Smart Infrastructure - Distribution Systems

Circuit diagram

for

Purchaser: Vena new energy company / TW

User: Siemens Limited (Taipei)

Plant: 33KV MAIN SUBSTATION

Plant section: 8DA10 SWITCHGEAR 33,0 kV
FEEDER
OUTGOING FEEDER

Typical: =HZ02.1.1

Project reference number

Date of issue: 29.04.21

Customer document number

A	change PCMI II	29.04.21	HE
Revision	Modification	Date	Name

SIEMENS AG

Archive: =H02 / A / / / 1

Project: 998574-000501

Documentation identifier: A / =H02 / / 1

Manufacturer document number: (3) W92210-L1965-U021-A

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H02 / A / A / 1

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
A	=H01 +H01	/1	(3) W92210-L1965-U011	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER Cover sheet	EM MS O GIS SWF PR OP SEN FFM
A	=H01 +H01	A1	(3) W92210-L1965-L012	1+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H01 +H01	A2	(3) W92210-L1965-L012	2+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H01 +H01	A3	(3) W92210-L1965-L012	3+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H01 +H01	A4	(3) W92210-L1965-L012	4-	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER List of documents	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	B1	(3) W92210-L1965-S014	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER FEEDER OVERVIEW Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	G1	(3) W92210-L1965-S015	1+	2	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER POWER SUPPLY Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	G2	(3) W92210-L1965-S015	2-	2	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER POWER SUPPLY Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M1	(3) W92210-L1965-S015	1+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL, CB. CLOSING/TRIPPING Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M2	(3) W92210-L1965-S015	2+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL, CB. CLOSING/TRIPPING Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M3	(3) W92210-L1965-S015	3+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL, CB. CLOSING/TRIPPING Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M4	(3) W92210-L1965-S015	4+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M5	(3) W92210-L1965-S015	5+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M6	(3) W92210-L1965-S015	6+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM

Revision	Modification	Date	Name			
				Date	07.04.2021	
				Drawn	Herrmann	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
List of documents

=HZ02.1.1 A =H02
+H02
A1
998574-000501 (3) W92210-L1965-L022-A
Sheet 1+
4 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H02 / A / A / 2
Translate file A: A_COC_DE
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Project: C:/Herrmann/998574-000501.pro
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Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
S	=H01 +H01	M7	(3) W92210-L1965-S015	7+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M9	(3) W92210-L1965-S015	9+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M10	(3) W92210-L1965-S015	10+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M11	(3) W92210-L1965-S015	11+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M12	(3) W92210-L1965-S015	12+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M13	(3) W92210-L1965-S015	13+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER INDICATION / STATUS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M14	(3) W92210-L1965-S015	14+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M15	(3) W92210-L1965-S015	15+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	M16	(3) W92210-L1965-S015	16-	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	S1	(3) W92210-L1965-S015	1+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	S2	(3) W92210-L1965-S015	2+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	S3	(3) W92210-L1965-S015	3+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	S4	(3) W92210-L1965-S015	4-	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CAPDIS-S1+ Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z1	(3) W92210-L1965-S015	1+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER CIRCUIT BREAKER Circuit diagram	EM MS O GIS SWF PR OP SEN FFM

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S	=H01 +H01	Z2	(3) W92210-L1965-S015	2+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER THREE POSITION SWITCH Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z3	(3) W92210-L1965-S015	3+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER THREE POSITION SWITCH Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z4	(3) W92210-L1965-S015	4+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER VOIS + Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z5	(3) W92210-L1965-S015	5+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER PROTECTION DEVICE Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z6	(3) W92210-L1965-S015	6+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z7	(3) W92210-L1965-S015	7+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z8	(3) W92210-L1965-S015	8+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z9	(3) W92210-L1965-S015	9+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H01 +H01	Z10	(3) W92210-L1965-S015	10-	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/1	(3) W92210-L1965-S018	1+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XR2 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/2	(3) W92210-L1965-S018	2+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XT1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/3	(3) W92210-L1965-S018	3+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/4	(3) W92210-L1965-S018	4+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/5	(3) W92210-L1965-S018	5+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM

Revision	Modification	Date	Name			
				Date	07.04.2021	
				Drawn	Herrmann	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER

List of documents

=HZ02.1.1 A =H02
+H02
A3
998574-000501 (3) W92210-L1965-L022-A
Sheet 3+
4 Sh.

Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
V	=H01 +.B	/6	(3) W92210-L1965-S018	6+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/7	(3) W92210-L1965-S018	7+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/8	(3) W92210-L1965-S018	8+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XQ0 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/9	(3) W92210-L1965-S018	9+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XQ0 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/10	(3) W92210-L1965-S018	10+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XQ1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/11	(3) W92210-L1965-S018	11+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XQ1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/12	(3) W92210-L1965-S018	12+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XPE Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/13	(3) W92210-L1965-S018	13+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XT15 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/14	(3) W92210-L1965-S018	14+	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XT Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/15	(3) W92210-L1965-S018	15-	15	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XB11 Connection table	EM MS O GIS SWF PR OP SEN FFM

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H02 / A / A / 4
Translate file A: A_COC_DE
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				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	A	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION					A4
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		List of documents	998574-000501	(3) W92210-L1965-L022-A	Sheet 4-4 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / B / 1

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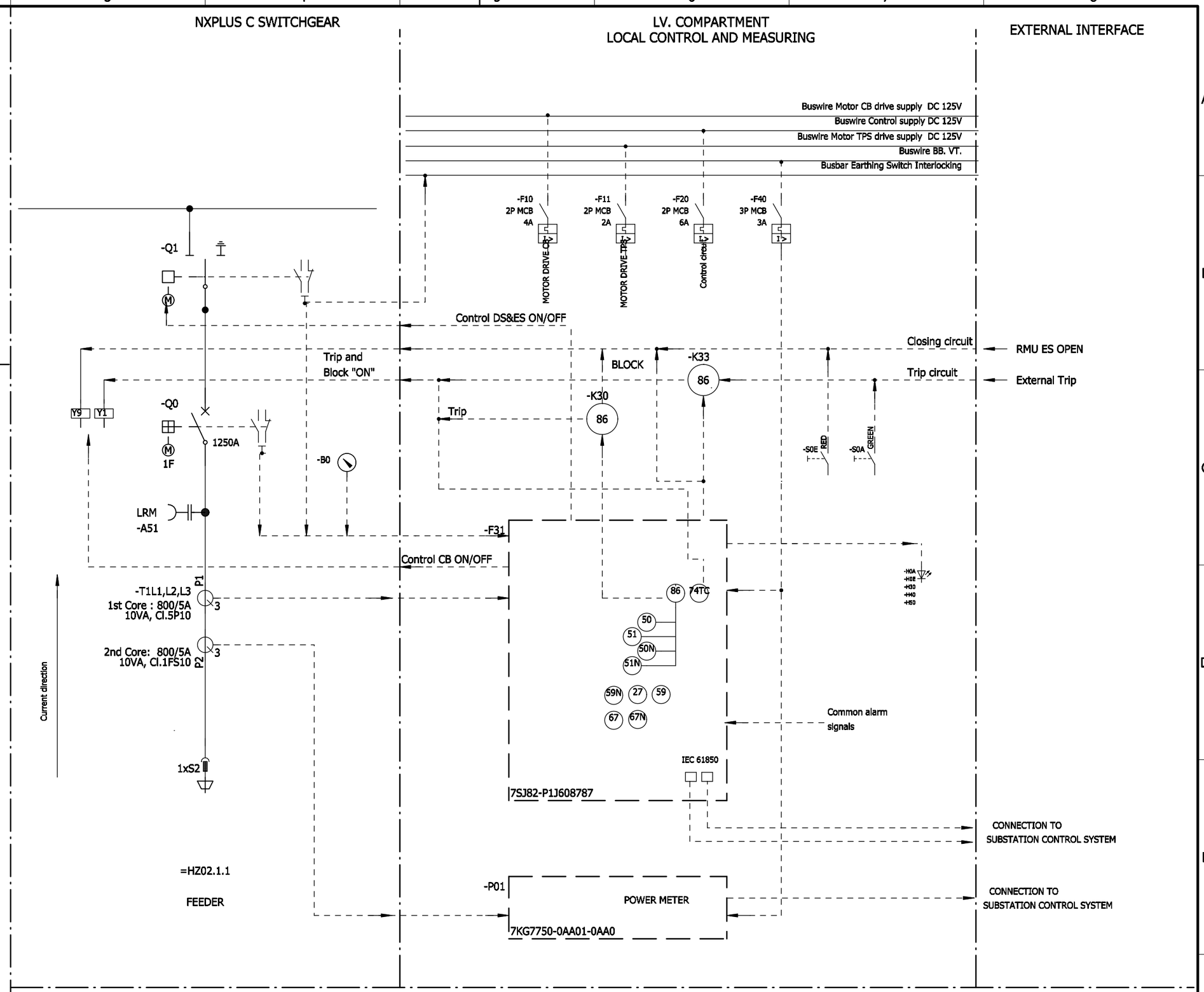
Remark :
Drawings will be applied for panel

H02,H03,H04,H06,H08,H13,H14,H16,H17 Feeder outgoing
H18,H21,H22,H23,H25,H26,H31,H35,H36
H37

Legend

-Q0	Motorized Circuit-Breaker
-Q1	Hand Operated 3 Position Switch
-B0...	GAS PRESSURE MONITORING
-T1	Current Transformer
50	Instantaneous Overcurrent
50N	Instantaneous Earth-fault Overcurrent
51	Time-Overcurrent, phase
51N	Time-Overcurrent, earth
59	Overvoltage prot.
86	Lockout function
67	Directional overcurrent
67N	Directional earth-fault overcurrent

-A51 Voltage indicator LRM



System/rated frequency	Operating voltage	Rated voltage	Rated short-time withst. curr.	Rated normal current
3~60 Hz	33,0 kV	36,0 kV	25,0kA (3s)	2000A

Revision	Modification	Date	Name				
				Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
FEEDER OVERVIEW
Circuit diagram

=HZ02.1.1 S =H02 +H02 B1
998574-000501 (3) W92210-L1965-S024-A Sheet 1- 1 Sh.

ELCAD-Version 7.7.1 SP2
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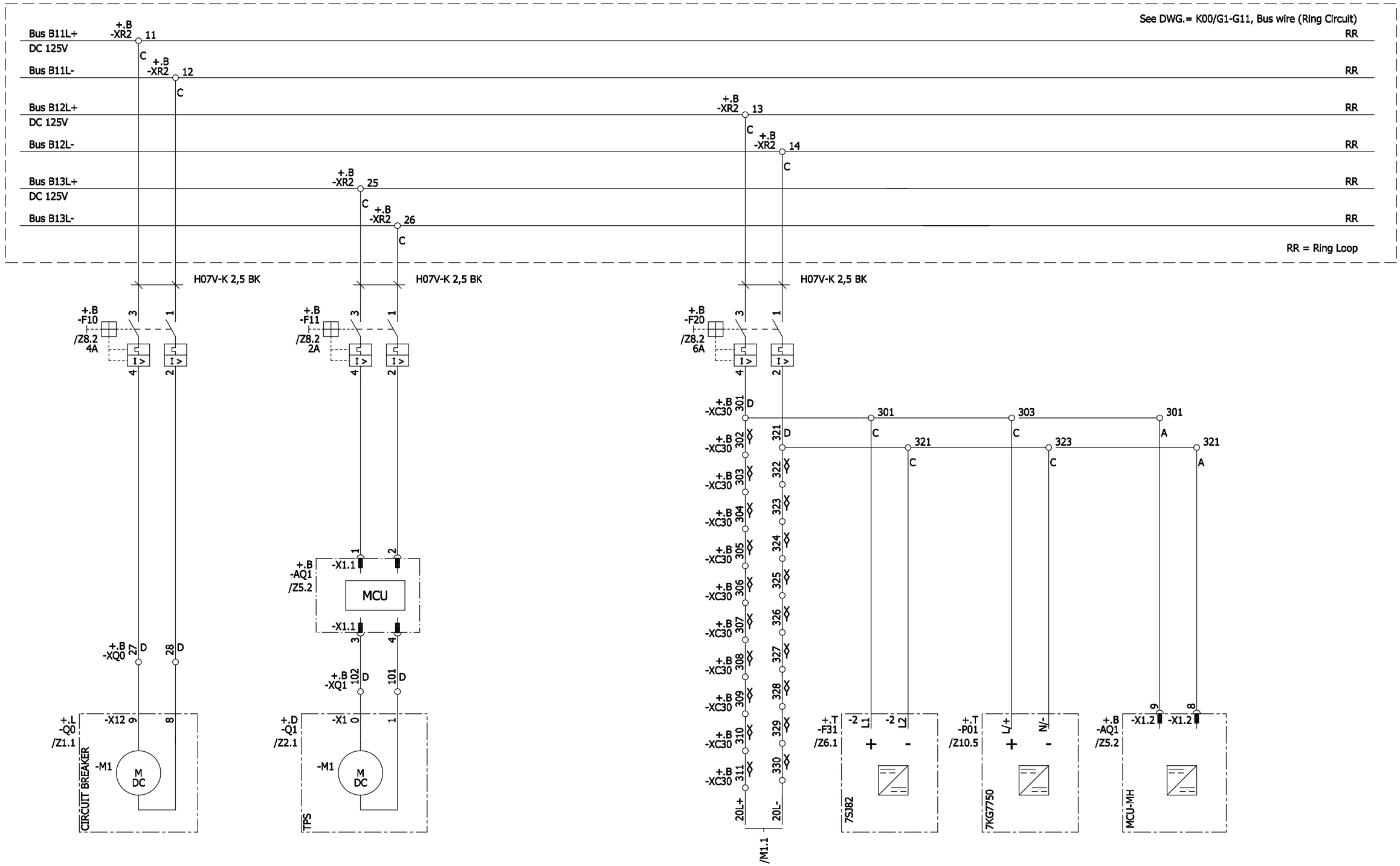
LV COMPARTMENT

DC POWER SUPPLY VOLTAGE FOR

CB. MOTOR DRIVE		TPS. MOTOR DRIVE				CONTROL CIRCUIT		PROTECTION RELAY		POWER METER		MCU-MH	
L+	L-	L+	L-			L+	L-	L+	L-	L+	L-	L+	L-



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02	G1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		POWER SUPPLY	998574-000501	(3) W92210-L1965-S025-A		Sheet 1-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				1 Sh.

