

		Diagrams and charts	
		for	
Rated voltage	24.0 kV	Purchaser	Huawei Technologies Co., Ltd.
Operating voltage	22.0 kV		
Rated short-duration power-frequency withstand voltage	50.0 kV		
Rated lightning impulse withstand voltage	125.0 kV	User	
Rated frequency	50 Hz		
Rated short-time withstand current	20.0 kA		
Rated duration of short circuit	3 s	Plant	8DJH RRL
Rated peak withstand current	50.0 kA		
Rated normal current of the busbar	630 A	Plantsection	8DJH BLUE CCV-L Standard Design
*) Note: Primary parameters only for reference, any deviation please refer to the requirements from specific projects.			
		Order number	
		Date of issue	12.16.2024
		Customer document No.	
SIEMENS LIMITED COMPANY		Document designation	A / =KZ00 / /1
		Producer document No.	CHNSHM-U001-A

1

2

3

4

5

6

7

8

ARCHIVE=KZ00 / A / / / 2 /

FILENAME: 000281

Copyright (C) Siemens AG 1997 All Rights Reserved

ELCAD-VERSION:
TRANSLATE FILE A:
TRANSLATE FILE B:
TRANSLATE FILE C:
TRANSLATE FILE D:

RRL-L-BLUE

Project:
SYMBOL LIBRARY 1:
SYMBOL LIBRARY 2:
SYMBOL LIBRARY 3:
SYMBOL LIBRARY 4:

DRAWING INSTRUCTION

1. Revision

Revision times, stated by A, B, C, ... ,0, 0A, 0B, ... ,1, 2, 3, ...

2. Remarks

Short revision description.

3. Modified date

Stated by DD/MM/YY.

4. Name

The name who is in charge of this revision.

5. Creation date

Stated by DD/MM/YYYY.

6. Drawn

The name who makes drawing.

7. Approve

The name who proofreads drawing.

8. Project description

Row 1 Customer

Row 2 End user

Row 3 Section (optional)

9. Drawing description

Row 1 Switchgear attribute

Row 2 Switchgear type

Row 3&4 Name of drawing classification

10. Order number

11. Factory number

12. Drawing number

13. First drawing code

A Overall

S Circuit diagram

V Terminal diagram

14. Typical number

Panels with same scheme use same typical. Refer to SLD.

15. Total sheets in current subdirectory

16. Second subdirectory & current page number

17. Current page number

DRAWING INSTRUCTION

+B
-HL
/Z5.5

Row 1 Location

+B Inside LV box

+T Fixed on LV door

+L CB mechanism compartment

+D TPS mechanism compartment

+N Niche (near by mechanism compartment)

+F Panel frame

Row 2 Device code (refer to each typical)

Row 3 Cross reference

/Z5.5 stands for page Z5, the 5th column

+B
-XC30
327
A
D

Terminal block for example

+B Location, same as above

-XC30 Terminal name

327 Terminal number

A/C/D Pin A/C/D for this terminal

Wiring marking design:

Wiring number + Destination + Connection, using adhesive label.

Example:

-XC30:321C

1001-A21-X2:10
-XC30:321C

1001-XC30:321C
-A21-X2:10

-A21-X2:10

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

Rev.

Remarks

Date

Name

Norm

Orig./Repl.f./Repl.by

Instruction

CCV-L

CHNSHM-U002

3 Sh

12.16.2024

Dai Yuhang

Cao Zeya

8DJH BLUE CCV-L Standard Design

8DJH RRL Instruction

Medium Voltage Switchgear

8DJH RRL Instruction

CCV-L

CHNSHM-U002

Sheet 2+

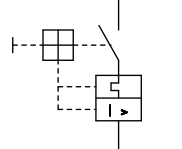
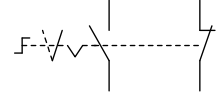


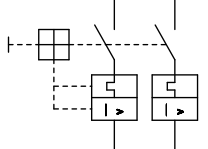
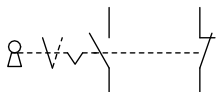


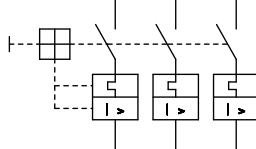
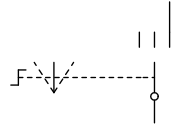

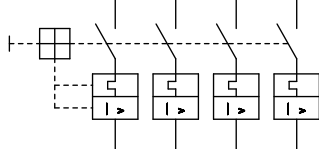
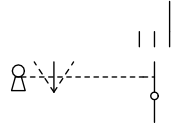
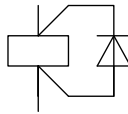

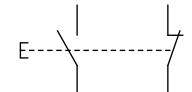
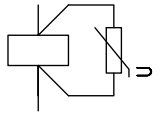

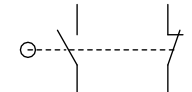
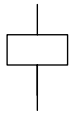

Huawei Technologies Co., Ltd.

SIEMENS

A =KZ00

Y2

SECONDARY PARTS LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	1 POLE MCB		HANDLE OPERATED SELECTOR SWITCH (LATCHED)		INDICATOR LIGHT / ILLUMINATION		CURRENT TRANSFORMER CORE
	2 POLE MCB		KEY SELECTOR SWITCH (LATCHED)		RESISTOR / HEATER		VOLTAGE TRANSFORMER WINDING
	3 POLE MCB		HANDLE OPERATED SELECTOR SWITCH (UNLATCHED)		NON-LINEAR RESISTOR (METROSIL)		
	4 POLE MCB		KEY SELECTOR SWITCH (UNLATCHED)		AUXILIARY RELAY WITH SURGE SUPPRESSOR		
	CHANGE OVER CONTACT		PUSHBUTTON		AUXILIARY RELAY WITH VARISTOR		
	NORMAL CLOSE CONTACT		POSITION LIMIT SWITCH		AUXILIARY RELAY		
	NORMAL OPEN CONTACT						

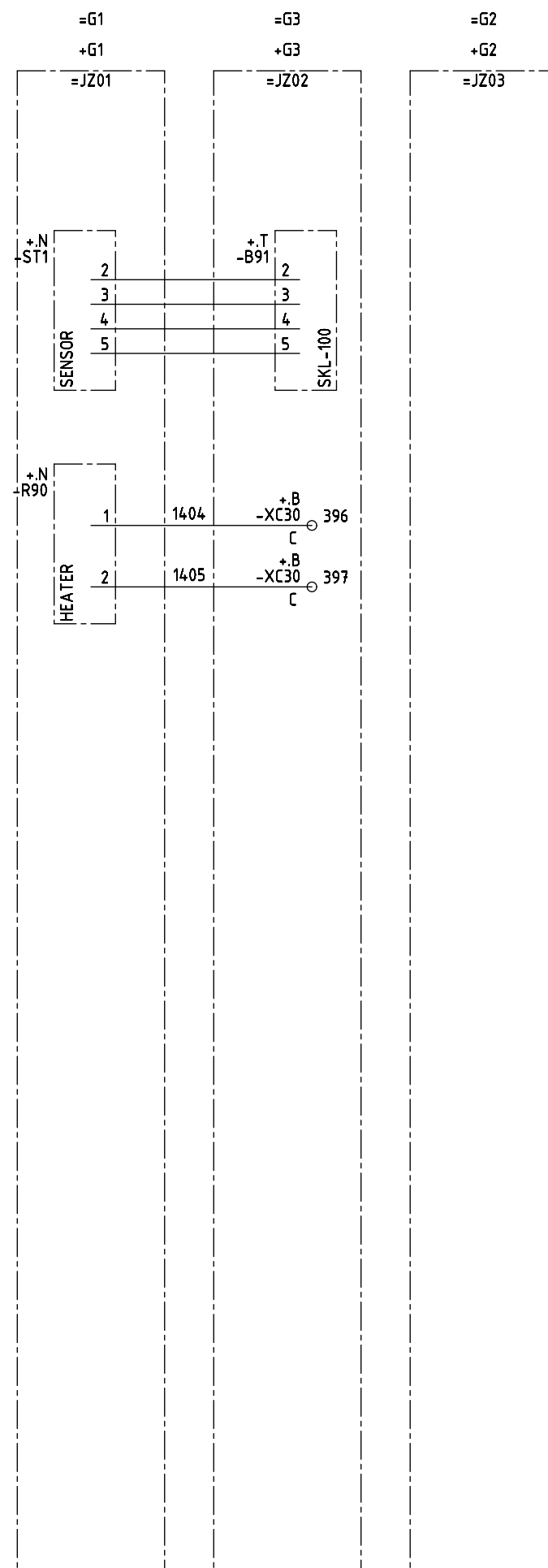
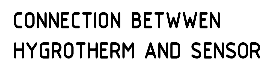
- 1) Symbols inside CB/TPS mechanism, refer to complete device diagram.
- 2) Unless otherwise specified, aux contacts for CB/TPS in secondary drawing are shown in open position.

WIRE COLOR

BK	BLACK	DBU	DARK BLUE
WH	WHITE	BU	BLUE
YE	YELLOW	LBU	LIGHT BLUE
OR	ORANGE	GN	GREEN
RD	RED	GY	GREY
PK	PINK	BN	BROWN
VT	PURPLE	GNYE	GREEN & YELLOW

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL Legend			A	=KZ00	/3		
				Drawn	Dai Yuhang										
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design						Sheet 3-
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by		Legend	CCV-L	CHNSHM-U003			3 Sh		

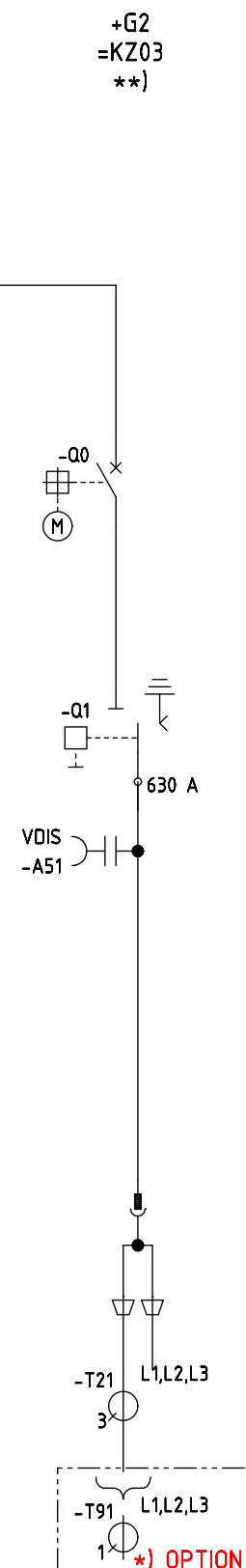
				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL Overall SLD			S	=KZ00	B1	
				Drawn	Dai Yuhang									
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design					
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by		Overall SLD	CCV-L	CHNSHM-S003		Sheet 1- 1 Sh		



