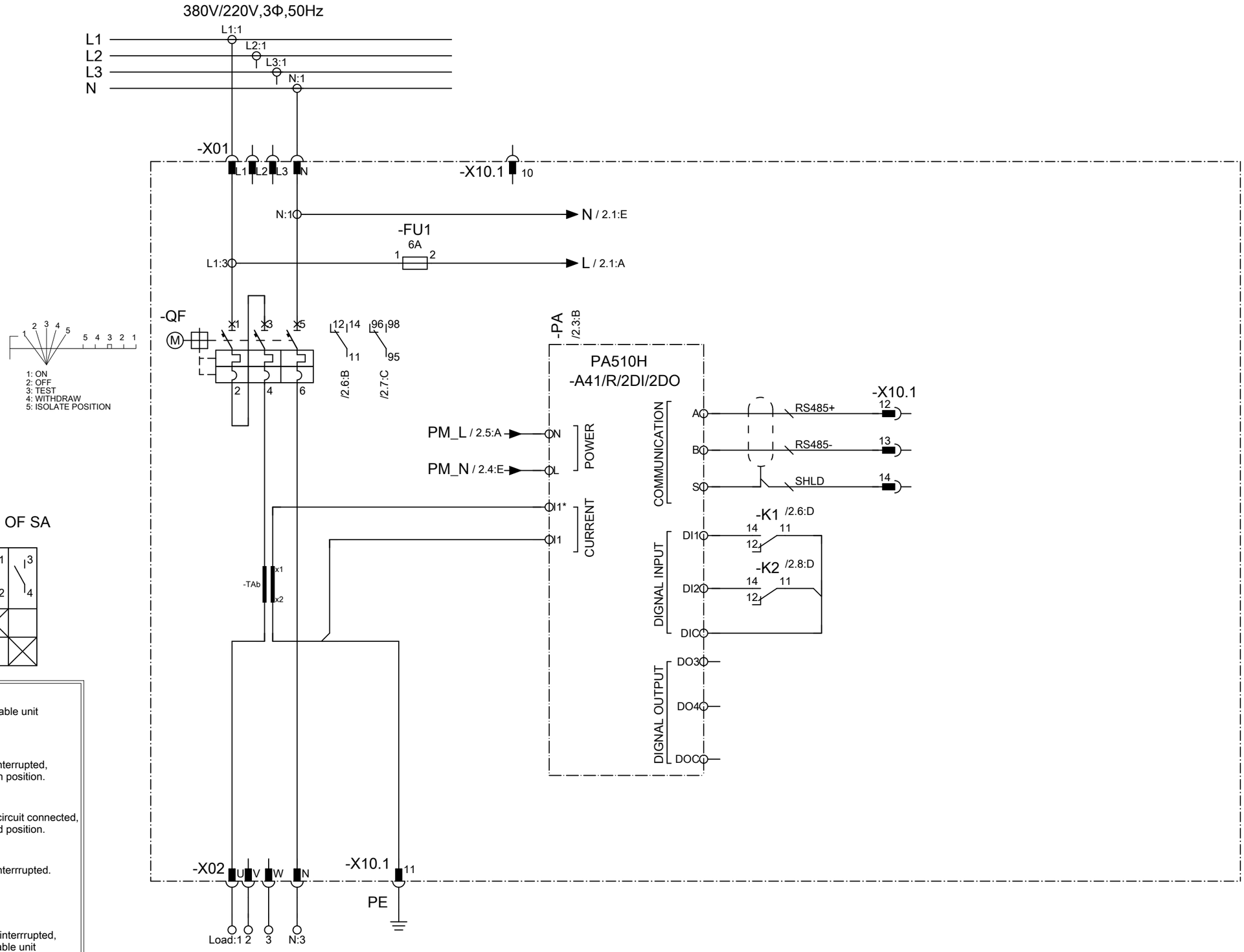
-X10.2

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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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Motor Control	SCALE 1:1	= W_MODULE / + Motor Control
REV.	DESCRIPTION	CHECKED						SHEET 8 / TOTAL 8
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3008 / REV. B
		DATE						