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Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 1

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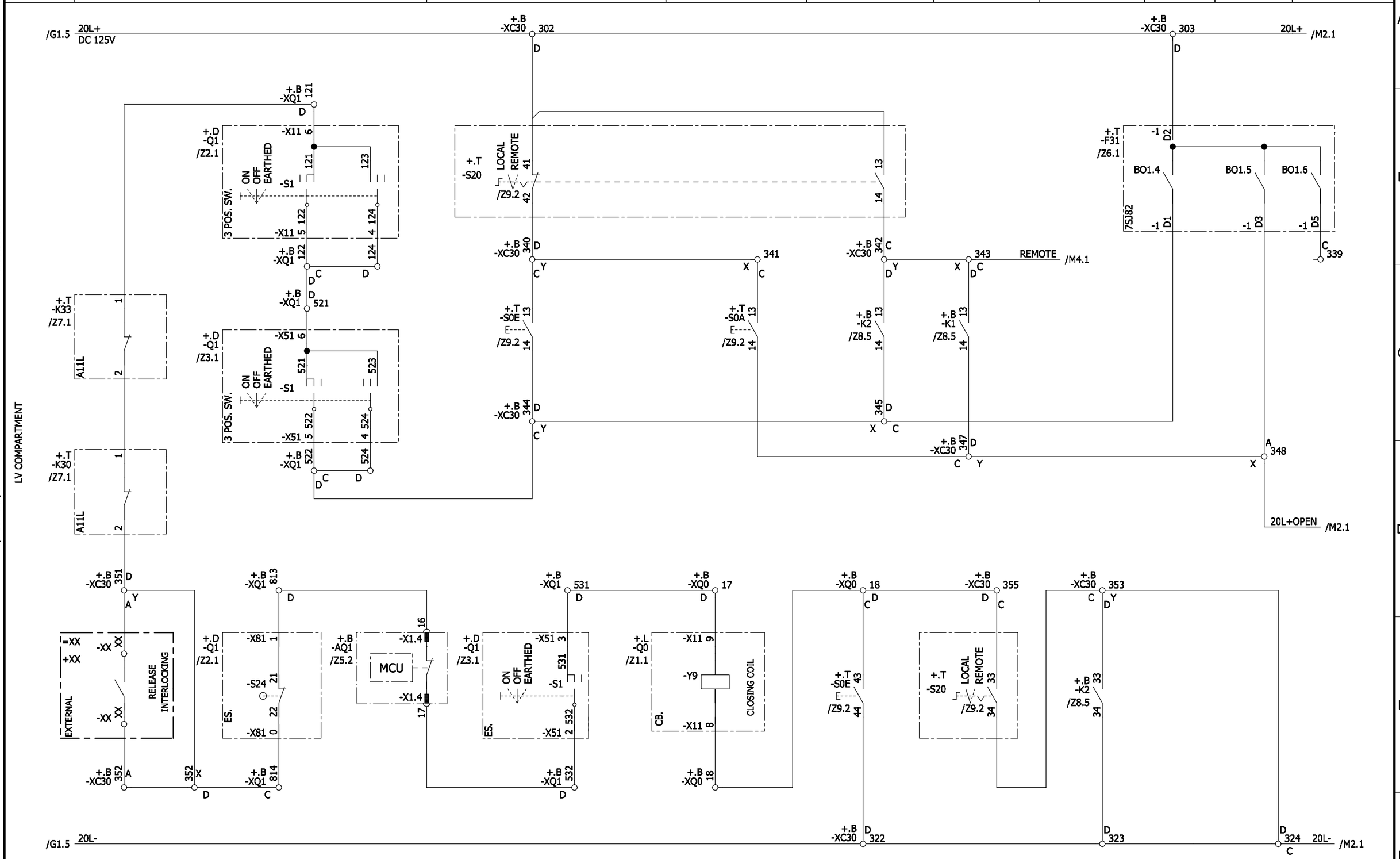
CIRCUIT BREAKER CLOSING CONTROL CIRCUIT

INTERLOCKING	LOCAL CONTROL CIRCUIT		REMOTE CONTROL CIRCUIT			PROTECTION RELAY	
	CLOSE	OPEN	CLOSE	OPEN		OPEN	CLOSE



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				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

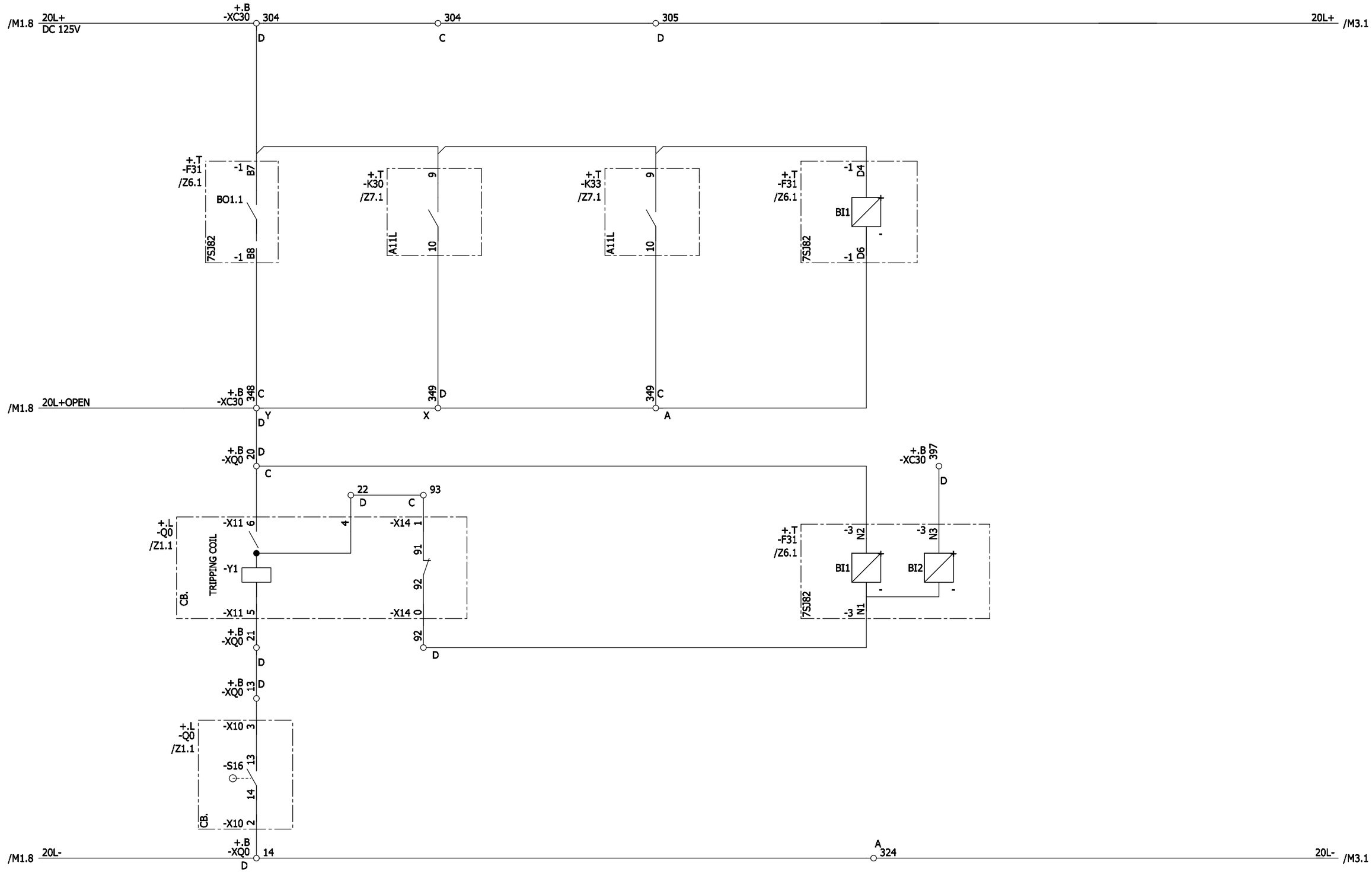
Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
CONTROL, CB. CLOSING/TRIPPING
Circuit diagram

=HZ02.1.1 S =H02 +H02 M1
998574-000501 (3) W92210-L1965-S025-A
Sheet 1+ 15 Sh.

CIRCUIT BREAKER TRIPPING CONTROL CIRCUIT

27/59	LOCK OUT RELAY 51,51N,67, 67N	86 LOCK OUT RELAY	TCS



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Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by					
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL, CB. CLOSING/TRIPPING	998574-000501	(3) W92210-L1965-S025-A	M2
								Circuit diagram			Sheet 2+
											15 Sh.

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Symbol library4:

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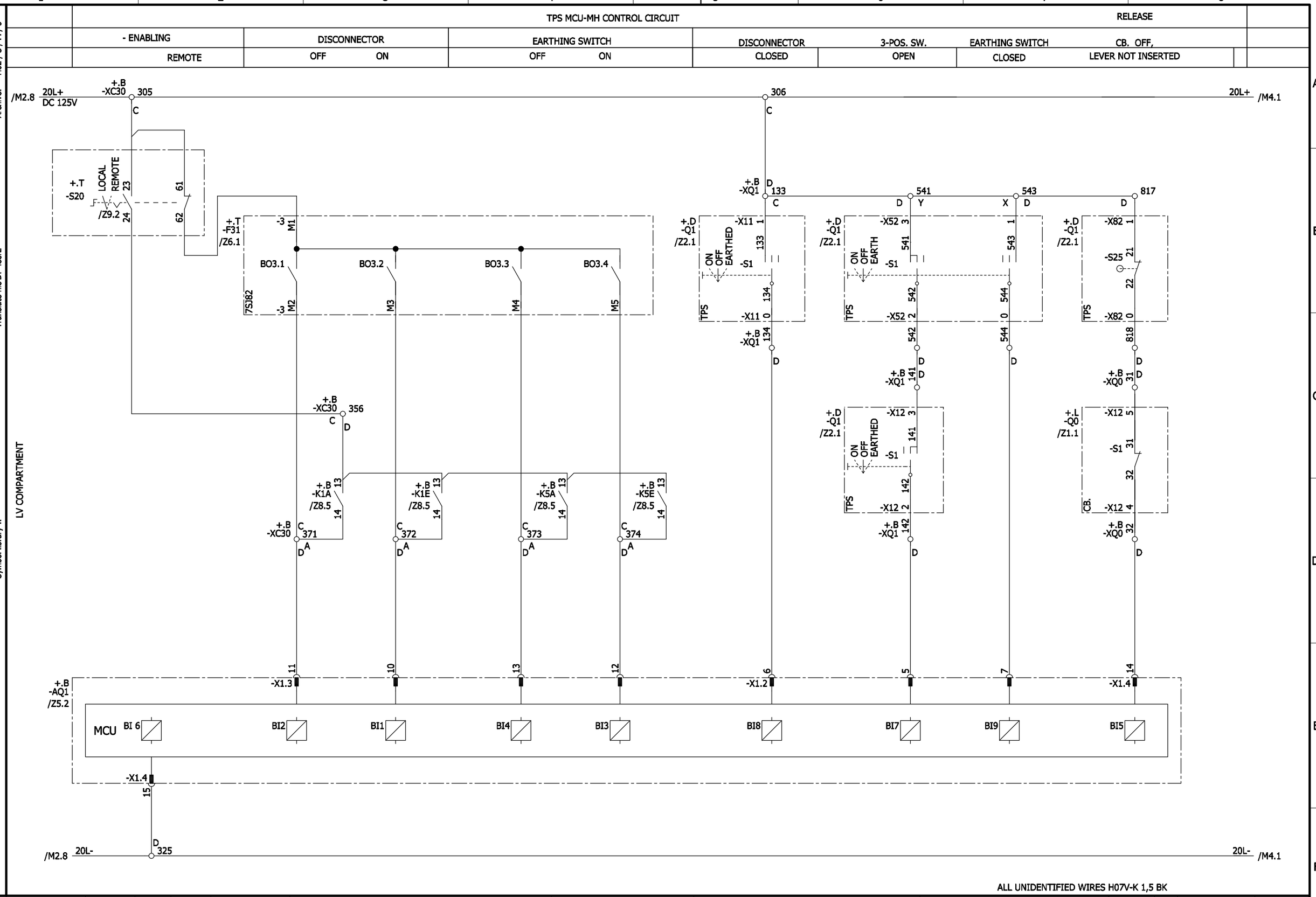

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 3
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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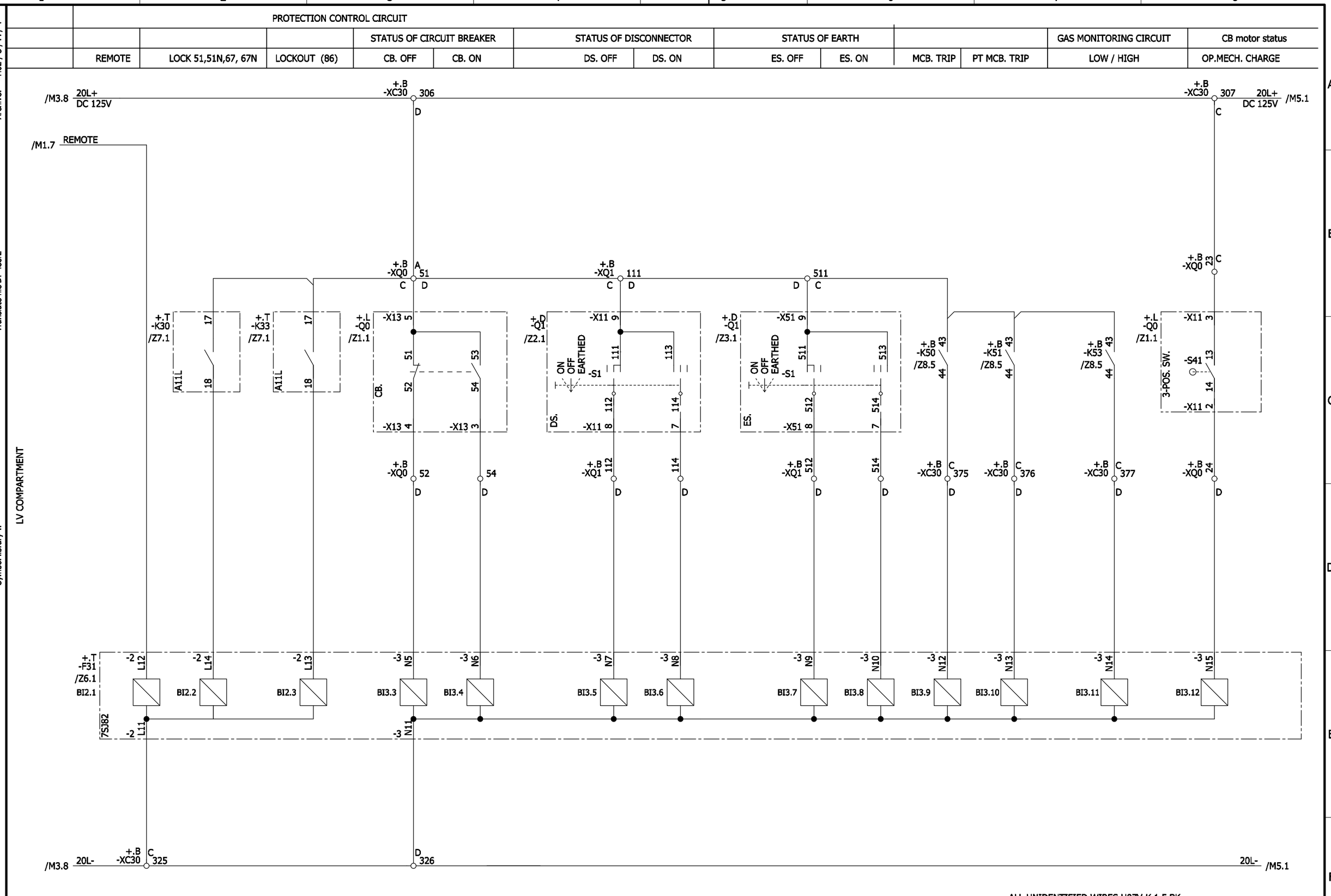
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL, CB. CLOSING/TRIPPING	998574-000501	(3) W92210-L1965-S025-A	M3
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			Sheet 3+ 15 Sh.



ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 4

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION
				Drawn	Herrmann	Siemens Limited (Taipei)
				Date	07.04.2021	Vena new energy company / TW

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
CONTROL CIRCUIT
Circuit diagram

998574-000501 | (3) W92210-L1965-S025-A

=HZ02.1.1 | S | =H02 | +H02 | M4 | Sheet 4+ | 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 5
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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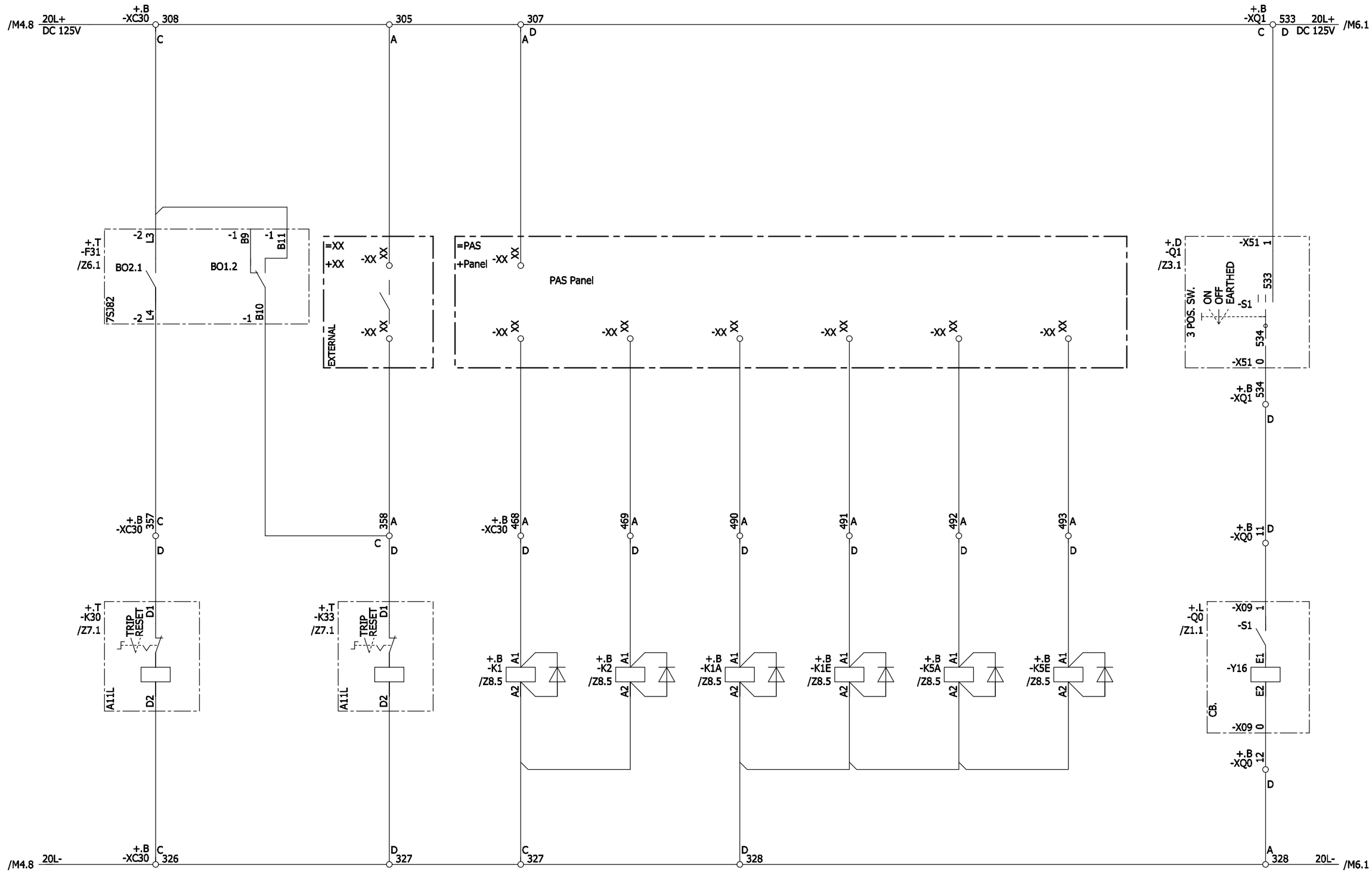
CIRCUIT BREAKER TRIP CONTROL					TPS PAS CONTROL					
CIRCUIT BREAKER TRIP BY			PAS CONTROL CIRCUIT		DISCONNECTOR		EARTHING SWITCH		INTERLOCKING COIL	
51,51N,67, 67N TRIP	86 TRIP	EXTERNAL TRIP	CB. OFF	CB. ON	OFF	ON	OFF	ON	CB. OPER.MECHANISM BLOCKED	



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501	(3) W92210-L1965-S025-A	M5
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			Sheet 5+ / 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 6
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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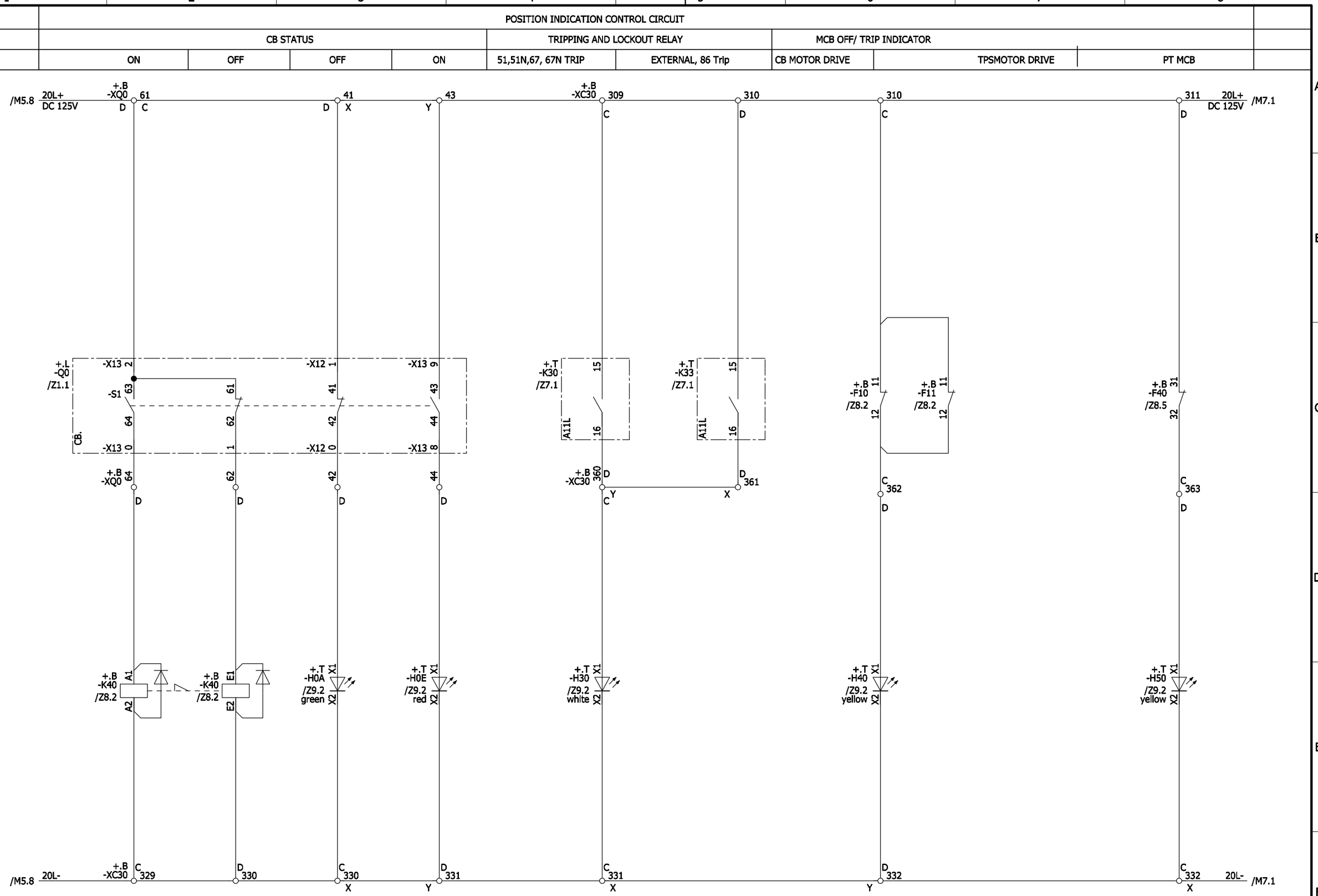
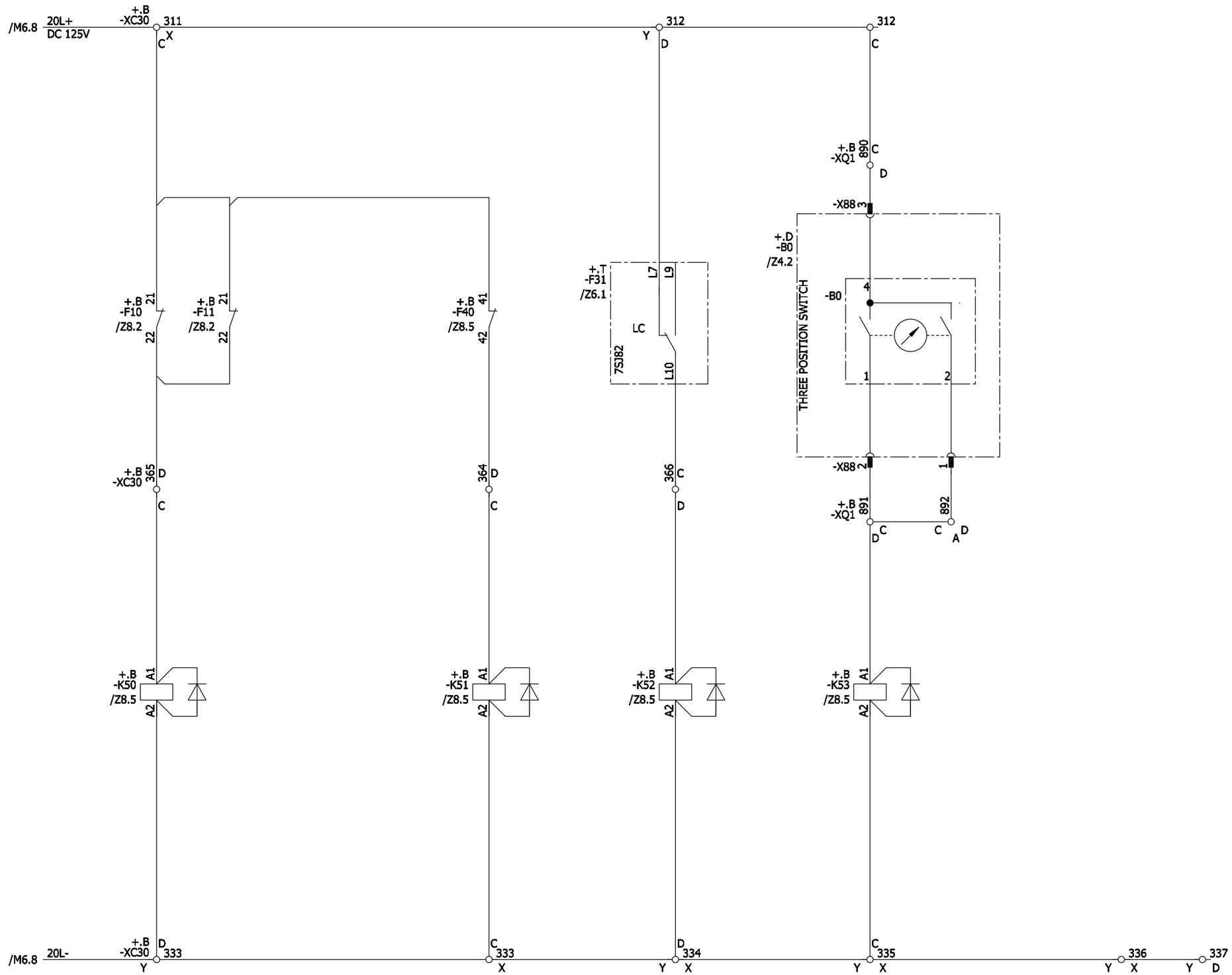


				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501	(3) W92210-L1965-S025-A	M6
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			Sheet 6+ 15 Sh.