Unless otherwise specified, wires are ZA-RV-90 1,5 BK

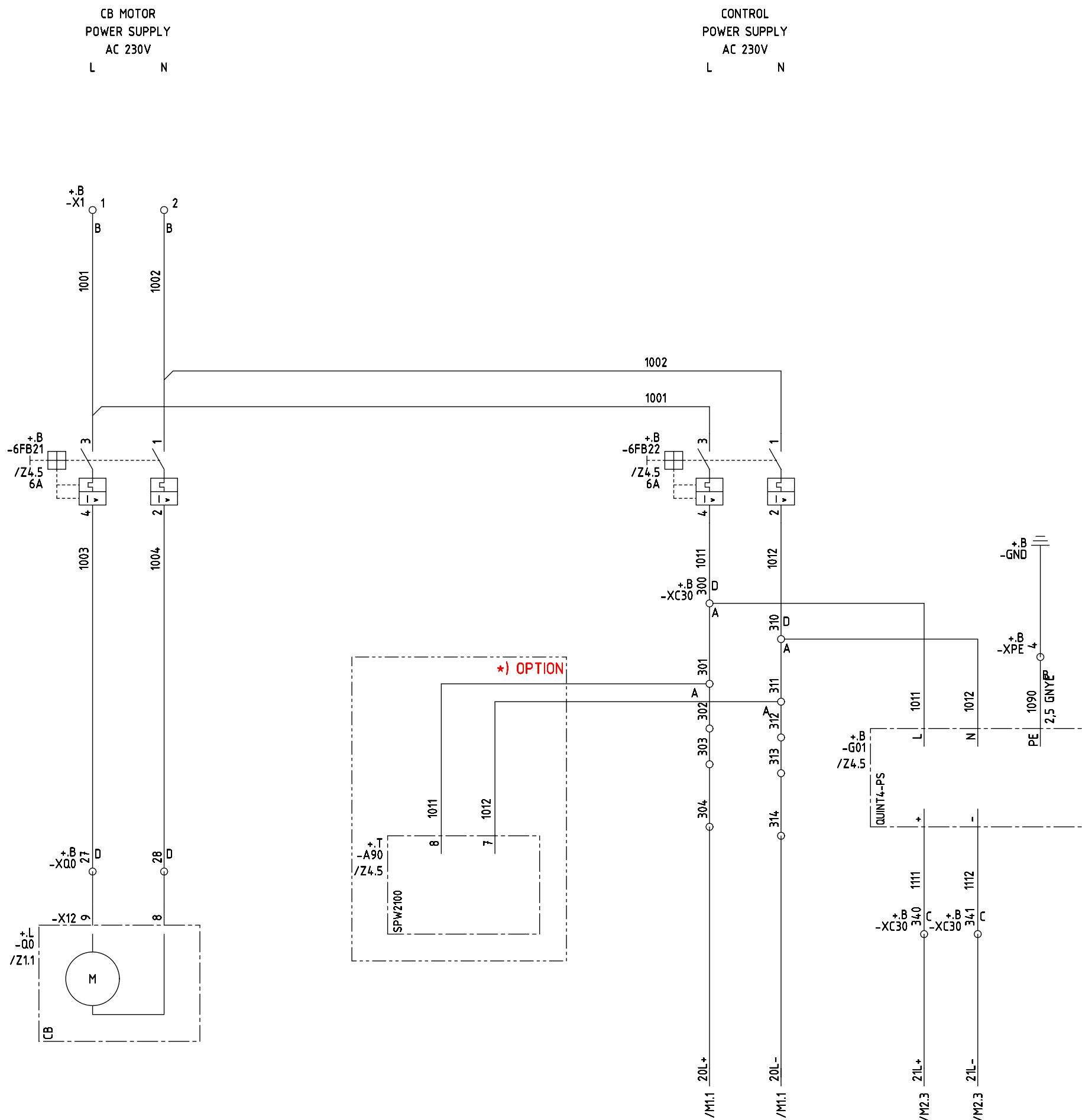
				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear			S	=KZ00	R1
				Drawn	Dai Yuhang			8DJH RRL					
				Appr.	Cao Zeya	8DJH BLUE CCV-L Standard Design		Ringloop					
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by		Ringloop	CCV-L	CHNSHM-R001			Sheet 1- 1 SH

CODE	DESCRIPTION	QUANTITY
-Q0	CIRCUIT BREAKER	1
-Q1	THREE POSITION SWITCH (DISCONNECTOR & EARTHING SWITCH)	1
-T21	CURRENT TRANSFORMER, THREE PHASE	1
-A51	CAPACITIVE VOLTAGE INDICATOR	1
-A21/-R	PROTECTION RELAY AND CEMENT RESISTOR	1
-KCBF	AUX. RELAY FOR CBF FUNCTION	1
-K1	ANTI PUMPING RELAY	1
-K4	AUX. RELAY FOR SPRING RELEASED SIGNAL	1
-KGL	GAS PRESSURE SIGNAL MULTIPLFER RELAY	1
-S90	LOCAL / REMOTE SWITCH	1
-SQ0	CB CONTROL SWITCH	1
-6FB21	MCB FOR CB MOTOR	1
-6FB22	MCB FOR CONTROL	1
-6FB24	MCB FOR HEATER	1
-R90 *)	HEATER	1
-B92/-ST1 *)	HYGROTHERM AND SENSOR	1
-B91 *)	G1 MECHANISM COMP. HYGROTHERM	1
-G01	POWER SUPPLY UNIT	1
-T91 *)	ZERO SEQUENCE CURRENT TRANSFORMER	1
-A90 *)	WIRELESS TEMPERATURE RECEIVING TERMINAL	1



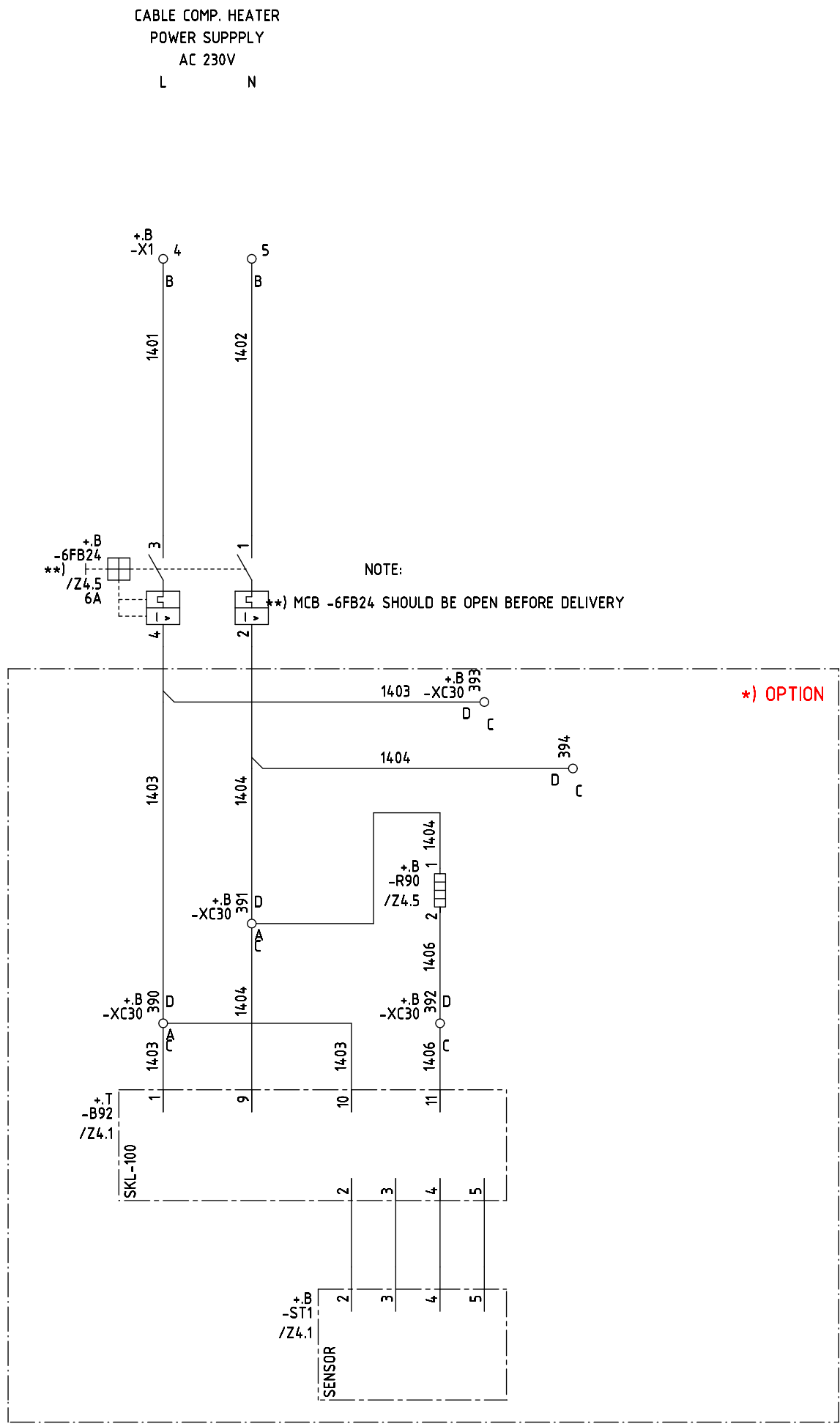
				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Single line diagram			S	=KZ03	B1	
				Drawn	Dai Yuhang									
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design					
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S044		Sheet 1- 1 Sh		

_V COMP.