SINGLE LINE DIAGRAM & METERING CIRCUIT



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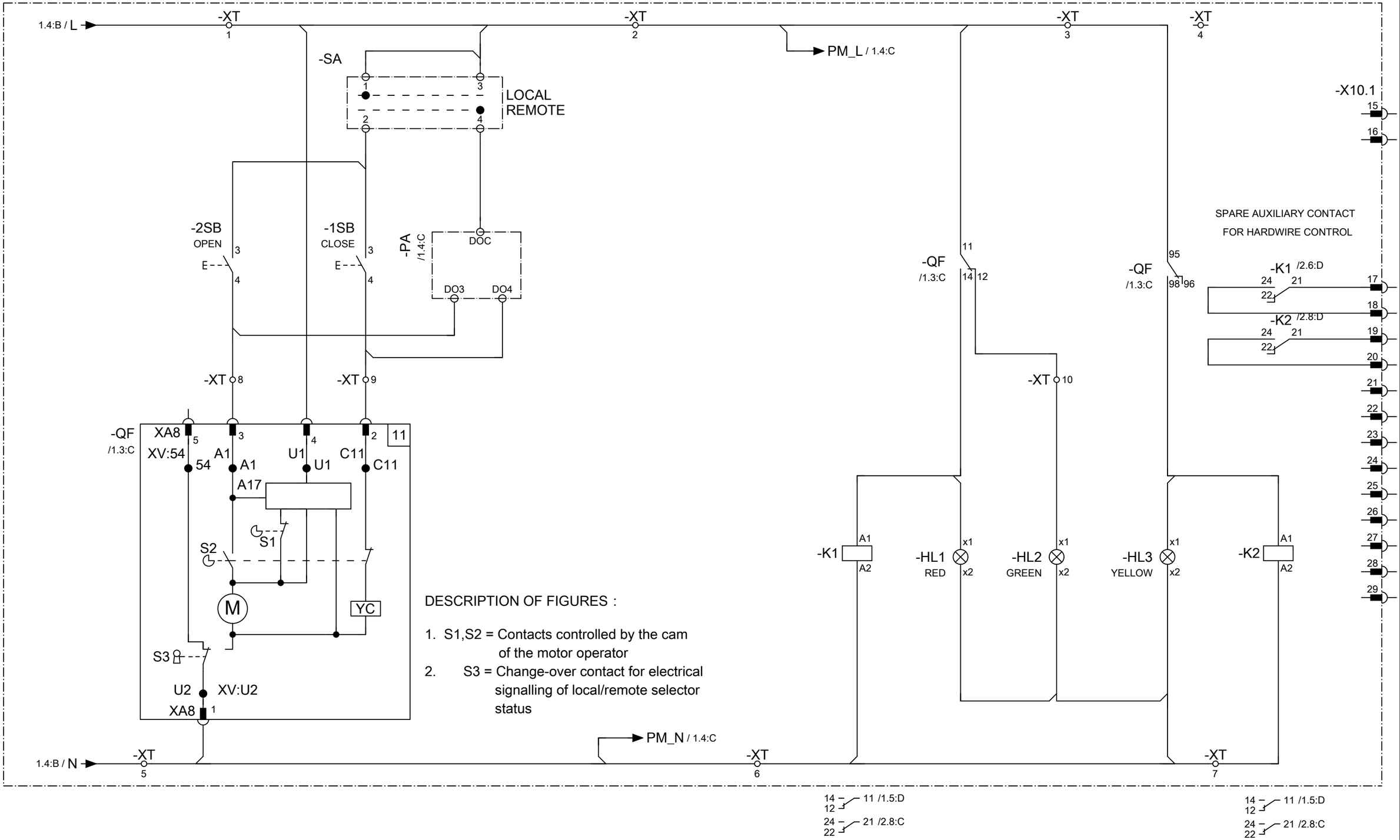
CONTACT TABLE OF SA