	SIGNAL CONTACT		GAS MONITORING CIRCUIT	
	MCB OFF/TRIP		PROTECTION RELAY	CB. SF6-GAS MONITORING
	DC MCB TRIP	PT MCB TRIP	LIVE STATUS CONTACT	LOW/HIGH



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S =H02		
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER		+H02	M7
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S025-A	Sheet 7+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 7

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 8
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
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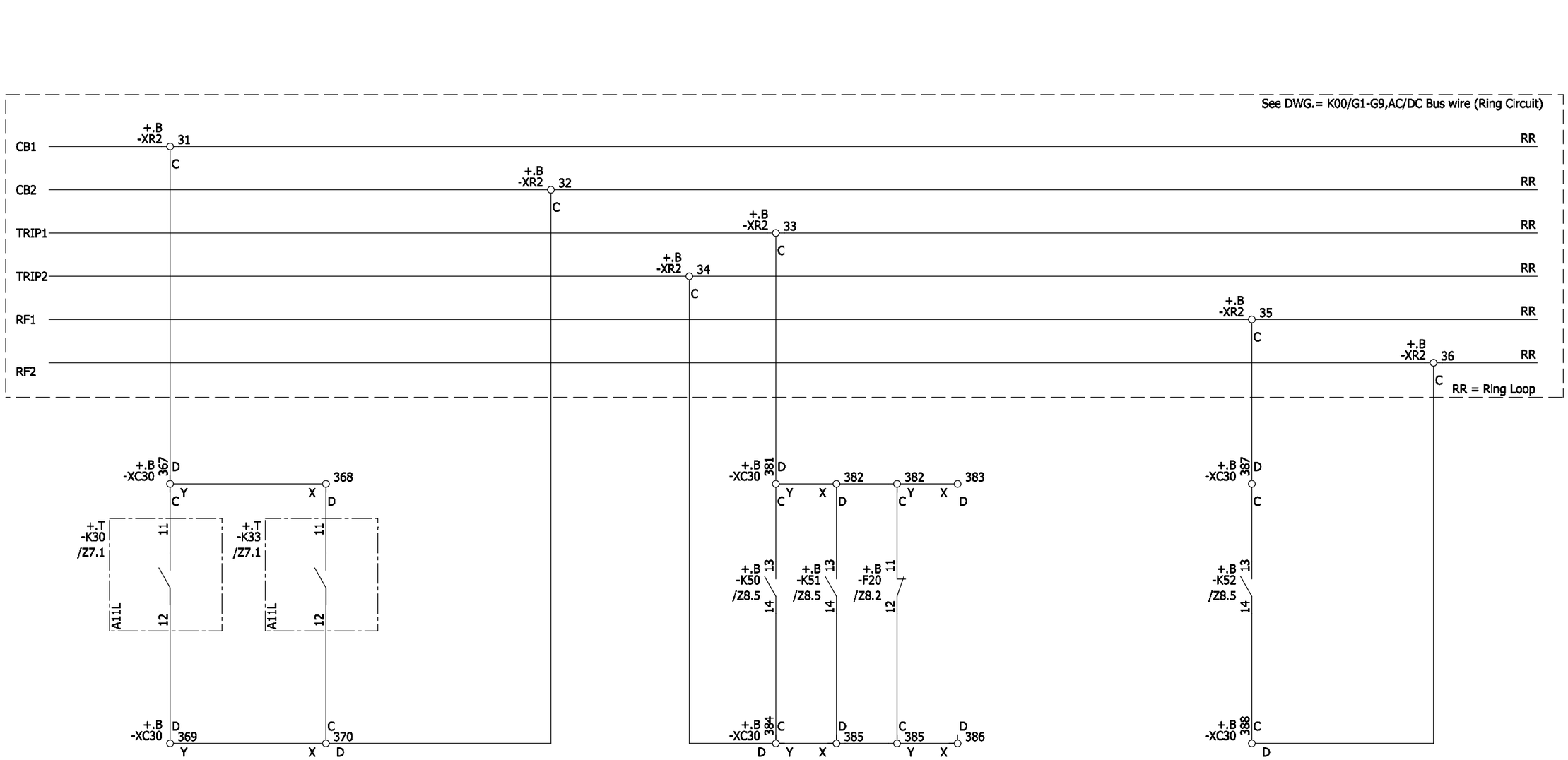


ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S =H02		
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER		+H02	M8
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S025-A	Sheet 8+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			15 Sh.

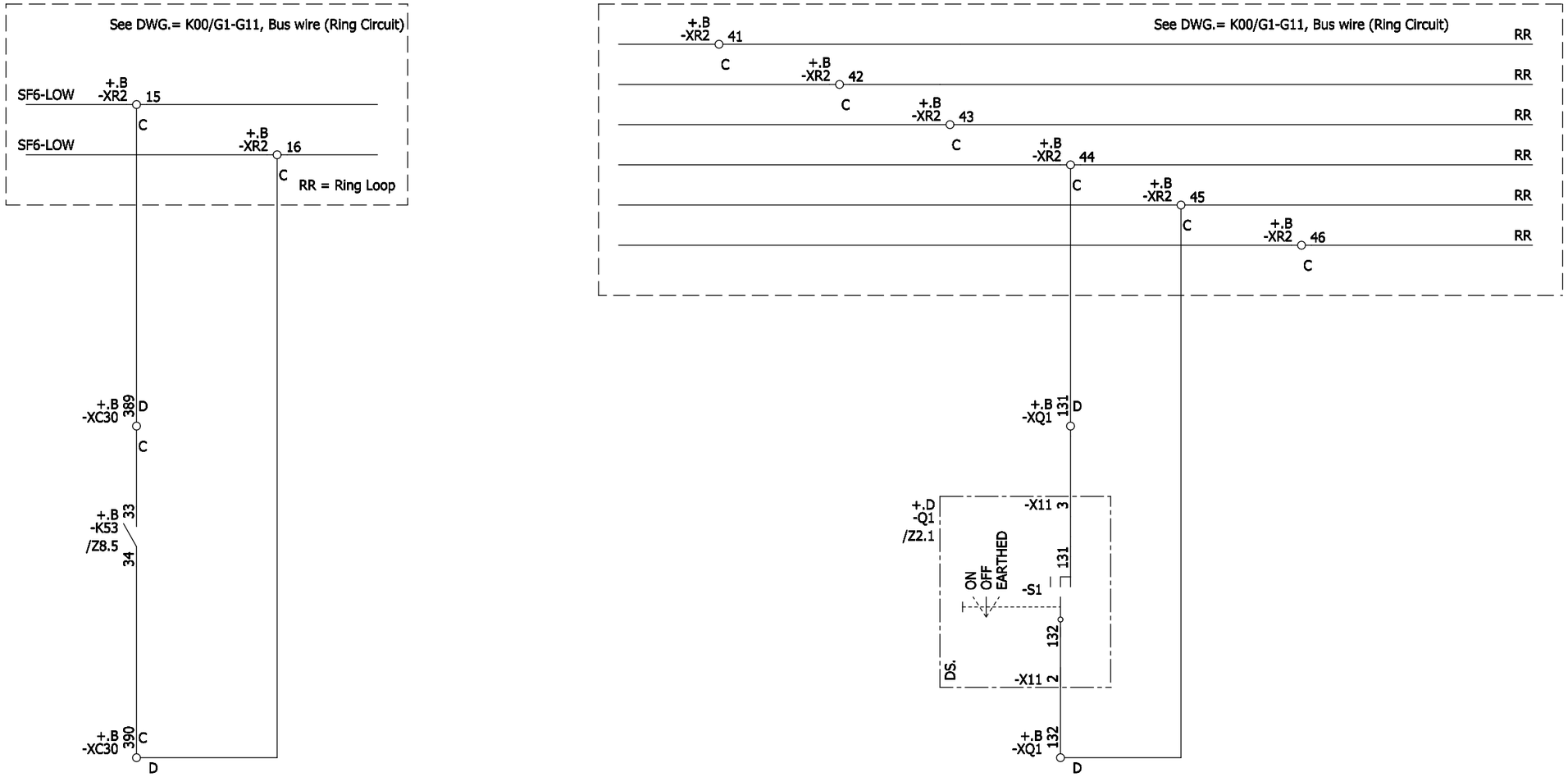
SIGNAL CONTACT FOR BUS WIRE

GAS MONITORING CIRCUIT

FOR CB. COMPARTMENT

INTERLOCKING BB ES

DS OFF



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		S	=H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	=HZ02.1.1		+H02	M9
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S025-A		Sheet 9+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 9

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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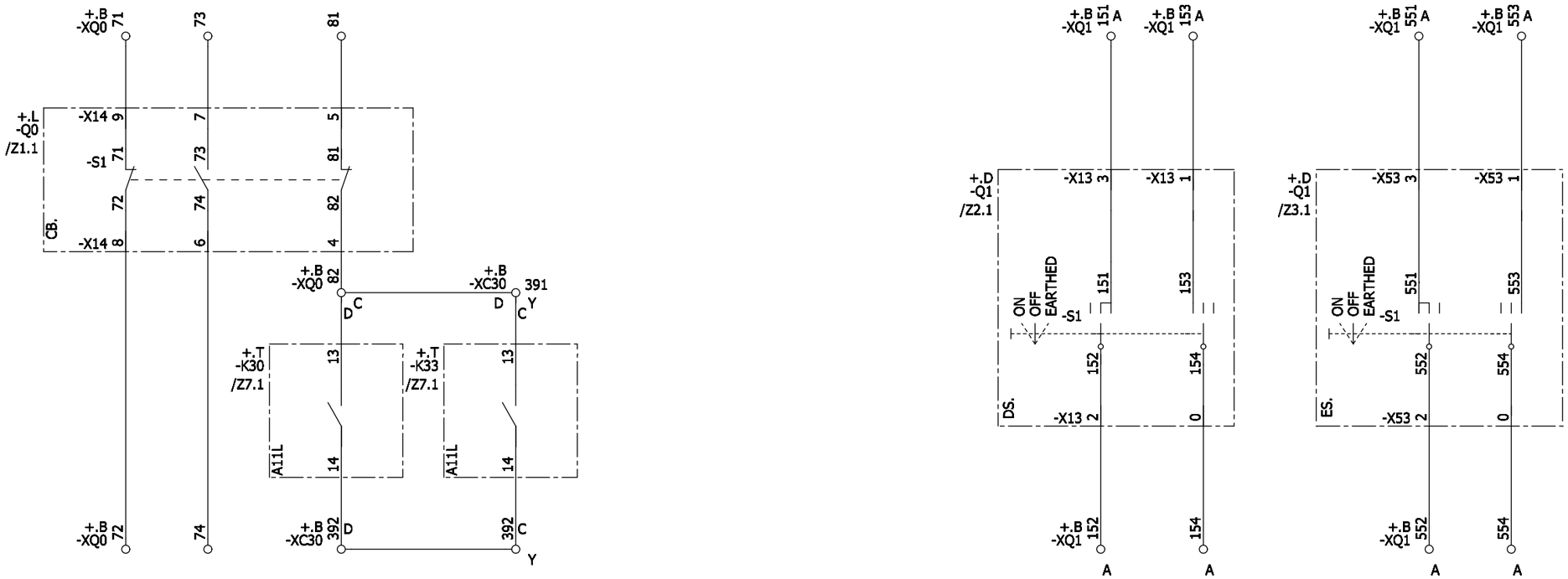
SIGNAL CONTACT FOR EXTERNAL							
CIRCUIT BREAKER			ISOLATOR SWITCH		EARTHING SWITCH		
OFF	ON	TRIP	OFF	ON	OFF	ON	



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 10

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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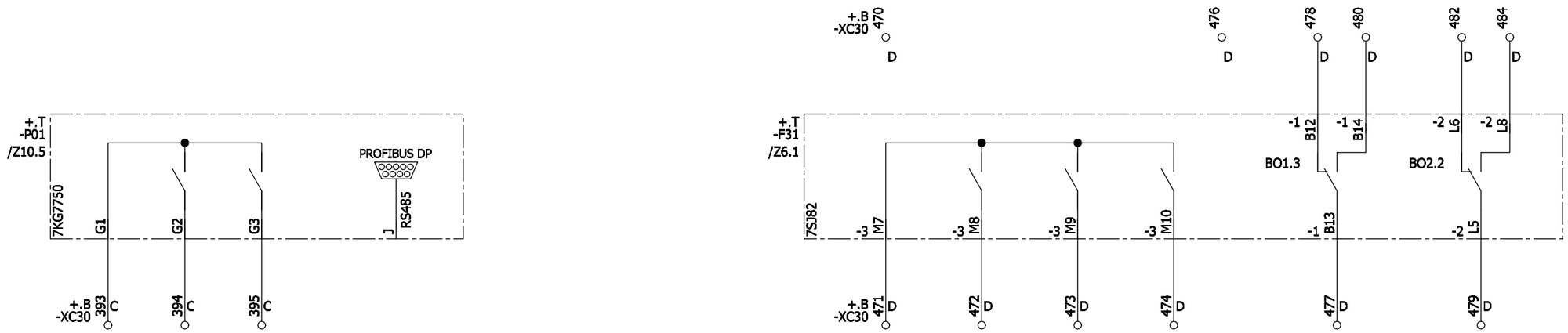
Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
SIGNAL CONTACT FOR EXTERNAL
Circuit diagram

=HZ02.1.1 S =H02 +H02 M10
998574-000501 (3) W92210-L1965-S025-A
Sheet 10+ 15 Sh.