Unless otherwise specified, wires are ZA-RV-90 1,5 BK

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram			S	=KZ03	G1
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm	Orig./Repl.f./Repl.by				CCV-L	CHNSHM-S044		Sheet 1- 2 Sh	



Unless otherwise specified, wires are ZA-RV-90 1,5 BK

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram		S	=KZ03	G2	
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S044		Sheet 2- 2 Sh	

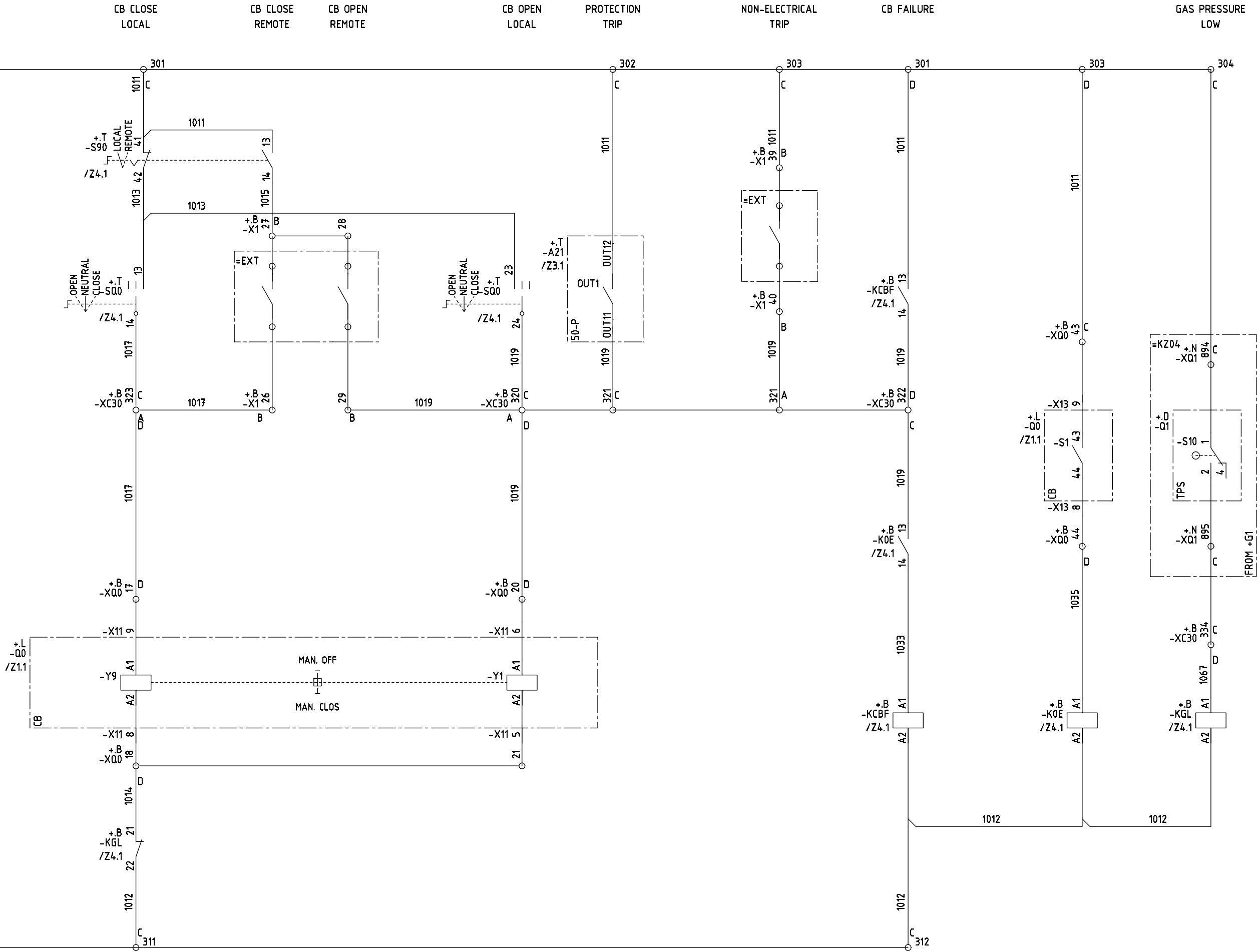
ARCHIVE=KZ03 / S / M / 1 /

FILENAME: 000120

Copyright (C) Siemens AG 1997 All Rights Reserved

Project: RRL-L-BLUE
SYMBOL LIBRARY 1:
SYMBOL LIBRARY 2:
SYMBOL LIBRARY 3:
SYMBOL LIBRARY 4:
ELCAD-VERSION:
TRANSLATE FILE A:
TRANSLATE FILE B:
TRANSLATE FILE C:
TRANSLATE FILE D:

LV COMP.



Unless otherwise specified, wires are ZA-RV-90 1,5 BK

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram			S	=KZ03	M1
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S044			Sheet 1+ 5 Sh

1

2

3

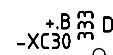
4

5

6

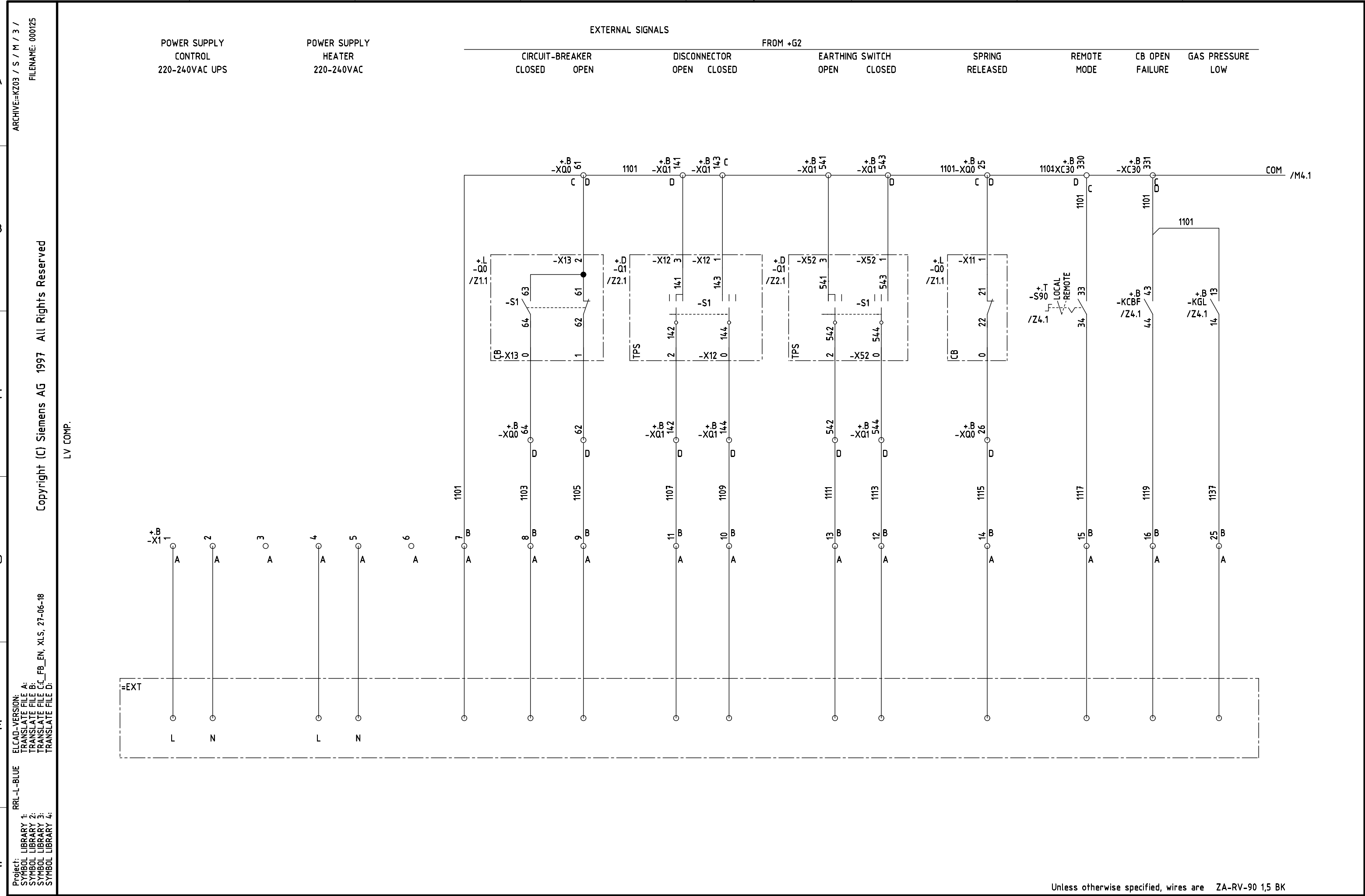
7

8



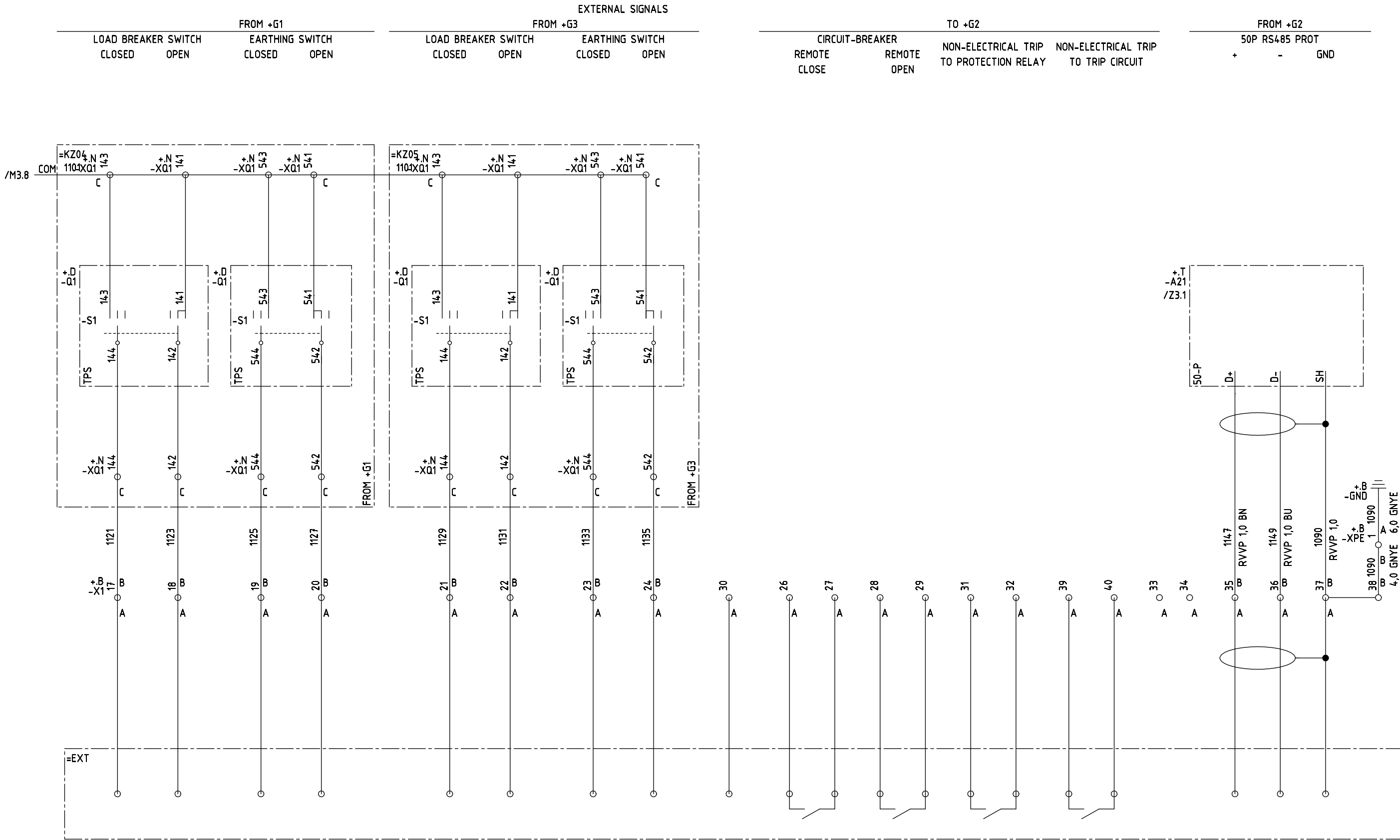
Unless otherwise specified, wires are ZA-RV-90 1,5 BK