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UCS1	A3	DRAWING NO. 1TNR003373D3009 / 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	= W_MODULE	SHEET 2
		CHECKED		SCHEMATIC DIAGRAM			Tmax_Feeder_1P_MOE_1CT		1:1	+ FD_1P_1CT	TOTAL 7
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UCS1			1TNR003373D3009	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_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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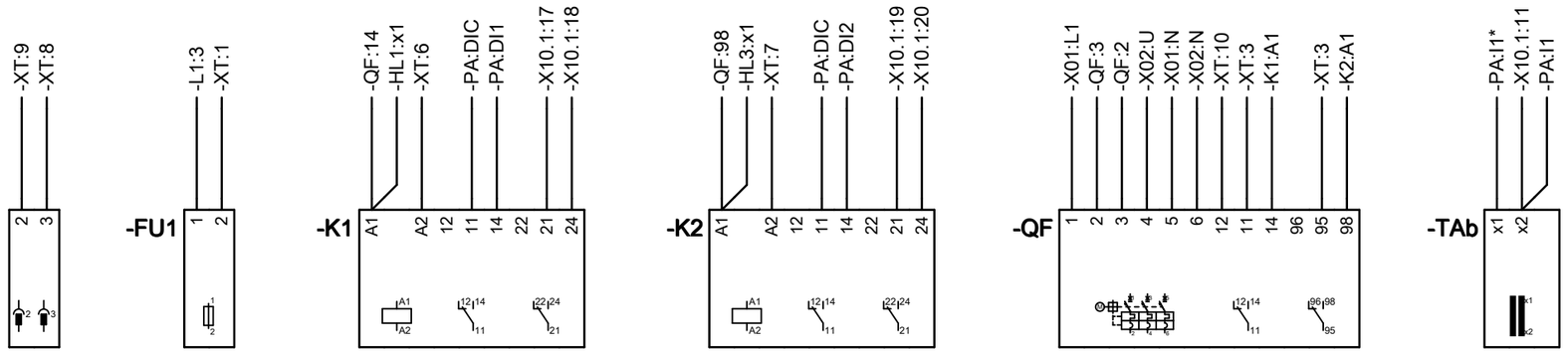
REV.	DESCRIPTION				
		DRAWN		TITLE	SCHEMATIC DIAGRAM
		CHECKED			
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373
		DATE			

XIAMEN L.V. EQUIPMENT CO.LTD.

FUNCTION	Tmax_Feeder_1P_MOE_1CT	SCALE 1:1	= W_MODULE + FD_1P_1CT
PROJECT NAME	中乌天然气管道压气站UCS1	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

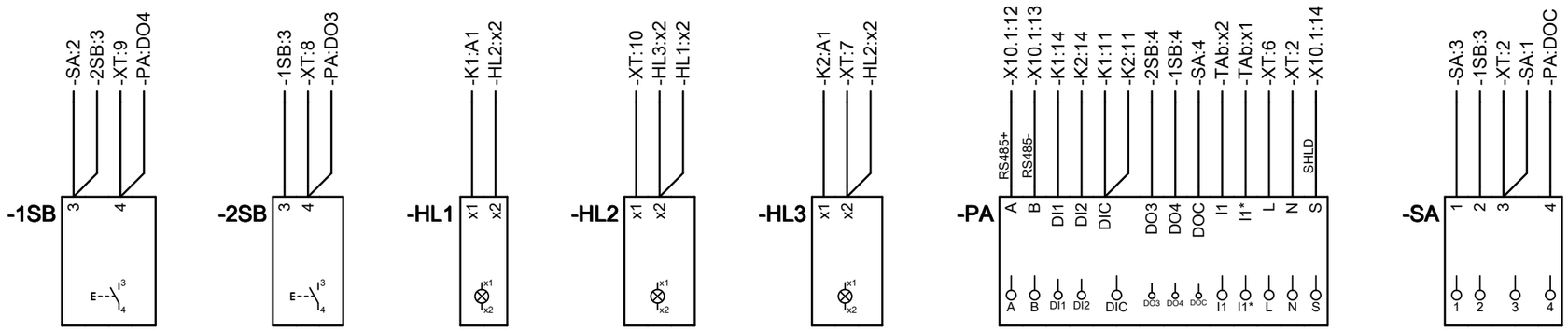


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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Tmax_Feeder_1P_MOE_1CT	SCALE 1:1	= W_MODULE + FD_1P_1CT
REV.	DESCRIPTION	CHECKED						SHEET 4 TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3009 / 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_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UCS1	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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REV.	DESCRIPTION			
CUSTOMER DRAWING NO.		REV.		