SIGNAL CONTACT FOR EXTERNAL										
POWER METER				LOCKOUT RELAY						
COMMUNICATION INTERFACE			SPARE	SPARE	51/51N	50/50N	SPARE	SPARE		



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S025-A	M11
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			Sheet 11+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 11

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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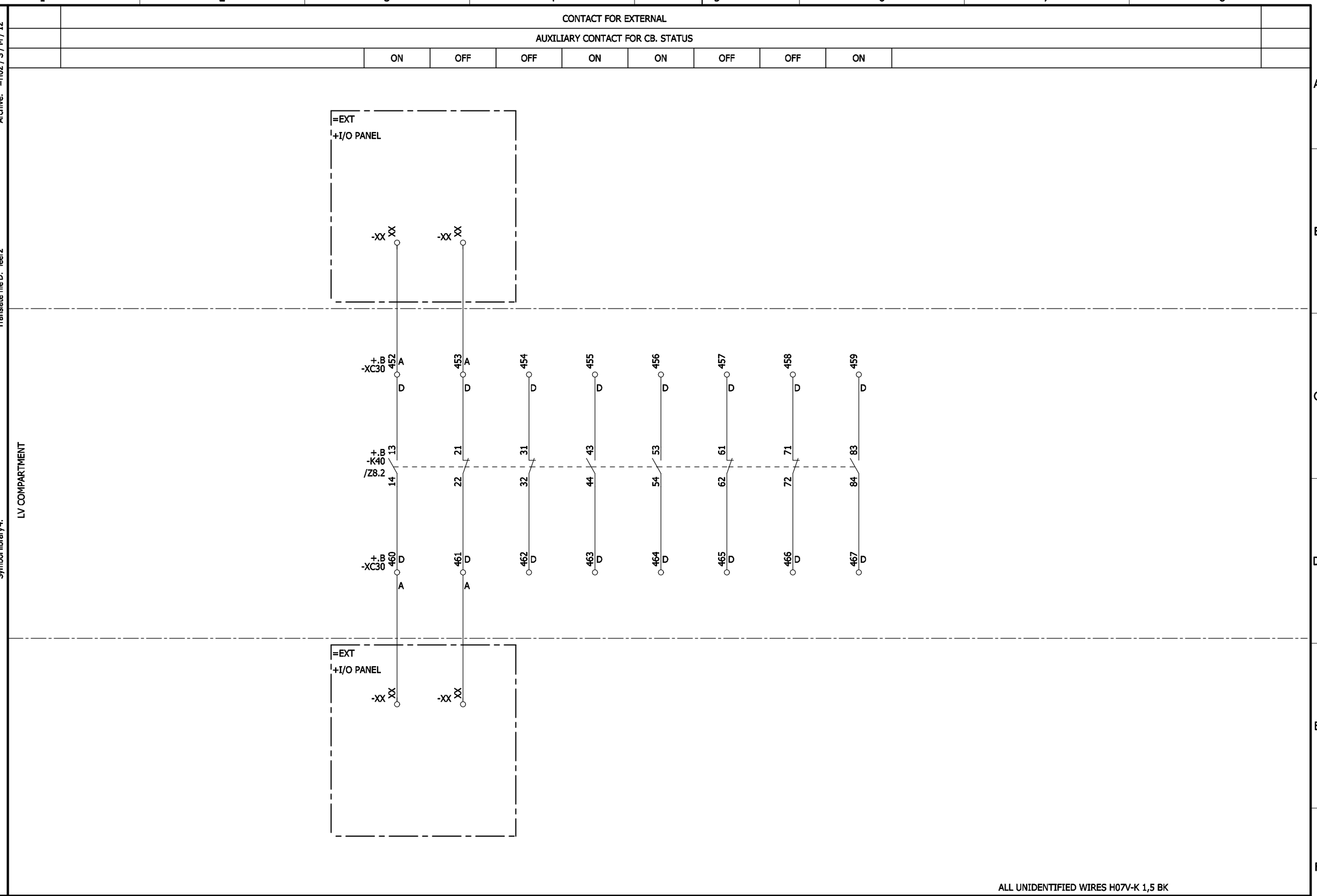

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		INDICATION / STATUS	998574-000501	(3) W92210-L1965-S025-A	M12
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			Sheet 12+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 12

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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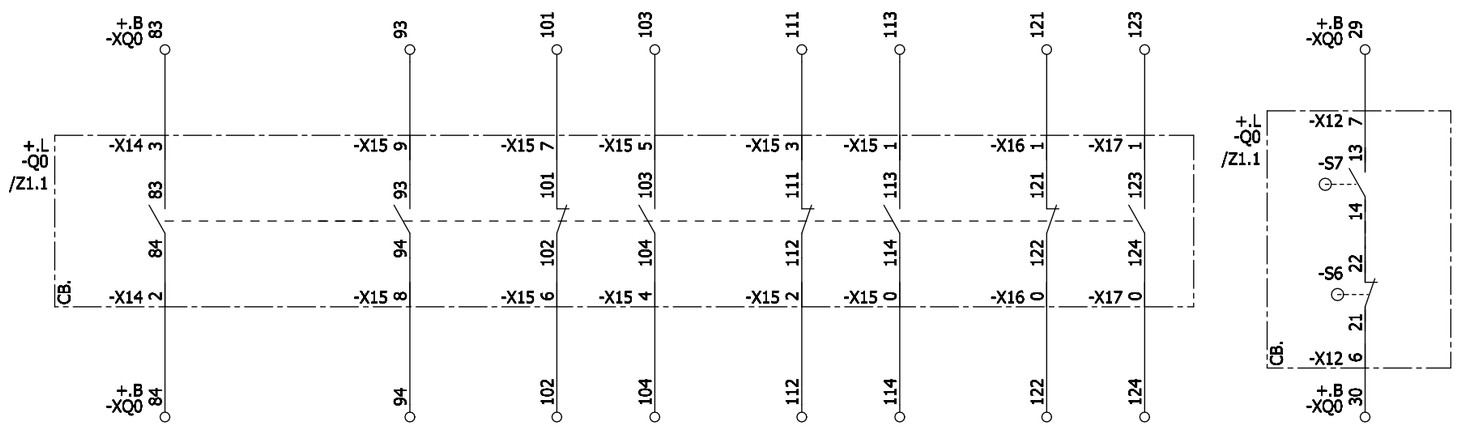
	CONTACT FOR EXTERNAL										
		CIRCUIT BREAKER								BREAKER TRIPPING	
		ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	INDICATION



LV COMPARTMENT

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV				
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	=HZ02.1.1	S	=H02	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT			+H02	M13
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S025-A		Sheet 13+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 13

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 14

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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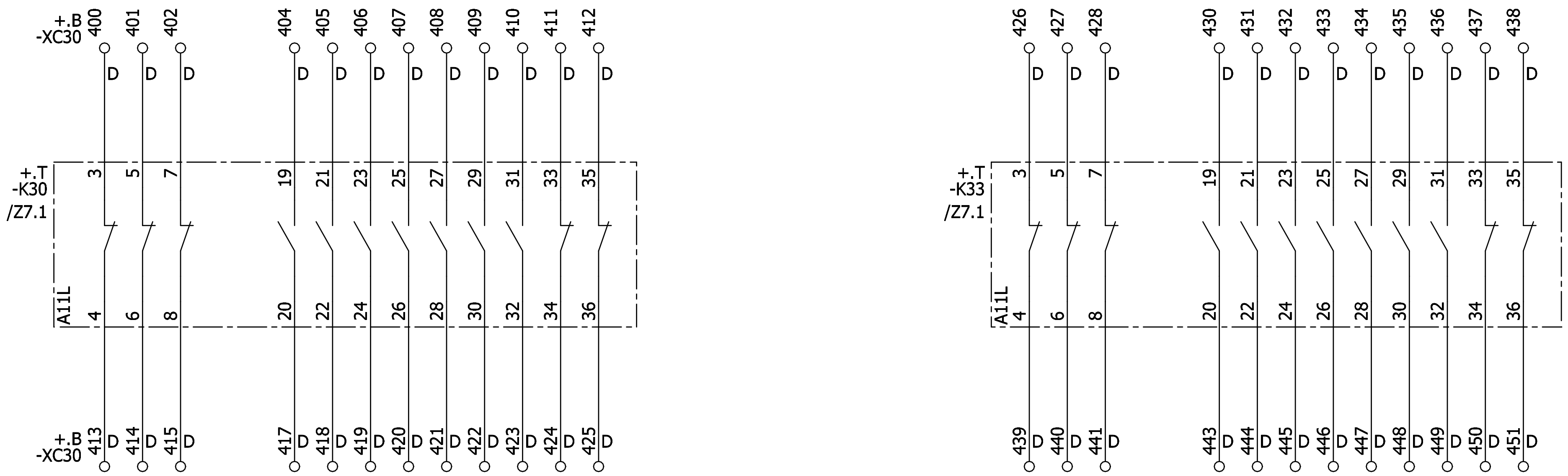
SIGNAL CONTACT FOR EXTERNAL

SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE

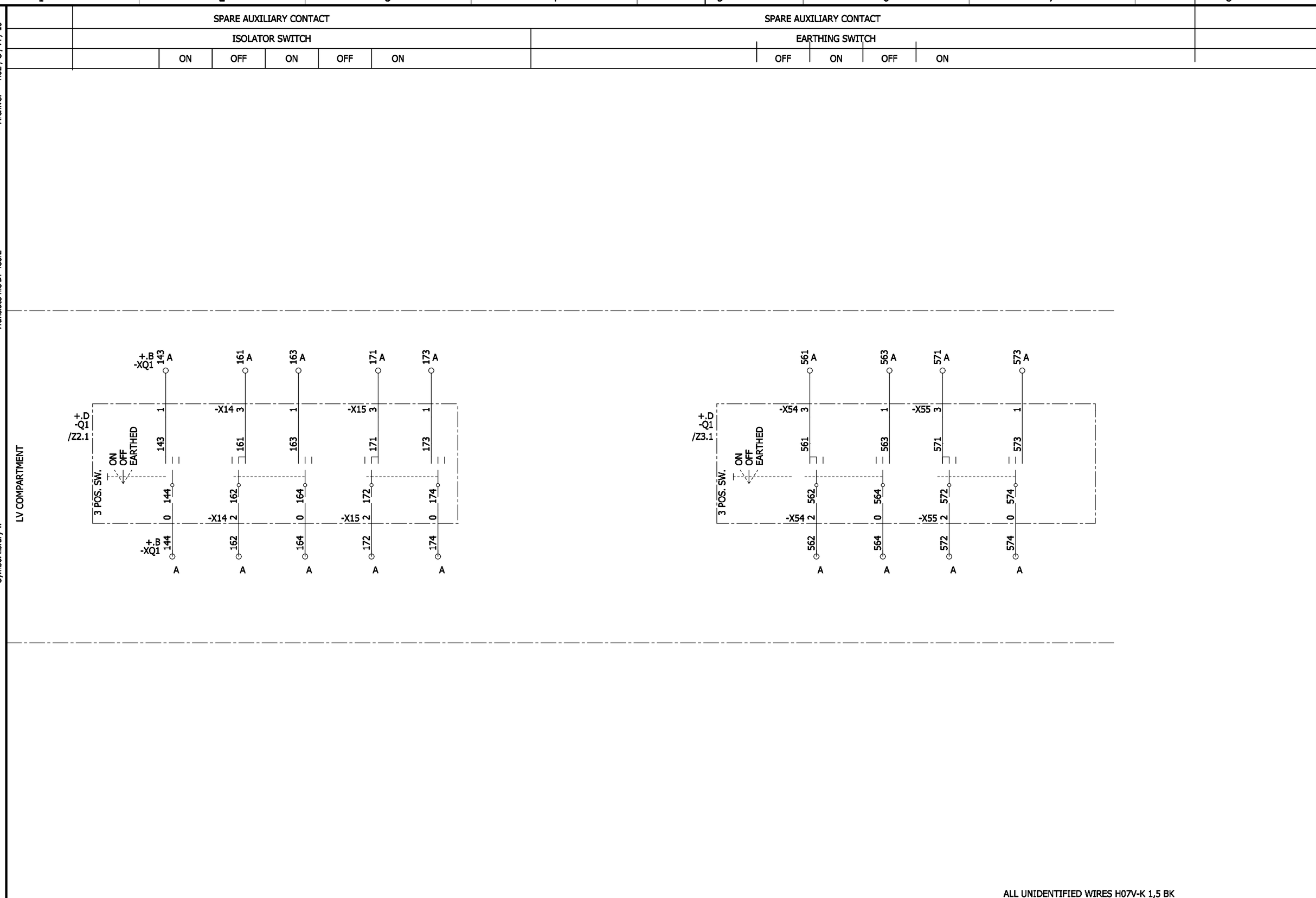
SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE

LV COMPARTMENT



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S =H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H02 M14
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501 (3) W92210-L1965-S025-A Sheet 14+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	15 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501	(3) W92210-L1965-S025-A	M15
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			Sheet 15-15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / M / 15

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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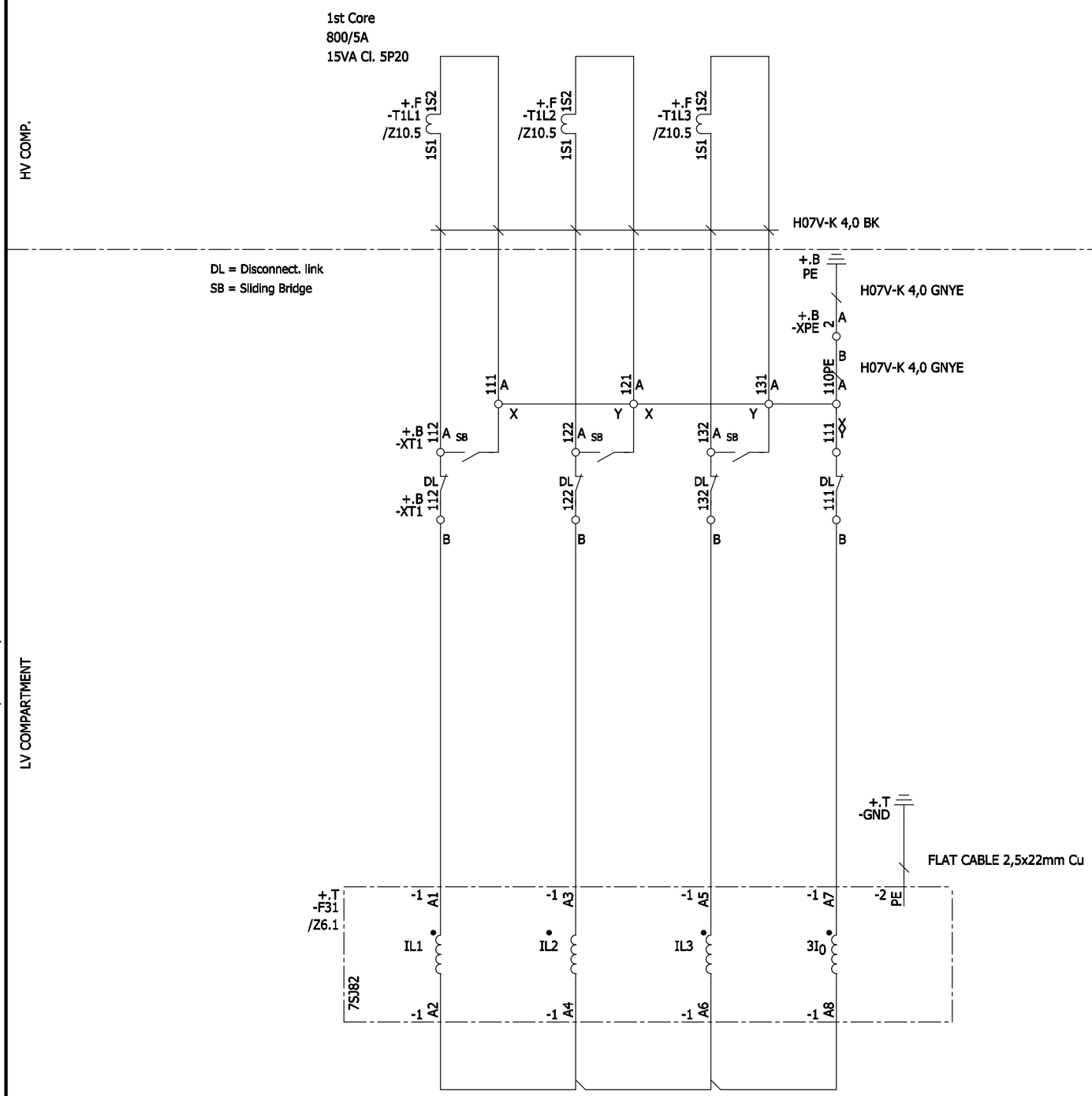
1st SECONDARY CORE OF CURRENT TRAMSFORMER