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram			S	=KZ03	M2	
				Drawn	Dai Yuhang									
				Appr.	Cao Zeya	8DJH BLUE CCV-L Standard Design								
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S044		Sheet 2+ 5 Sh		

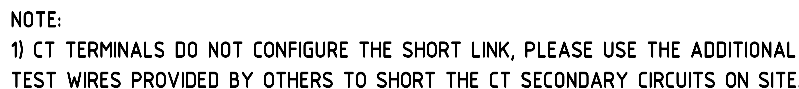
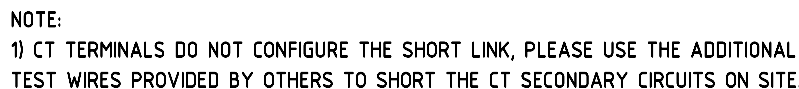


Rev.					Remarks	Date	Name	Norm	Date 12.16.2024 Drawn Dai Yuhang Appr. Cao Zeya					Huawei Technologies Co., Ltd.					SIEMENS					Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram					CCV-L					CHNSHM-S044					Sheet 4+ 5 Sh				
------	--	--	--	--	---------	------	------	------	---	--	--	--	--	-------------------------------	--	--	--	--	---------	--	--	--	--	--	--	--	--	--	-------	--	--	--	--	-------------	--	--	--	--	------------------	--	--	--	--

LV COMP.

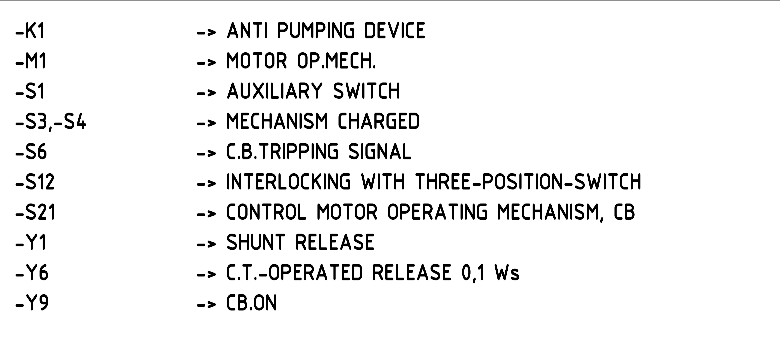


Unless otherwise specified, wires are ZA-RV-90 1,5 BK



Unless otherwise specified, wires are ZA-RV-90 2,5 BK

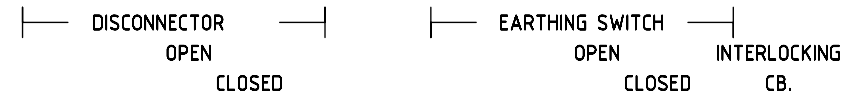
				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram			S	=KZ03	S1	
				Drawn	Dai Yuhang									
				Appr.	Cao Zeya	8DJH BLUE CCV-L Standard Design								
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S044			Sheet 1+ 2 Sh	



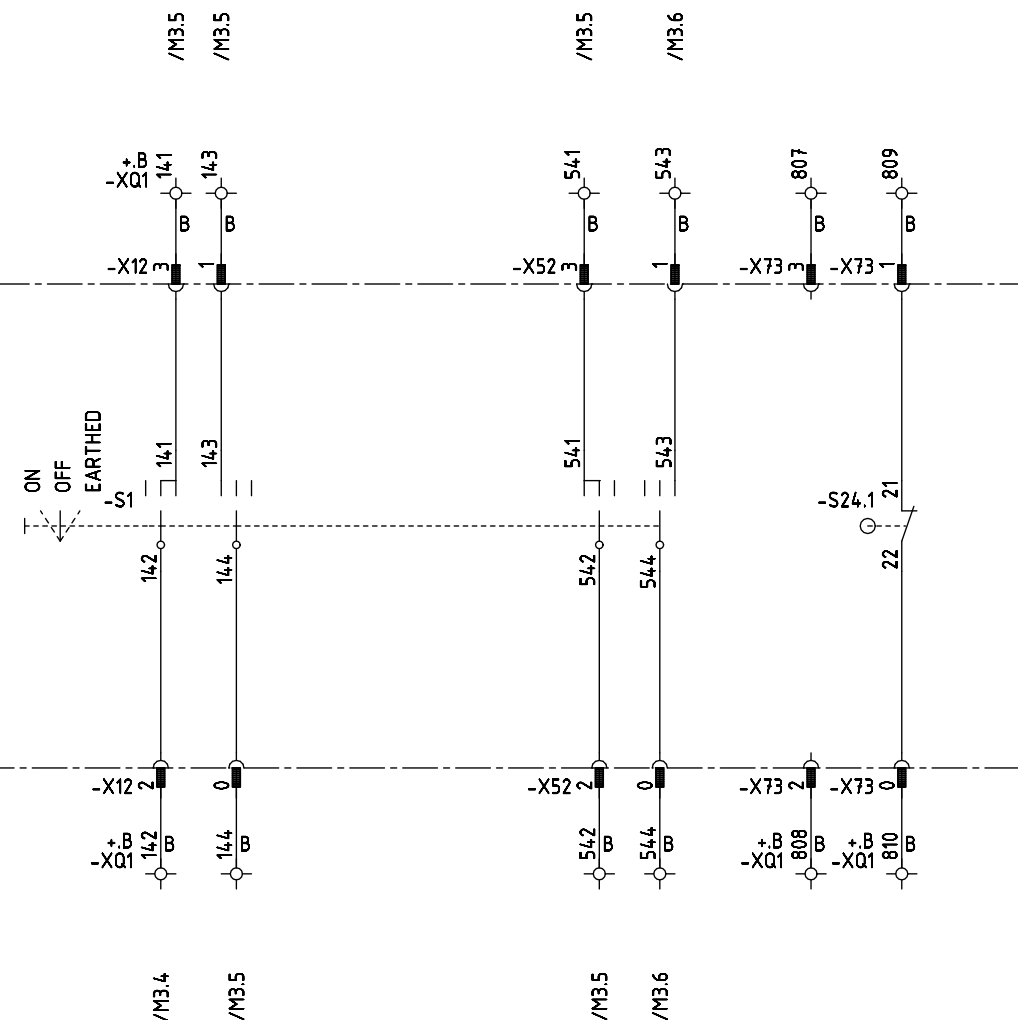
Unless otherwise specified, wires are ZA-RV-90 1,5 BK

[illegible]

THREE POSITION SWITCH
500-4290.5A



-S1	->AUXILIARY SWITCH(DISCONNECTOR/EARTHING SWITCH)
-S24.1	-> LEVER INSERTED



Unless otherwise specified, wires are ZA-RV-90 1,5 BK

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram		S	=KZ03	Z2
				Drawn	Dai Yuhang							
				Appr.	Cao Zeya							
						8DJH BLUE CCV-L Standard Design						
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L		CHNSHM-S044	Sheet 2+ 5 Sh