DRAWN
CHECKED
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UCS1

SCALE: 1:1
= W_MODULE
+ FD_1P_1CT
SHEET 6
TOTAL 7
A3
DRAWING NO.: 1TNR003373D3009
REV.: B

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

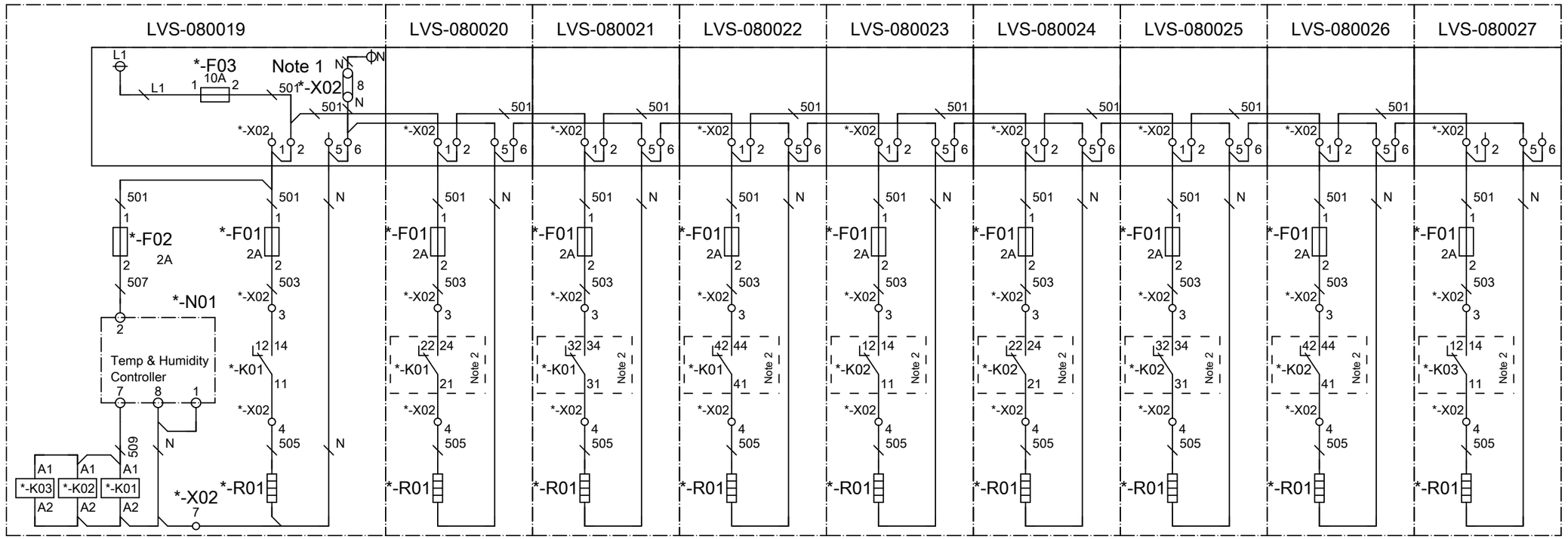
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X02	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
-QF:6		N	/1.3:F		-N:3
-QF:4		U	/1.3:F		-Load:1
		V	/1.3:F		-Load:2
		W	/1.3:F		-Load:3