FOR PROTECTION



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / S / 1

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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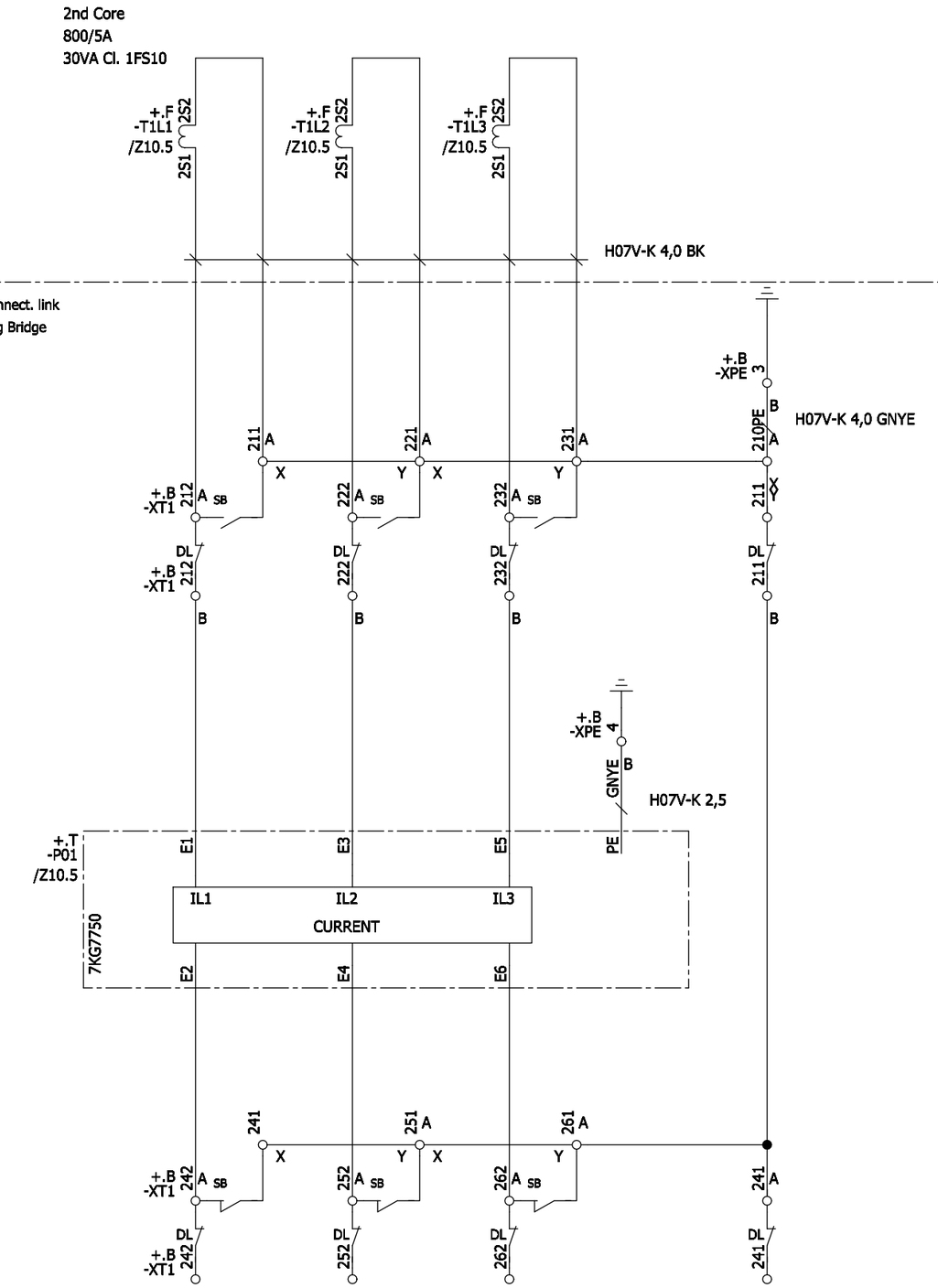
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S	=H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER		+H02	S1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS	998574-000501	(3) W92210-L1965-S025-A	Sheet 1+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			4 Sh.

2nd SECONDARY CORE OF CURRENT TRAMSFORMER

FOR METERING



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02	S2
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS	998574-000501	(3) W92210-L1965-S025-A		Sheet 2+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				4 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / S / 2

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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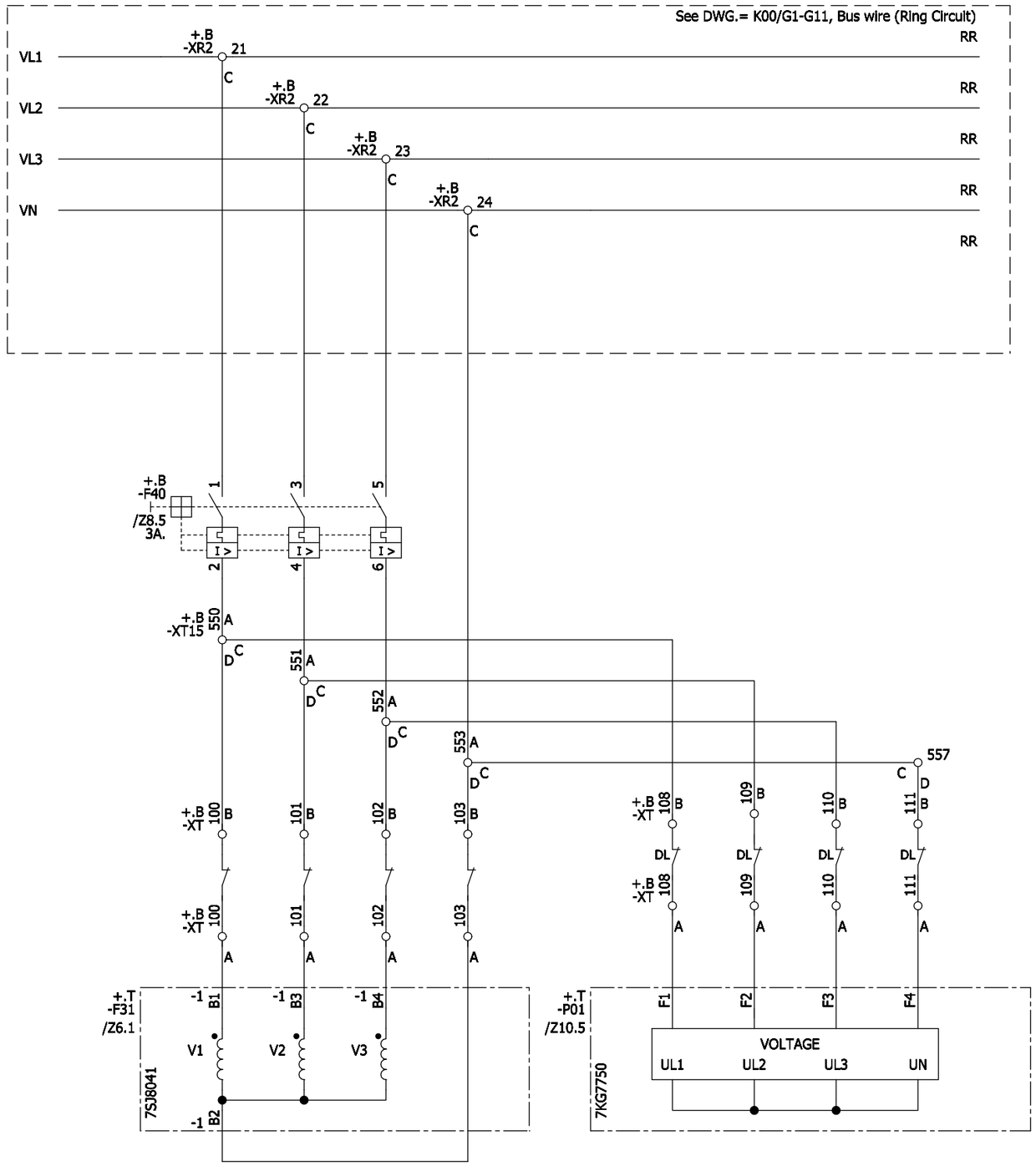
SECONDARY WINDING OF BUSBAR VOLTAGE TRAFO

FROM AC. BUSWIRE VOLTAGE (INCOMING FEEDER)

FOR METERING



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S =H02		
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H02	S3	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS	998574-000501	(3) W92210-L1965-S025-A	Sheet 3+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			4 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / S / 3

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

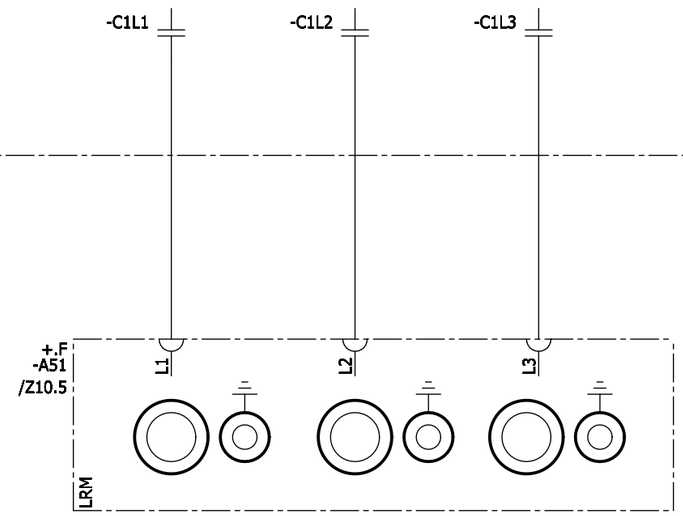
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

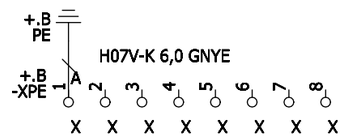
Archive: =H02 / S / S / 4

HV COMP.

LV COMPARTMENT

CAP. VOLTAGE TAP



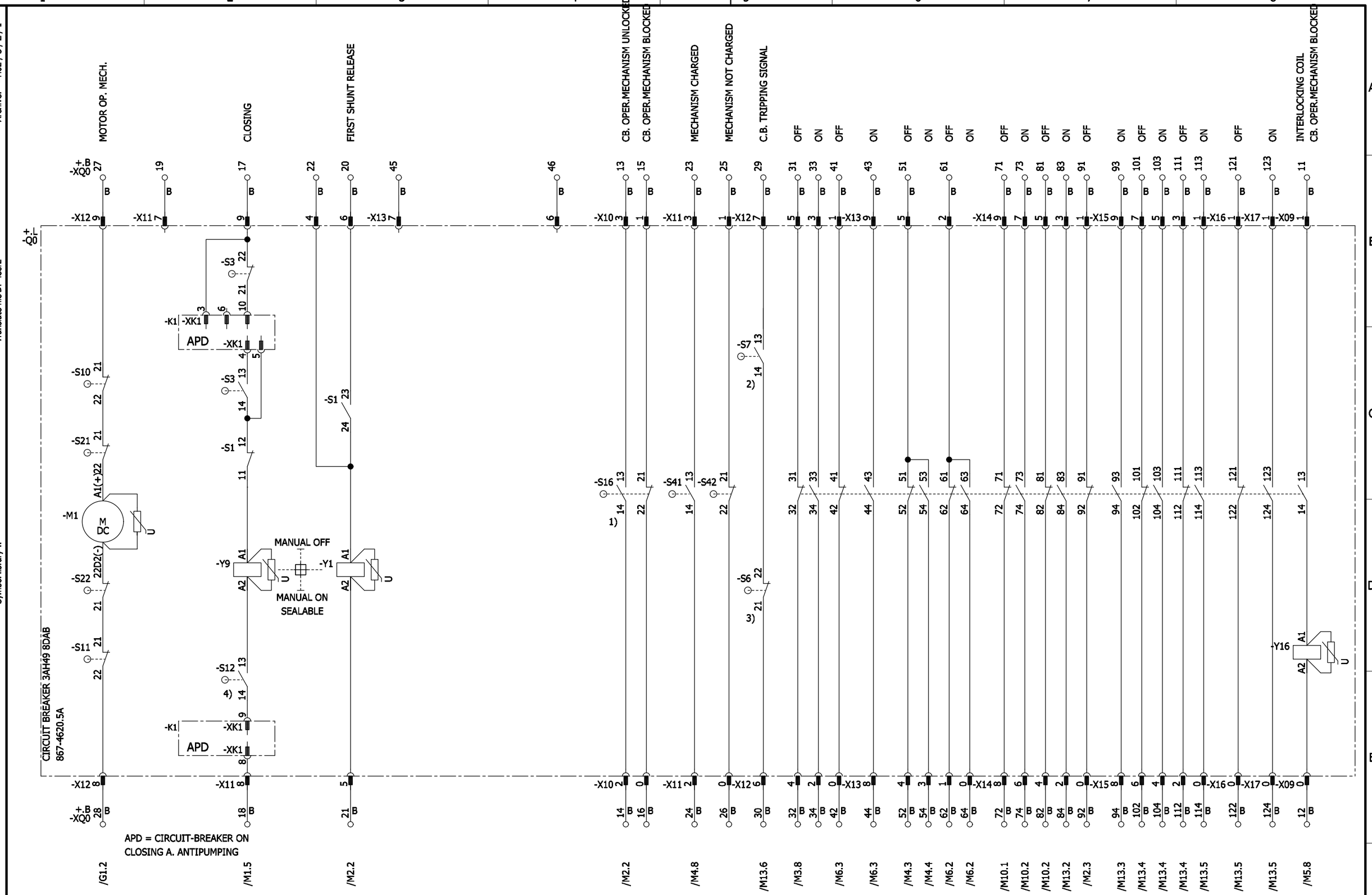


ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CAPDIS-S1+	998574-000501	(3) W92210-L1965-S025-A	
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			

S4

Sheet 4-4 Sh.