A

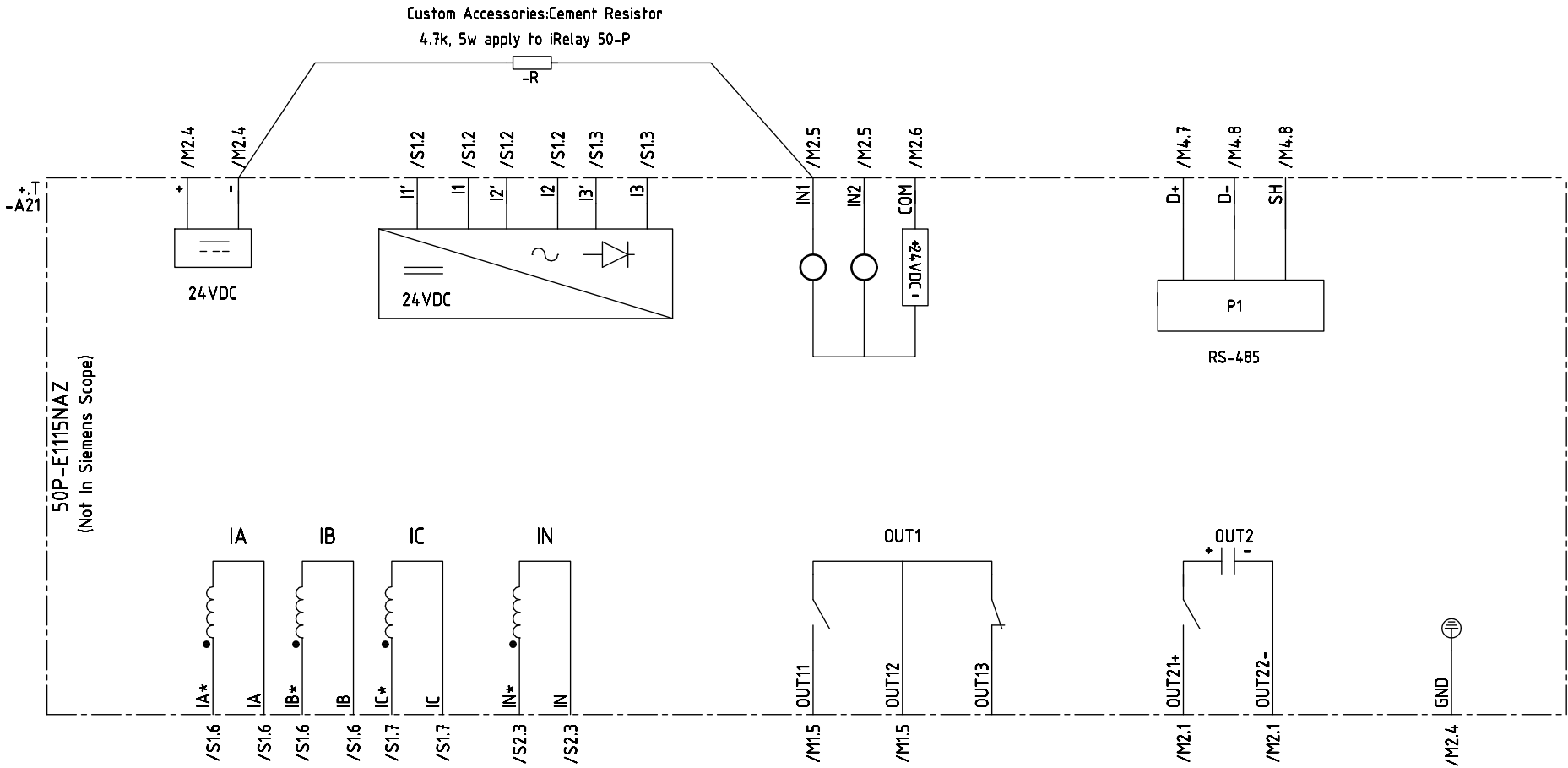
B

C

D

E

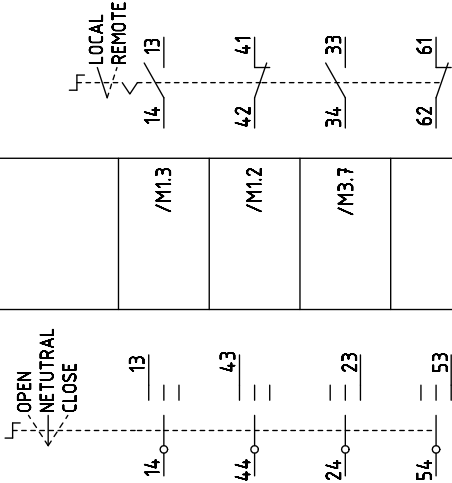
F



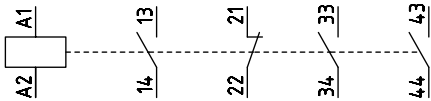
				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram			S	=KZ03	Z3		
				Drawn	Dai Yuhang										
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design						Sheet 3+
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S044			5 Sh		

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G2 Panel Circuit diagram		S	=KZ03	Z4
				Drawn	Dai Yuhang							
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design			
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S044		Sheet 4- 5 Sh

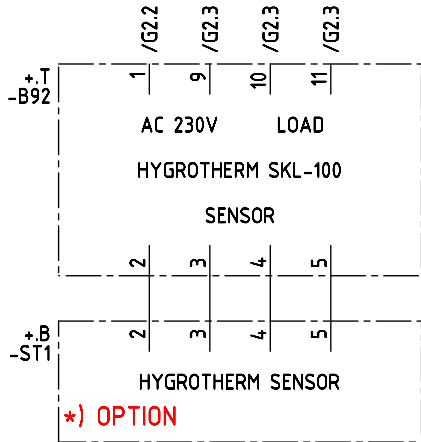
3SU1002-2BF10-0AA0	/M1.3	/M1.2	/M3.7	
+..T 3SU1500-0AA10-0AA0				
-S90 2 x 3SU1400-1AA10-1FA0				
3SU1900-0AG10-0AA0				
LOCAL/REMOTE SWITCH				



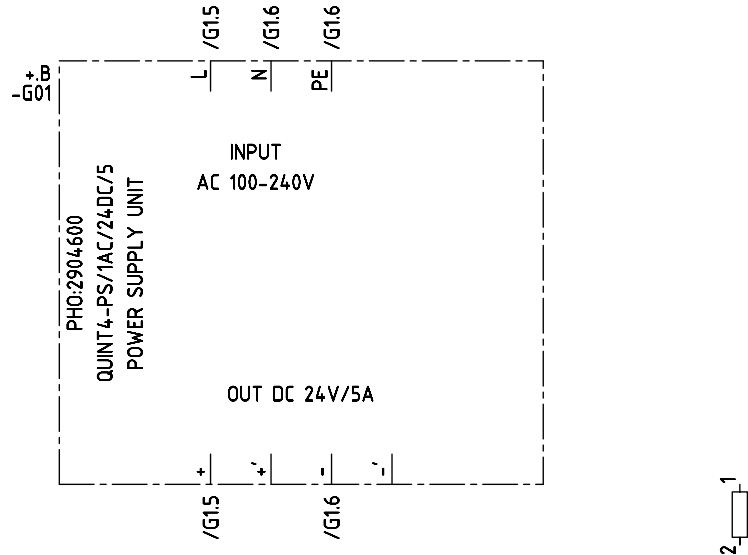
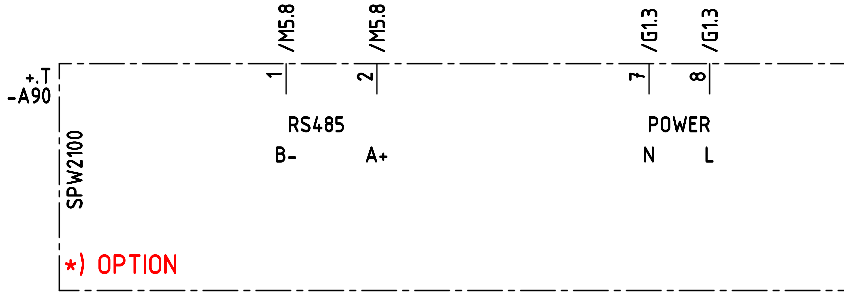
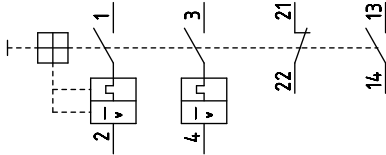
3SU1002-2BM10-0AA0	/M1.2		/M1.4	
+..T 3SU1500-0AA10-0AA0				
-SQ0 2 x 3SU1400-1AA10-1DA0				
3SU1900-0AG10-0AA0				
CB CONTROL SWITCH				



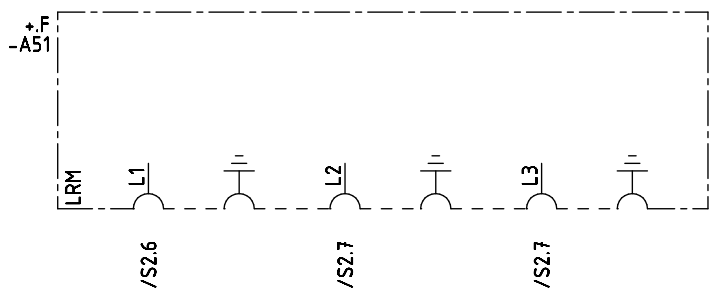
3RH2131-1AP00	/M1.6	/M1.6			/M3.7
+..B -KCBF AUXILIARY RELAY, AC 230V, 3NO+1NC					
3RH2131-1AP00	/M1.7	/M1.6		/M2.1	
+..B -K0E AUXILIARY RELAY, AC 230V, 3NO+1NC					
3RH2131-1AP00	/M1.8	/M3.8	/M1.2		
+..B -KGL AUXILIARY RELAY, AC 230V, 3NO+1NC					



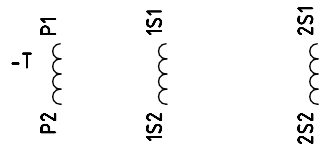
+..B -6FB21 5SY62067CC MCB, 6A, 2P, C	/G1.2	/G1.2	/M5.6	
5ST30100CC				
+..B -6FB22 5SY62067CC MCB, 6A, 2P, C	/G1.5	/G1.4	/M5.5	
5ST30100CC				
+..B -6FB24 5SY62067CC MCB, 6A, 2P, C	/G2.3	/G2.2	/M5.5	
5ST30100CC				



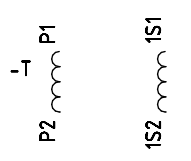
+..B -R90 JRK_AC230V_50W HEATER, 50W	/G2.3	



+ _F -T21L1	CURRENT TRANSFORMER CT PARAMETER REFER SLD	/S1.2	/S1.6
+ _F -T21L2	CURRENT TRANSFORMER CT PARAMETER REFER SLD	/S1.2	/S1.6
+ _F -T21L3	CURRENT TRANSFORMER CT PARAMETER REFER SLD	/S1.3	/S1.7



*) OPTION	ZERO SEQUENCE CURRENT TRANSFORMER +F -T91 CT PARAMETER REFER SLD	/S2.3	
-----------	--	-------	--



				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear			S	=KZ03	Z5
				Drawn	Dai Yuhang			8DJH RRL					
				Appr.	Cao Zeya	8DJH BLUE CCV-L Standard Design		G2 Panel					
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by		Circuit diagram	CCV-L	CHNSHM-S044		Sheet 5-	5 Sh

[illegible]

[illegible]

[illegible]

[illegible]

1															2										3										4										5										6										7										8																			
A															Cable designation										Type, core number, cross section										Destination, item designation										Level																				Terminal All										Line-up type VBSTB4-FS										Type of wiring									
B																																																																																														
C																																																																																														
D																																																																																														
E																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F																																																																																														
F</																																																																																														

1															2					3					4					5					6					7					8																																							
Cable designation															Type, core number, cross section					Destination, item designation					Level										Terminal					Line-up type					Type of wiring																																							
																																			All					VBSTB4-FS																																												
1																																																																																				
2																																																																																				
3																																																																																				
4																																																																																				
5																																																																																				
6																																																																																				
7																																																																																				
8																																																																																				
9																																																																																				
10																																																																																				
11																																																																																				
12																																																																																				
13																																																																																				
14																																																																																				
15																																																																																				
1															2					3					4					5					6					7					8					9					10					11					12					13					14					15				
																																																							</																													

[illegible]

[illegible]