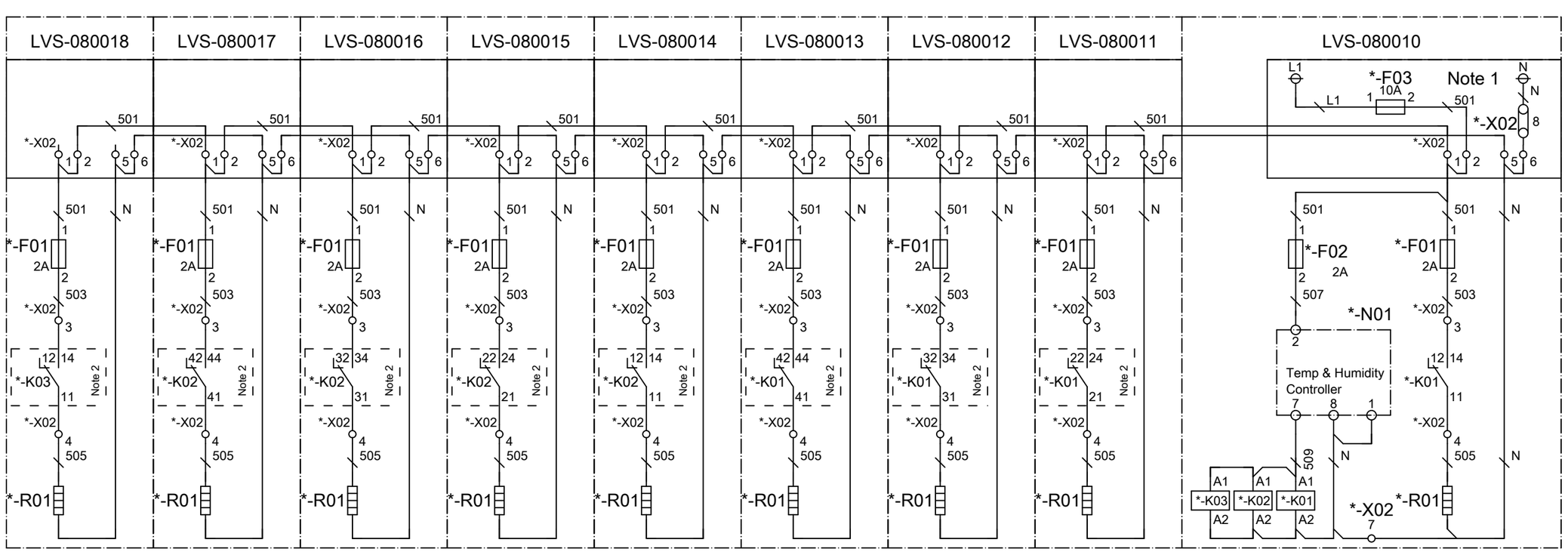
目标代号 Connect Objects	连接线号 Wire Number	端子号 Terminal No. -X10.1	页/列 Page/Row	连接线号 Wire Number	目标代号 Connect Objects
		10	/1.4:B		
-TAb:x2		11	/1.4:F		-PE
-PA:A	RS485+	12	/1.6:C		
-PA:B	RS485-	13	/1.6:C		
-PA:S	SHLD	14	/1.6:D		
		15	/2.8:B		
		16	/2.8:B		
-K1:21		17	/2.8:C		
-K1:24		18	/2.8:C		
-K2:21		19	/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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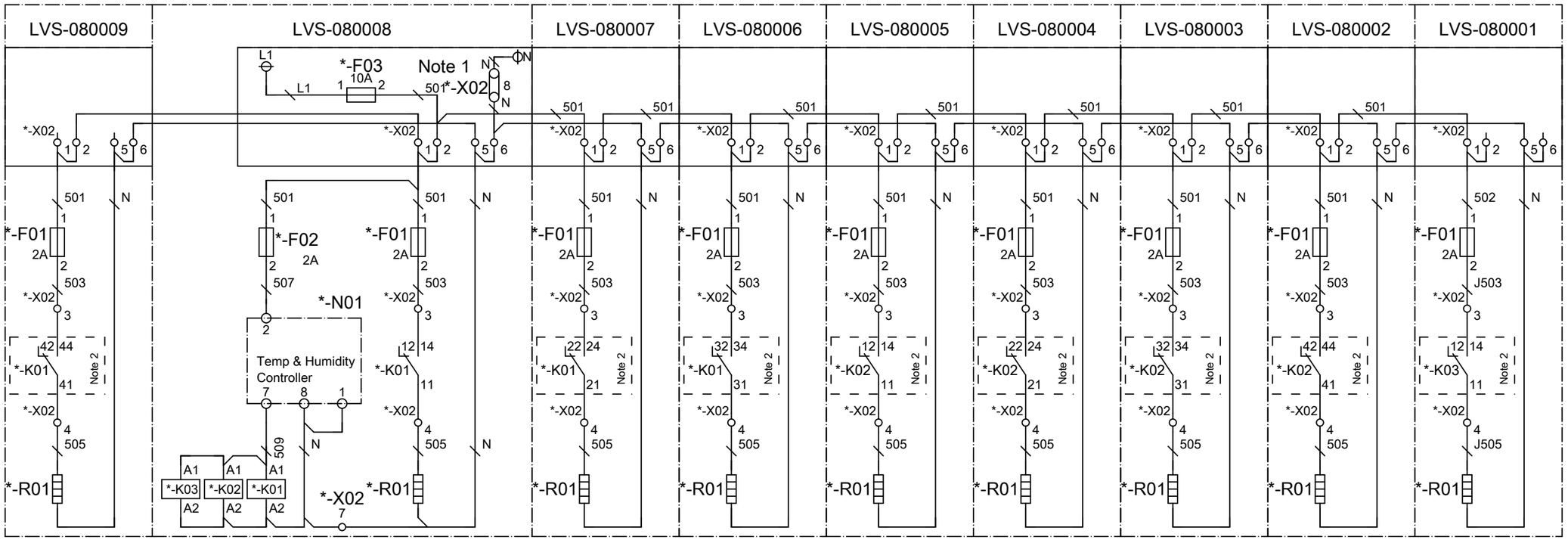
REV.	DESCRIPTION	DRAWN		TITLE	SCHEMATIC DIAGRAM		FUNCTION	Tmax_Feeder_1P_MOE_1CT	SCALE 1:1	= W_MODULE	SHEET 7
		CHECKED								+ FD_1P_1CT	TOTAL 7
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO.	PM003373	XIAMEN L.V. EQUIPMENT CO.LTD.	PROJECT NAME	中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D3009	REV. B
		DATE									