1) OPERATES WHEN CB. TRIP IS NOT LOCKED OUT

2) OPERATES WHEN MECH. OFF IS NOT PRESSED

3) OPERATES WHEN NO TRIPPING

4) INTERLOCKING OF ELECTRICAL CLOSING OF THE CB IN CASE OF MANUAL OPERATION OF THE THREE-POSITION SWITCH

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / Z / 1

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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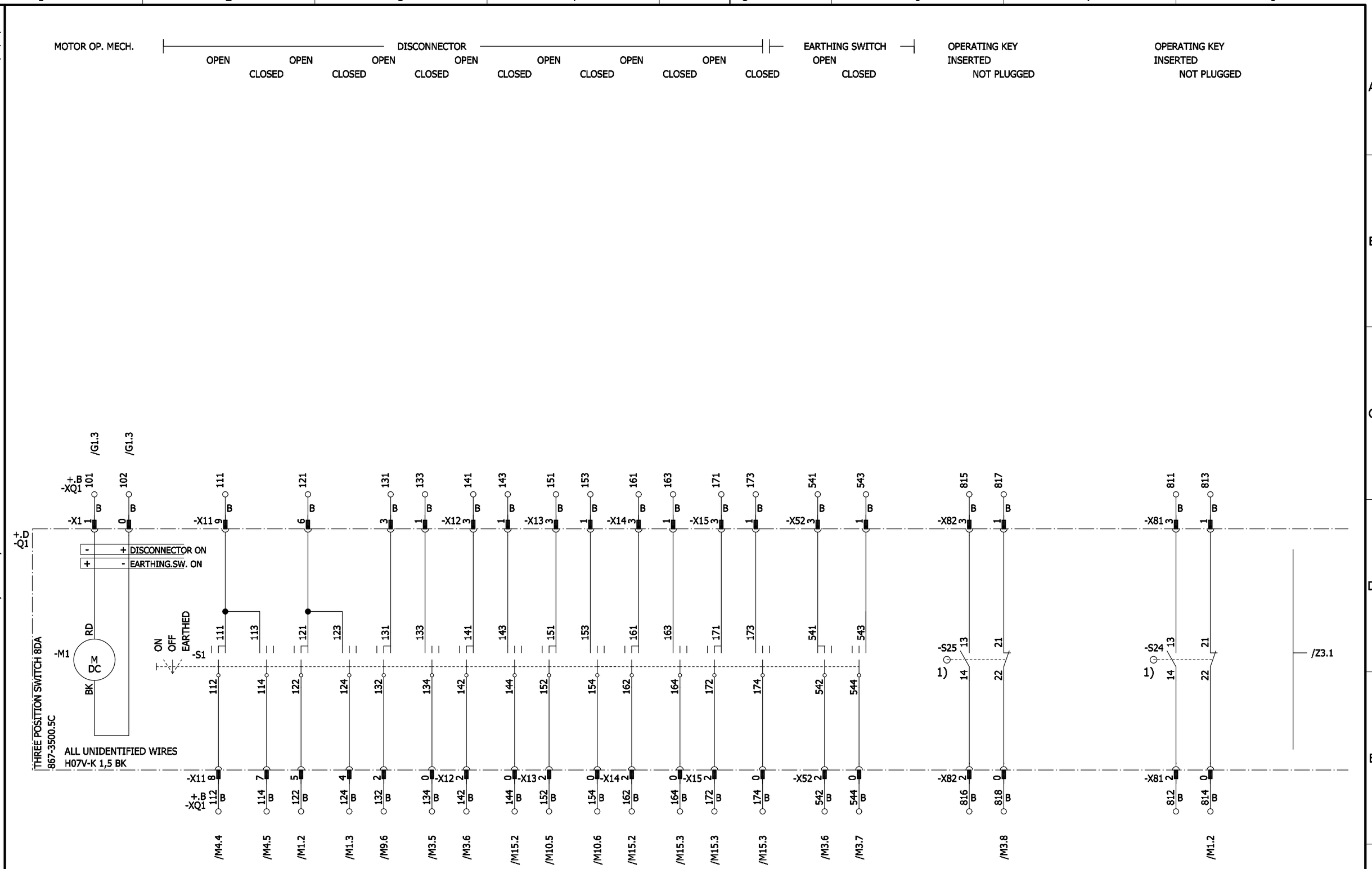
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02	Z1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CIRCUIT BREAKER	998574-000501	(3) W92210-L1965-S025-A		Sheet 1+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				10 Sh.



1) SHOWN WITH LEVER NOT INSERTED

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / Z / 2

Revision	Modification	Date	Name				
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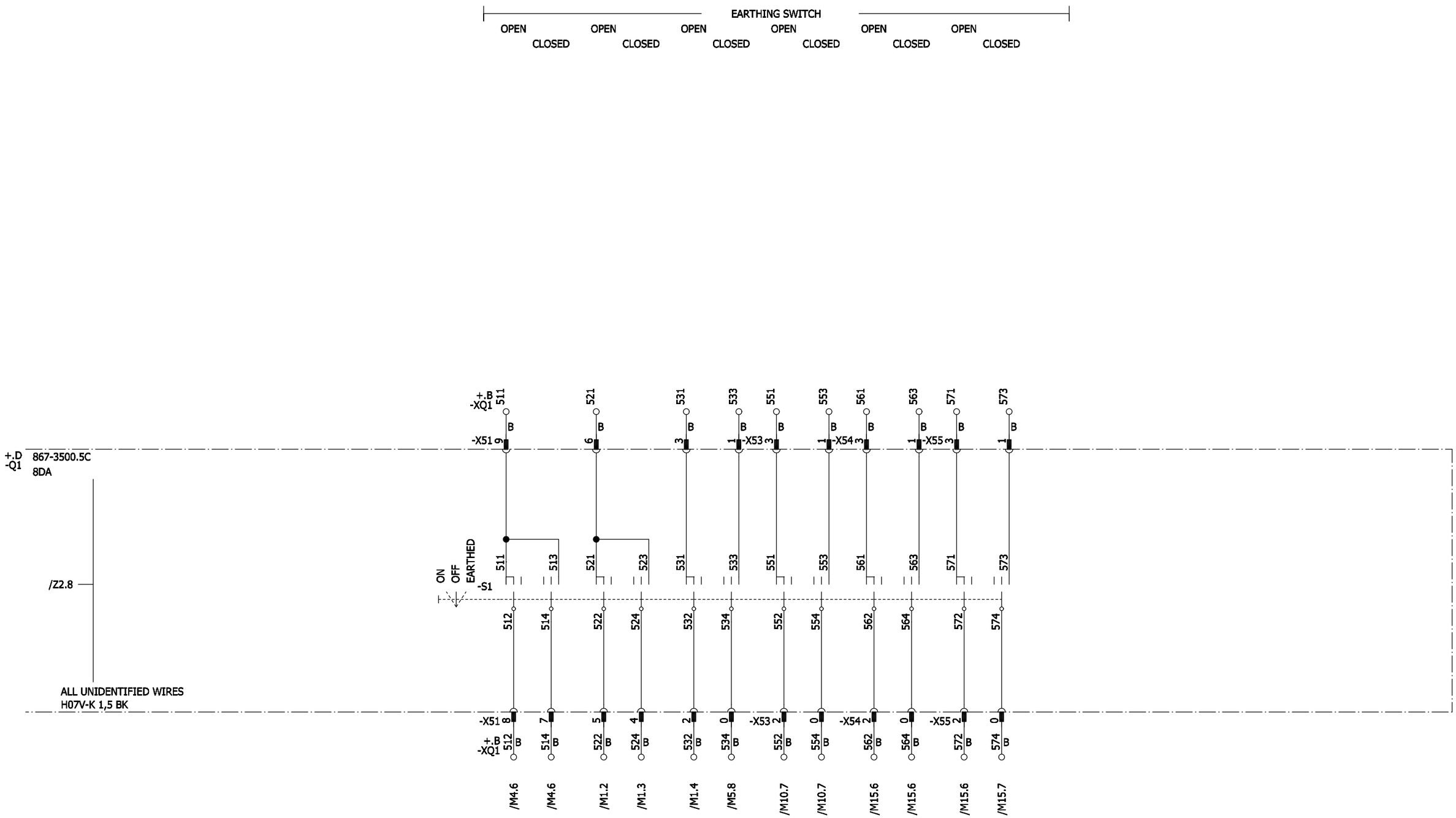
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
THREE POSITION SWITCH
Circuit diagram

=HZ02.1.1 S =H02
+H02 Z2
998574-000501 (3) W92210-L1965-S025-A
Sheet 2+ 10 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S =H02		
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER		+H02	Z3
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		THREE POSITION SWITCH	998574-000501	(3) W92210-L1965-S025-A	Sheet 3+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			10 Sh.

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

Archive: =H02 / S / Z / 3

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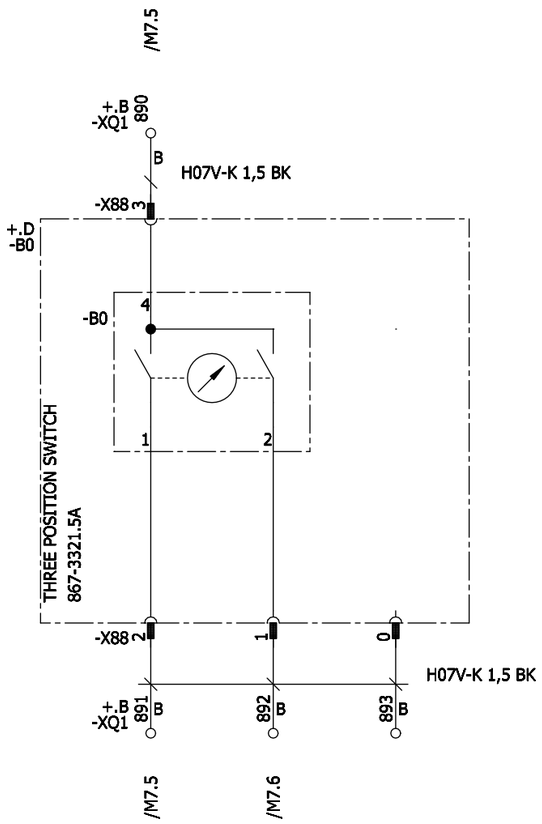
GAS PRESSURE MONITORING
CIRCUIT BREAKER -Q0
P< P>

PLEASE NOTE:

MANOMETER WITH 2 ALARM CONTACTS (STANDARD)
CONTACT 1: UNDERPRESSURE P<
CONTACT 2: OVERPRESSURE P>



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Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

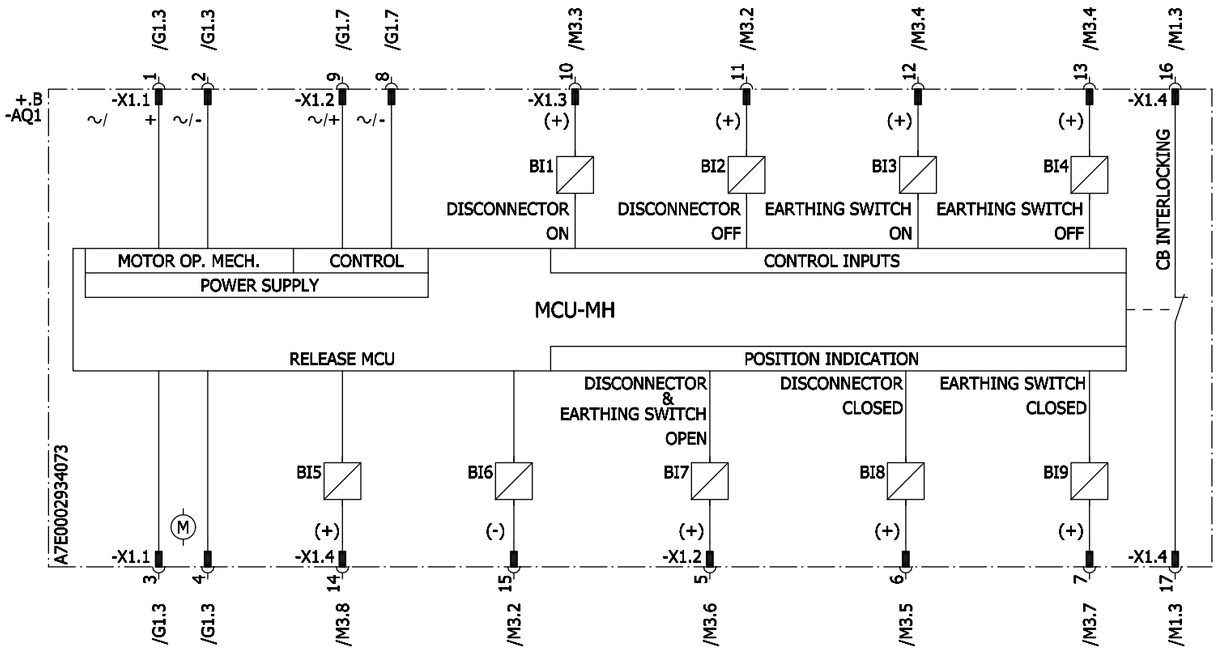
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