ARCHIVE:=KZ04 / S / B / 1 /

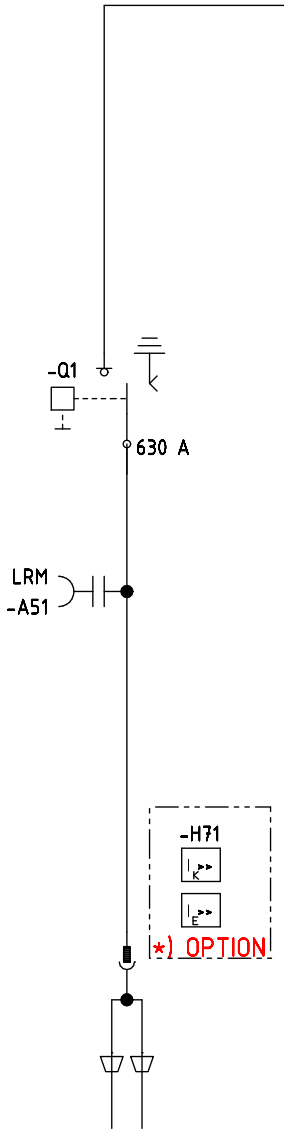
FILENAME: 000116

Copyright (C) Siemens AG 1997 All Rights Reserved

Project: SYMBOL LIBRARY 1:
SYMBOL LIBRARY 2:
SYMBOL LIBRARY 3:
SYMBOL LIBRARY 4:
RRL-L-BLUE
ELCAD-VERSION:
TRANSLATE FILE A:
TRANSLATE FILE B:
TRANSLATE FILE C:
TRANSLATE FILE D:

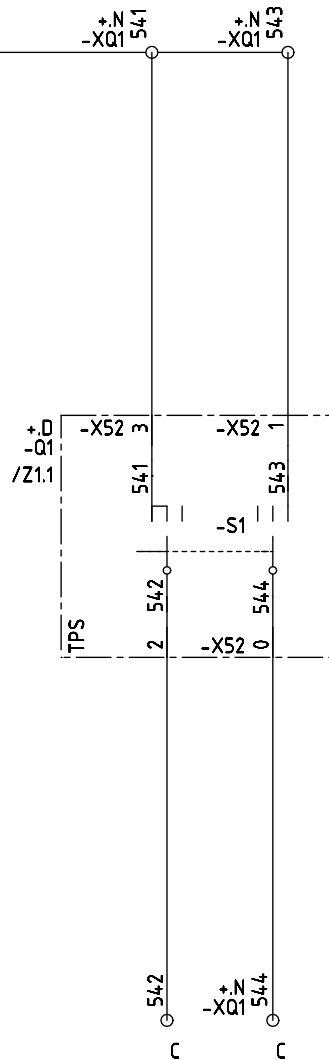
CODE	DESCRIPTION	QUANTITY
-Q1	THREE POSITION SWITCH (DISCONNECTOR & EARTHING SWITCH)	1
-A51	CAPACITIVE VOLTAGE INDICATOR	1
-H71 *)	SHORT-CIRCUIT AND EARTH FAULT INDICATOR	1
-R90 *)	HEATER	1
-ST1 *)	SENSOR OF HYGROTHERM	1

+G1
=KZ04



				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G1 Panel		S	=KZ04	B1
				Drawn	Dai Yuhang							
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design			
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by		Single line diagram	CCV-L	CHNSHM-S024		Sheet 1- 1 Sh

EXTERNAL SIGNALS TO +G2	
EARTHING SWITCH	
OPEN	CLOSED
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100



8

SIEMENS

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G1 Panel Circuit diagram		S	=KZ04	S1	
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S024		Sheet 1- 1 Sh	

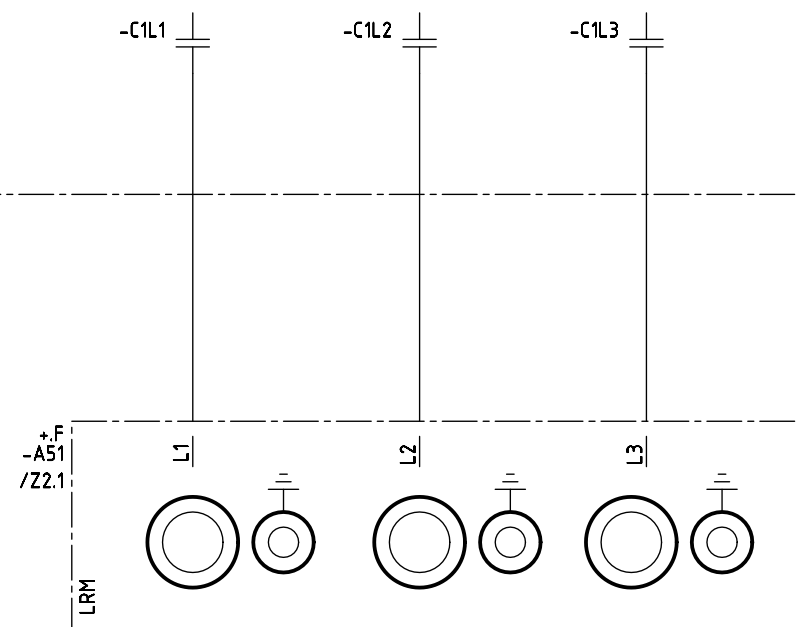
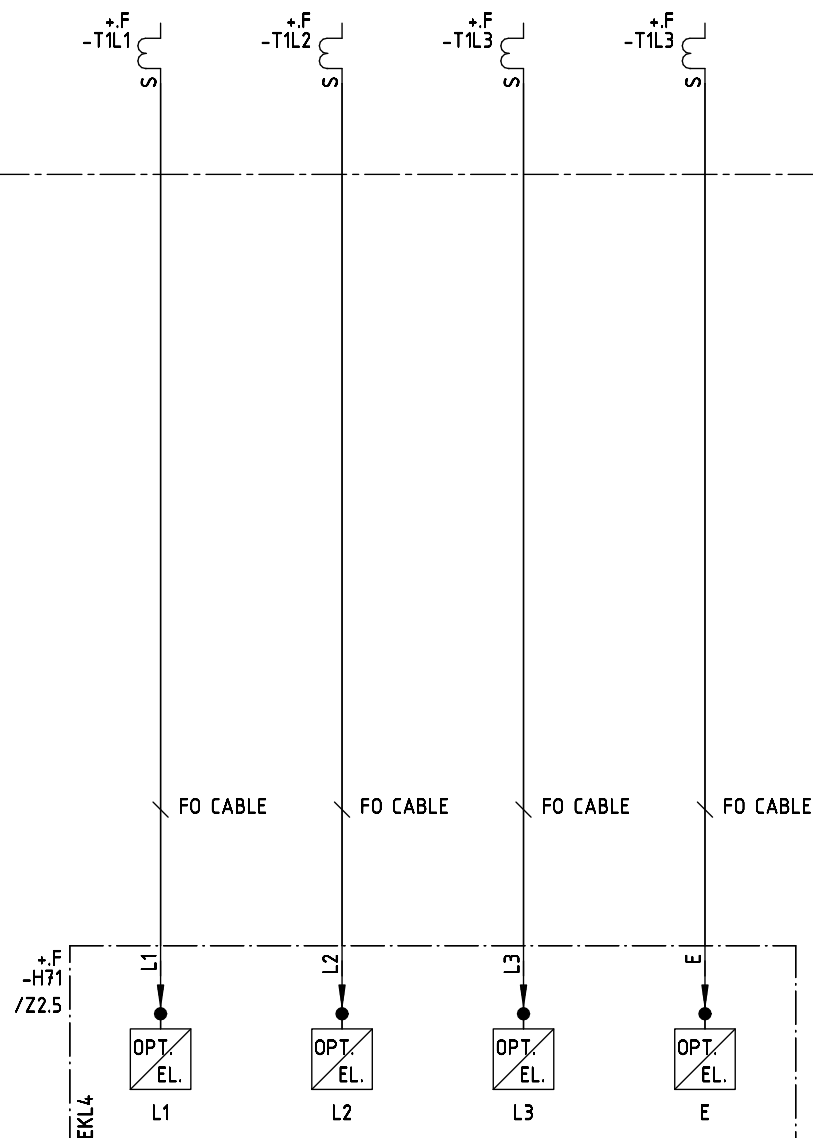
HV COMP.

LV COMP.

SHORT-CIRCUIT AND EARTH FAULT INDICATOR

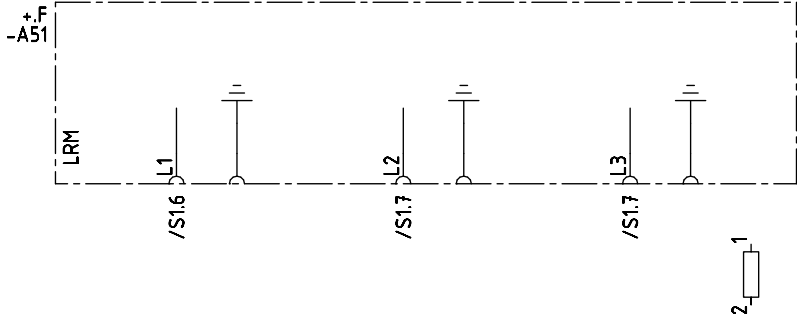
***) OPTION**

CAP. VOLTAGE INDICATOR

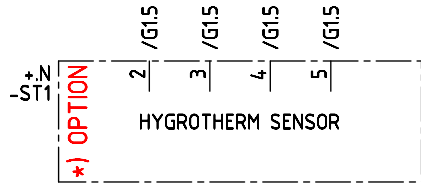


				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G1 Panel Circuit diagram			S	=KZ04	Z1
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya								
						8DJH BLUE CCV-L Standard Design			CCV-L	CHNSHM-S024			Sheet 1+
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by							2 Sh