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REV.	DESCRIPTION	DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS1	SCALE 1:1	= Heater + HEATER_UCS1	SHEET 1 TOTAL 6
CUSTOMER DRAWING NO.	REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D4001	REV. B
		APPROVED							
		DATE							



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

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		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS1	SCALE 1:1	= Heater + HEATER_UCS1	SHEET 2 TOTAL 6
REV.	DESCRIPTION	CHECKED							
CUSTOMER DRAWING NO.	REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D4001	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
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.7:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.7:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.7:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.7:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.7:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.7:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.6:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.6:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.6:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.5:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.5:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.5:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.5:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.5:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.5:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.4:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.4:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.4:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.4:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.4:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.4:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.3:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.3:B
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.2:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.2:B
-LVS-0800	Fuse	RT14-20-10A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100016R1	=Heater+HEATER_UCS1/2.3:A
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.3:A
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/2.2:C
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/2.2:C
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/2.2:C
-LVS-0800	Tem. & hum. con.	WSK-HS(TH),AC220V,Temperature and humidity controller	YUANZHENG	1	1TNR060100549R1	=Heater+HEATER_UCS1/2.2:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.3:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/2.1:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/2.1:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/2.1:C

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS1	SCALE 1:1	= Heater	SHEET 3
			CHECKED						+ HEATER_UCS1	TOTAL 6
CUSTOMER DRAWING NO.		REV.	APPROVED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D4001	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
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.7:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.7:E
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.6:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.6:E
-LVS-0800	Fuse	RT14-20-10A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100016R1	=Heater+HEATER_UCS1/1.7:D
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.7:D
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/1.6:F
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/1.6:F
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/1.6:F
-LVS-0800	Tem. & hum. con.	WSK-HS(TH),AC220V,Temperature and humidity controller	YUANZHENG	1	1TNR060100549R1	=Heater+HEATER_UCS1/1.6:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.7:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.6:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.6:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.6:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.5:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.5:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.5:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.4:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.4:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.4:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.4:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.4:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.4:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.3:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.3:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.3:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.3:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.3:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.3:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.2:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.2:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.2:F
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.1:E
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.1:E
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.1:F

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS1	SCALE 1:1	= Heater + HEATER_UCS1	SHEET 4 TOTAL 6
CUSTOMER DRAWING NO.		REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D4001	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
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.2:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.2:B
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.2:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.2:B
-LVS-0800	Fuse	RT14-20-10A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100016R1	=Heater+HEATER_UCS1/1.2:A
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.2:A
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/1.2:C
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/1.1:C
-LVS-0800	Interface Relay	CR-M230AC4+CR-M4SS+CR-MH,230VAC	ABB	1	1TNR101001R1038	=Heater+HEATER_UCS1/1.1:C
-LVS-0800	Tem. & hum. con.	WSK-HS(TH),AC220V,Temperature and humidity controller	YUANZHENG	1	1TNR060100549R1	=Heater+HEATER_UCS1/1.1:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.2:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.3:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.3:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.3:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.3:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.3:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.3:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.4:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.4:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.4:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.5:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.5:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.5:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.5:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.5:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.5:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.6:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.6:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.6:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.7:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.7:B
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.7:C
-LVS-0800	Fuse	RT14-20-2A,10*38,gG,AC690V,100KA	SHANGTAO	1	1TNR030100020R1	=Heater+HEATER_UCS1/1.7:B
-LVS-0800	Fuse Holder	E91/32,FUSE HOLDER	ABB	1	2CSM200923R1801	=Heater+HEATER_UCS1/1.7:B

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM	XIAMEN L.V. EQUIPMENT CO.LTD.	FUNCTION Heater for UCS1	SCALE 1:1	= Heater + HEATER_UCS1	SHEET 5 TOTAL 6
CUSTOMER DRAWING NO.		REV.	CHECKED		PROJECT NO. PM003373		PROJECT NAME 中乌天然气管道压气站UCS1	A3	DRAWING NO. 1TNR003373D4001	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
-LVS-0800	HEATER	HEATER,100W,70.C,230VAC,GHV6010100V0006		1	1TNT080200002R1	=Heater+HEATER_UCS1/1.7:C

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REV.	DESCRIPTION		DRAWN		TITLE SCHEMATIC DIAGRAM		FUNCTION Heater for UCS1	SCALE 1:1	= Heater	SHEET 6
			CHECKED						+ HEATER_UCS1	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UCS1	A3	DRAWING NO. 1TNR003373D4001	REV. B
			DATE							