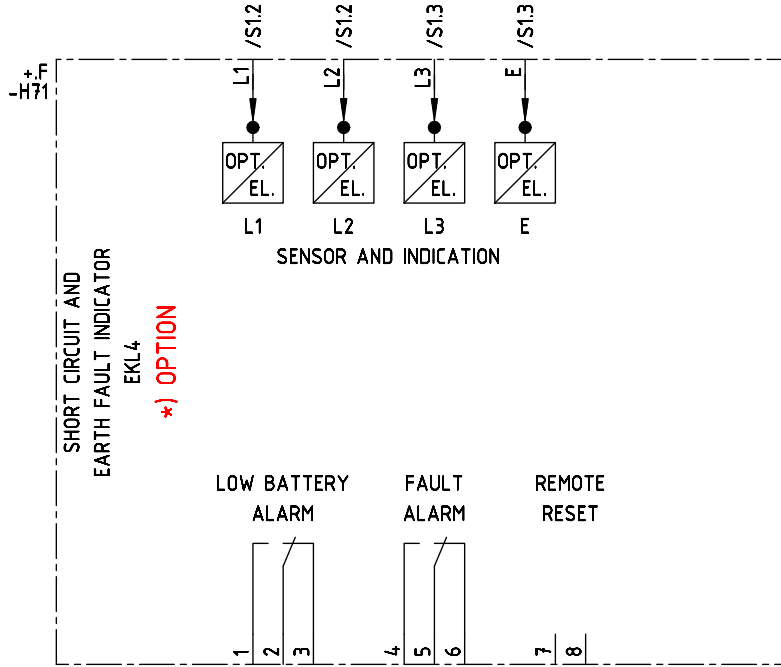
				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G1 Panel Circuit diagram			S	=KZ04	Z2
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S024			Sheet 2- 2 Sh



) OPTION	JRK_AC230V_50W	/G1.4	
	+N -R90 HEATER, 50W		



*) OPTION	HYGROTHERM SENSOR			
	2 /G1.5	3 /G1.5	4 /G1.5	5 /G1.5



*) OPTION

LOW BATTERY ALARM

FAULT ALARM

REMOTE RESET

SHORT CIRCUIT AND EARTH FAULT INDICATOR EKL4

SENSOR AND INDICATION

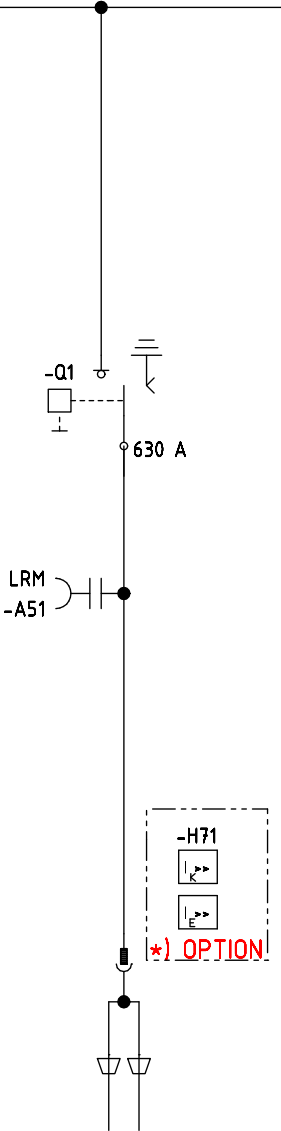
1															2										3										4										5										6										7										8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Cable designation															Type, core number, cross section										Destination, item designation										Level										Terminal All										Line-up type VBSTB4-FS										Type of wiring																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

CODE	DESCRIPTION	QUANTITY
-Q1	THREE POSITION SWITCH (DISCONNECTOR & EARTHING SWITCH)	1
-A51	CAPACITIVE VOLTAGE INDICATOR	1
-R90	HEATER	1
-B90/-ST1	HYGROTHERM AND SENSOR	1

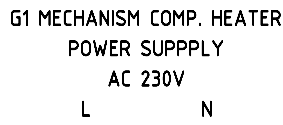
CODE	DESCRIPTION
-Q1	THREE POSITION SWITCH (DISCONNECTOR & EARTHING SWITCH)
-A51	CAPACITIVE VOLTAGE INDICATOR
-H71 *)	SHORT-CIRCUIT AND EARTH FAULT INDICATOR
-R90 *)	HEATER
-ST1 *)	SENSOR OF HYGROTHERM

CODE	DESCRIPTION	QUANTITY
-Q1	THREE POSITION SWITCH (DISCONNECTOR & EARTHING SWITCH)	1
-A51	CAPACITIVE VOLTAGE INDICATOR	1
-H71 *)	SHORT-CIRCUIT AND EARTH FAULT INDICATOR	1
-R90 *)	HEATER	1
-ST1 *)	SENSOR OF HYGROTHERM	1

+G3
=KZ05



Project: SYMBOL LIBRARY 1:
SYMBOL LIBRARY 2:
SYMBOL LIBRARY 3:
SYMBOL LIBRARY 4:



G1	
----	--

Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by	Circuit diagram	CCV-L	CHNSHM-S024	1 Sh
------	---------	------	------	------	--	-----------------------	-----------------	-------	-------------	------



F

F

F

ARCHIVE=KZ05 / S / S / 1 /
FILENAME: 000110

Copyright (C) Siemens AG 1997 All Rights Reserved

ELCAD-VERSION:
TRANSLATE FILE A:
TRANSLATE FILE B:
TRANSLATE FILE C:
TRANSLATE FILE D:

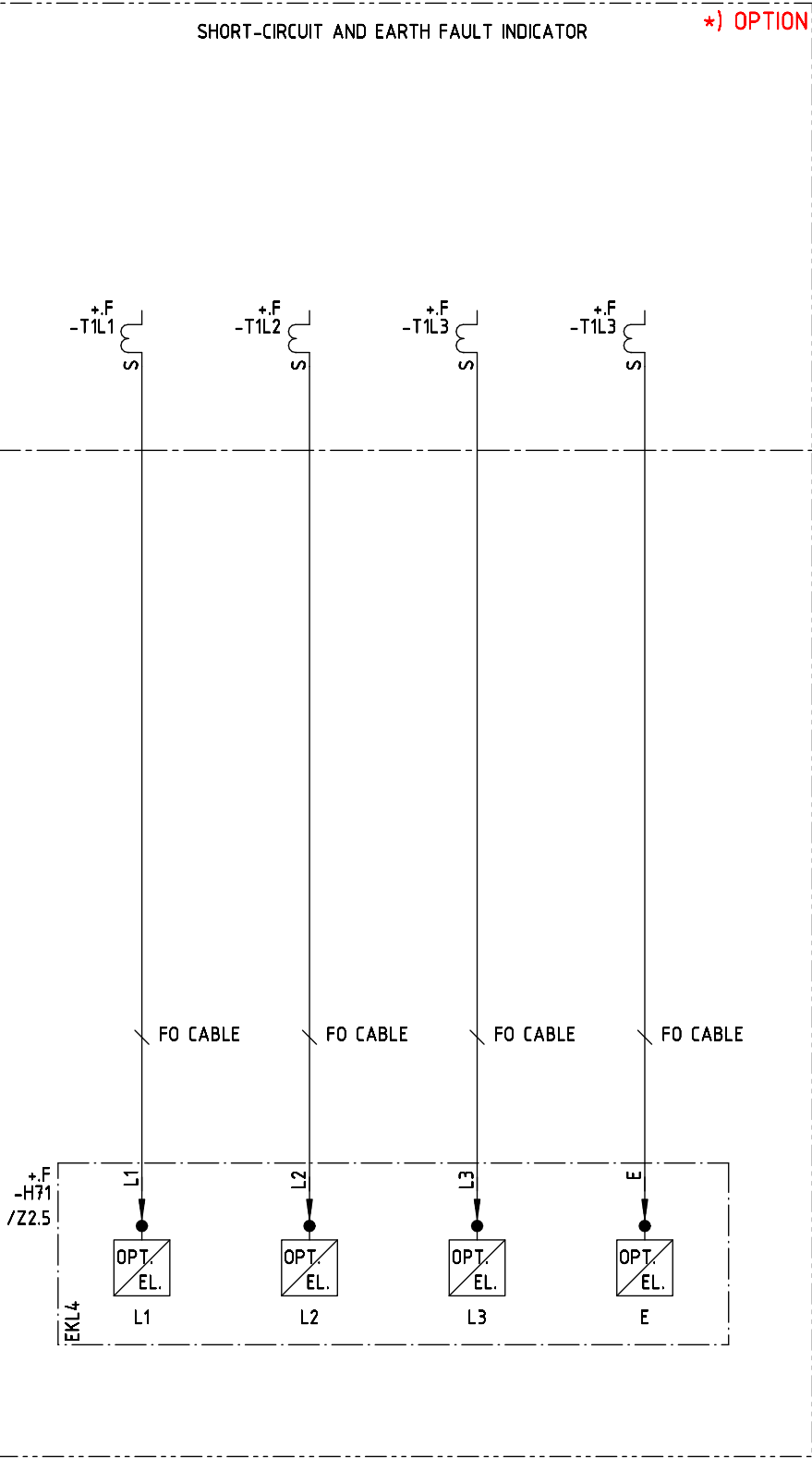
RRL-L-BLUE

Project:
SYMBOL LIBRARY 1:
SYMBOL LIBRARY 2:
SYMBOL LIBRARY 3:
SYMBOL LIBRARY 4:

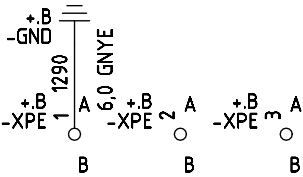
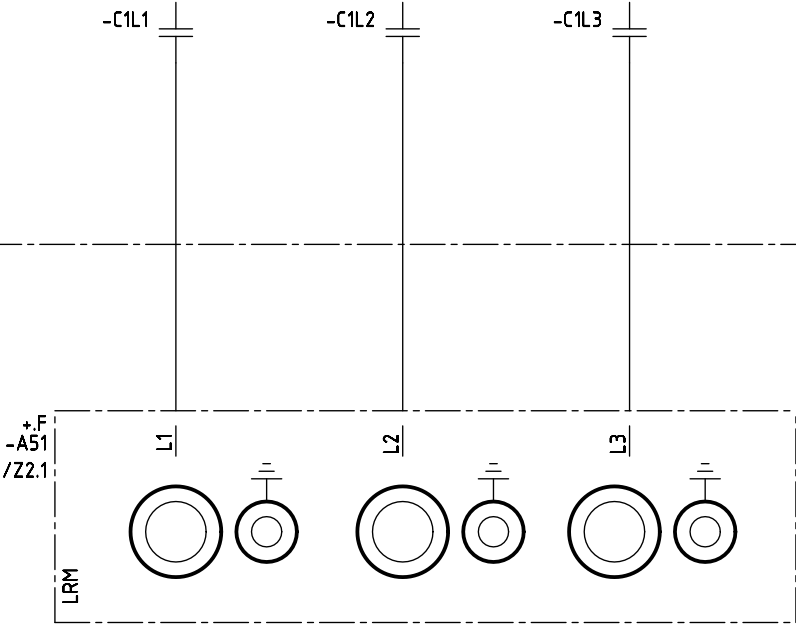
				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G3 Panel			S	=KZ05	S1
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by		Circuit diagram	CCV-L	CHNSHM-S034			Sheet 1- 1 Sh

HV COMP.

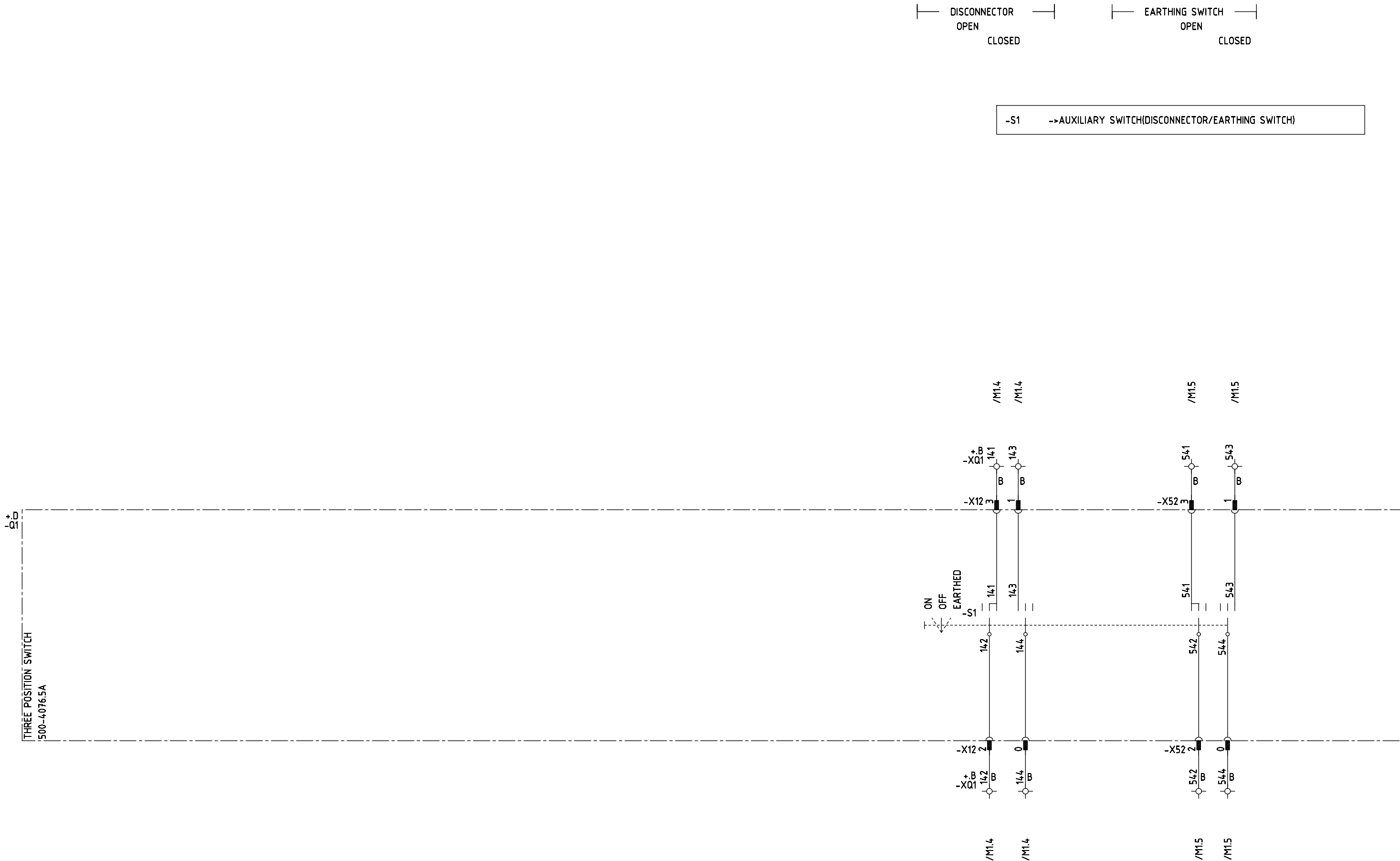
LV COMP.



CAP. VOLTAGE INDICATOR



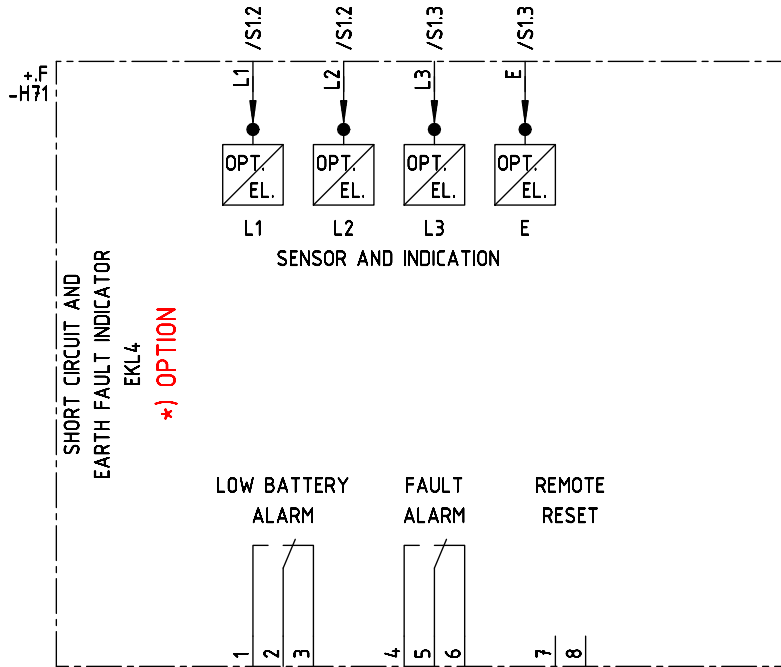
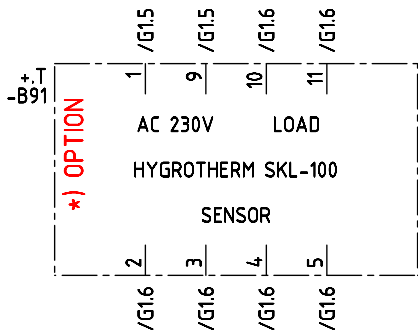
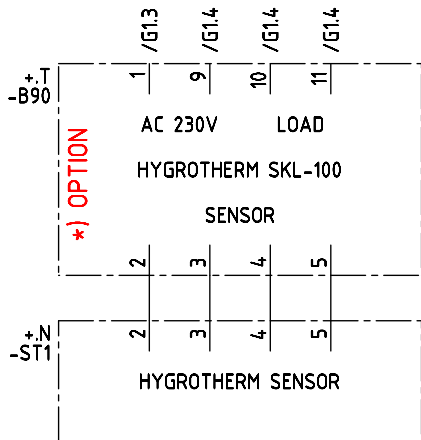
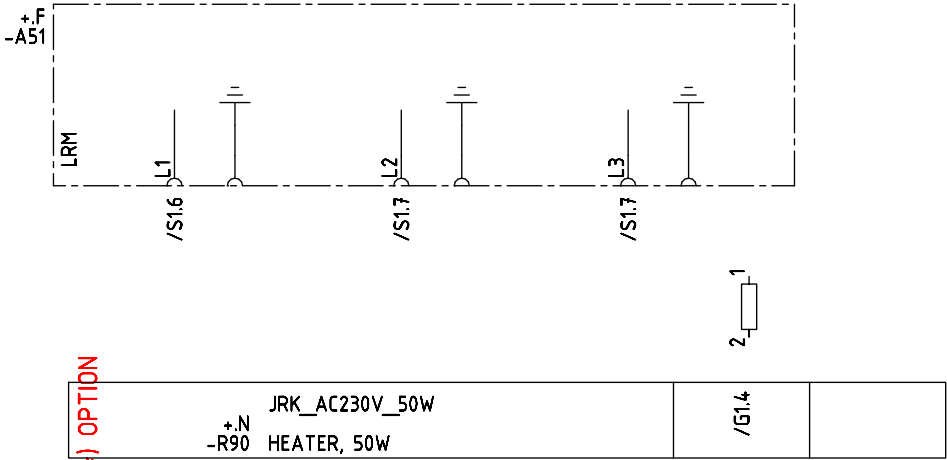
Unless otherwise specified, wires are ZA-RV-90 1,5 BK



Unless otherwise specified, wires are ZA-RV-90 1,5 BK

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G3 Panel			S	=KZ05	Z1
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by		Circuit diagram	CCV-L	CHNSHM-S034		Sheet 1+	2 Sh

				Date	12.16.2024	Huawei Technologies Co., Ltd.	SIEMENS	Medium Voltage Switchgear 8DJH RRL G3 Panel Circuit diagram			S	=KZ05	Z2
				Drawn	Dai Yuhang								
				Appr.	Cao Zeya				8DJH BLUE CCV-L Standard Design				
Rev.	Remarks	Date	Name	Norm		Orig./Repl.f./Repl.by			CCV-L	CHNSHM-S034			Sheet 2- 2 Sh



Archiv: =KZ05 / V / -XC30 / 1 /

Copyright (C) Siemens AG All Rights Reserved

Project: RRL-L-BLUE ELCAD-VERSION: SYMBOL LIBRARY 1: TRANSLATE FILE A: SYMBOL LIBRARY 2: TRANSLATE FILE B: SYMBOL LIBRARY 3: TRANSLATE FILE C: CC_FB_EN, XLS, 27-06-18 SYMBOL LIBRARY 4: TRANSLATE FILE D:

1

Cable designation

2

Type, core number, cross section

3

Destination, item designation

Level

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Terminal

All

Line-up type

VBSTB4-FS

Type of wiring

Cable connection to termination

A B C D

Termination A

Destination

Item designation

Terminal strip

-XC30

Link

Term.-No

Termination B

Destination

Item designation

Termination C

Destination

Item designation

Termination D

Destination

Item designation

Screen bus

N-bus

PE-PEN-bus

Used cores total

Continued on sheet

Cover

insulation plate

higher level insulation plate

Rev.

Remarks

Date

Name

Norm

Date

12.16.2024

Drawn

Dai Yuhang

Appr.

Cao Zeya

Huawei Technologies Co., Ltd.

8DJH BLUE CCV-L Standard Design

Orig./Repl.f./Repl.by

SIEMENS

Medium Voltage Switchgear

Medium Voltage Switchgear

+B-XC30

Terminal connection table

V

=KZ05

+B

-XC301

Sheet 1

1

Sh

[illegible]

[illegible]