Archive: =H02 / S / Z / 4

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		VOIS +	998574-000501	(3) W92210-L1965-S025-A	
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			

Z4
Sheet 4+
10 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02	Z5
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		PROTECTION DEVICE	998574-000501	(3) W92210-L1965-S025-A		Sheet 5+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / Z / 5

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / Z / 6

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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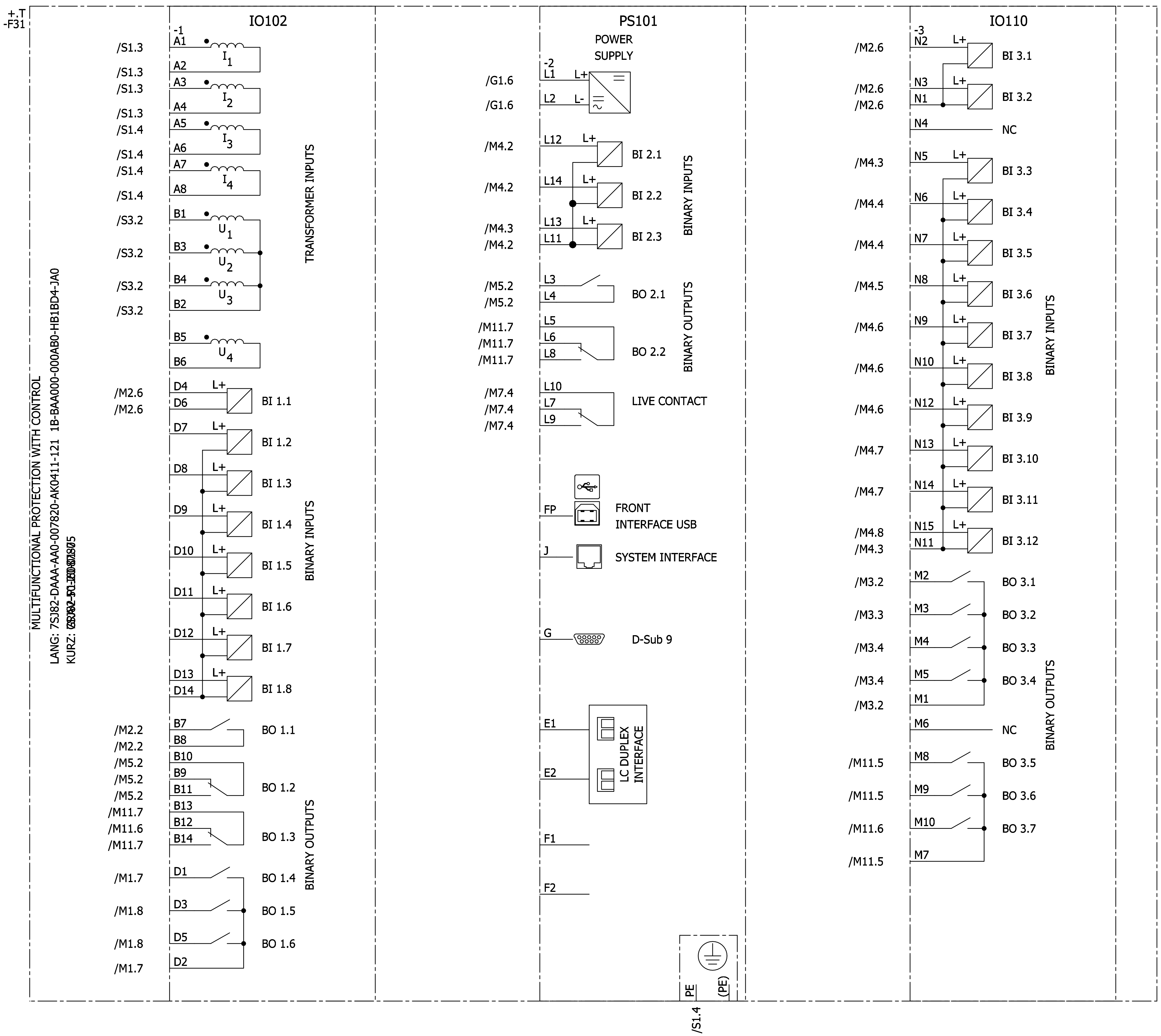
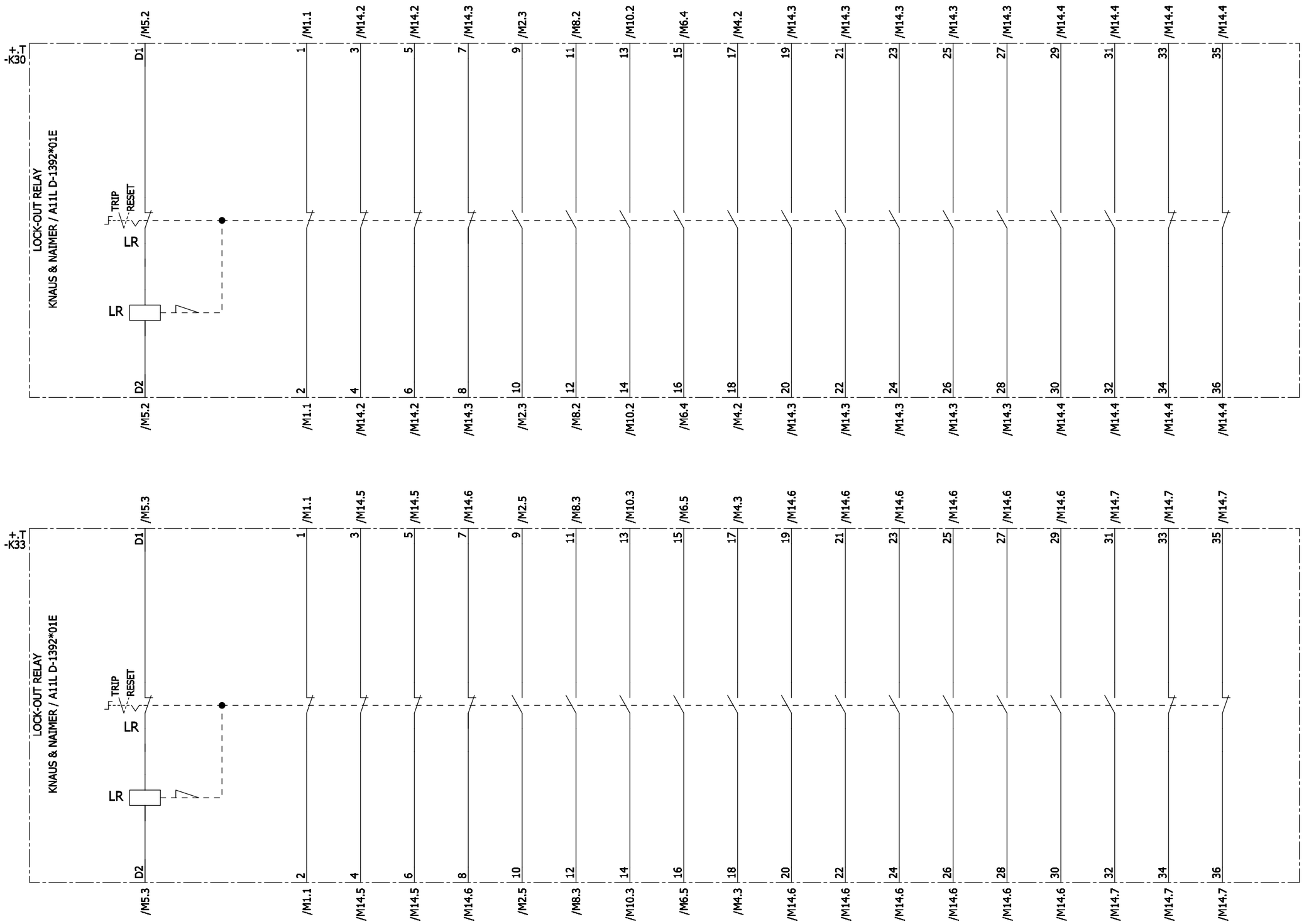


ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram

=HZ02.1.1	S	=H02	
		+H02	Z6
998574-000501	(3) W92210-L1965-S025-A		Sheet 6+
			10 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S	=H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER		+H02	Z7
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501	(3) W92210-L1965-S025-A	Sheet 7+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / Z / 7

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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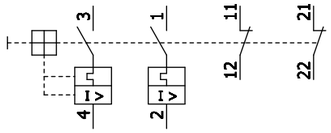
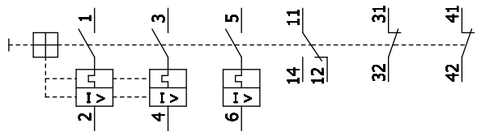
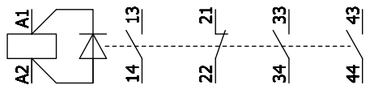


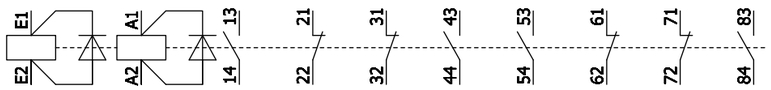
5SY5232-7 +.B 2-pol, C 32A -F1 5ST3012 2NC CB. MOTOR DRIVE				
5SY5232-7 +.B 2-pol, C 32A -F2 5ST3012 2NC CONTROL/PROTECTION				
5SY5232-7 +.B 2-pol, C 32A -F3 5ST3012 2NC TPS. MOTOR DRIVE				
5SY5204-7 +.B 2-pol, C 4A -F10 5ST3012 2NC CB. MOTOR DRIVE	/G1.2	/G1.2	/M6.6	/M7.2
5SY5206-7 +.B 2-pol, C 6A -F20 5ST3012 2NC CONTROL/PROTECTION	/G1.5	/G1.5	/M8.5	
5SY5202-7 +.B 2-pol, C 2A -F11 5ST3012 2NC TPS. MOTOR DRIVE	/G1.3	/G1.3	/M6.6	/M7.2



3RV1611-1DG14 +.B 3RV2901-1C -F40 3A PROTECTION/METERING	/S3.2	/S3.2	/S3.2		/M6.8	/M7.3



3RH2131-1BG40 +.B 3RT2916-1DG00 -K1 125V DC CB. OFF EXTERNAL	/M5.4	/M1.6			
3RH2131-1BG40 +.B 3RT2916-1DG00 -K2 125V DC CB. ON EXTERNAL	/M5.4	/M1.6		/M1.7	
3RH2131-1BG40 +.B 3RT2916-1DG00 -K50 125V DC MCB. TRIP	/M7.2	/M8.5			/M4.6
3RH2131-1BG40 +.B 3RT2916-1DG00 -K51 125V DC VT MCB. TRIP	/M7.3	/M8.5			/M4.7
3RH2131-1BG40 +.B 3RT2916-1DG00 -K52 125V DC LIVE STATUS CONTACTS	/M7.4	/M8.7			
3RH2131-1BG40 +.B 3RT2916-1DG00 -K53 125V DC SF6-GAS ALARM "LOW"	/M7.5			/M9.2	/M4.7
3RH2131-1BG40 +.B 3RT2916-1DG00 -K1A 125V DC SF6-GAS ALARM "LOW"	/M5.5	/M3.3			
3RH2131-1BG40 +.B 3RT2916-1DG00 -K1E 125V DC SF6-GAS ALARM "LOW"	/M5.6	/M3.3			
3RH2131-1BG40 +.B 3RT2916-1DG00 -K5A 125V DC SF6-GAS ALARM "LOW"	/M5.6	/M3.4			
3RH2131-1BG40 +.B 3RT2916-1DG00 -K5E 125V DC SF6-GAS ALARM "LOW"	/M5.7	/M3.5			



3RH2422-1BG40 +.B 3RH2911-1FA22 -K40 2 x 3RT2916-1DG00 125V DC CB. STATUS "OFF/ON"	/M6.2	/M6.2	/M12.3	/M12.3	/M12.4	/M12.4	/M12.5	/M12.5	/M12.5	/M12.6

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H02 / S / Z / 8

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1 S =H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H02	Z8
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501 (3) W92210-L1965-S025-A	Sheet 8+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram		10 Sh.

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Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

Archive: =H02 / S / Z / 9

13 14 43 44

	3SU1000-0AB20-0AA0	/M1.4	/M1.6
+.T	RED		
-S0E	3SU1500-0AA10-0AA0		
	3SU1400-1AA10-1DA0		
	3SU1900-0AN10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1000-0AB40-0AA0	/M1.5	
+.T	GREEN		
-S0A	3SU1500-0AA10-0AA0		
	3SU1400-1AA10-1DA0		
	3SU1900-0AN10-0AA0		
	PRINT-3SU-27-12-01-04		

CB ON 12,5x27mm

CB OFF 12,5x27mm

LOCAL
REMOTE

13 14 41 42 33 34 61 62 23 24 51 52

CONTROL SW.
LOC. REM.

	3SU1002-2BF60-0AA0	/M1.6	/M1.4	/M1.6	/M3.2	/M3.1
+.T	3 x 3SU1400-1AA10-1FA0					
-S20	3SU1900-0AG10-0AA0					
	3SU1500-0AA10-0AA0					
	PRINT-3SU-27-12-01-04					

X1 X2

	3SU1001-6AA40-0AA0	/M6.3	CB. OFF
+.T	ILLUMINATION green		
-H0A	3SU1401-1BH40-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA20-0AA0	/M6.3	CB. ON
+.T	ILLUMINATION red		
-H0E	3SU1401-1BH20-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA60-0AA0	/M6.4	PROTECTION TRIP
+.T	ILLUMINATION white		
-H30	3SU1401-1BH60-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA30-0AA0	/M6.6	DC. MCB TRIP
+.T	ILLUMINATION yellow		
-H40	3SU1401-1BH30-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA30-0AA0	/M6.8	PT. MCB TRIP
+.T	ILLUMINATION yellow		
-H50	3SU1401-1BH30-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		

Revision	Modification	Date	Name				
				Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
SECONDARY EQUIPMENT
Circuit diagram

=HZ02.1.1 S =H02
+H02 Z9
998574-000501 (3) W92210-L1965-S025-A
Sheet 9+
10 Sh.

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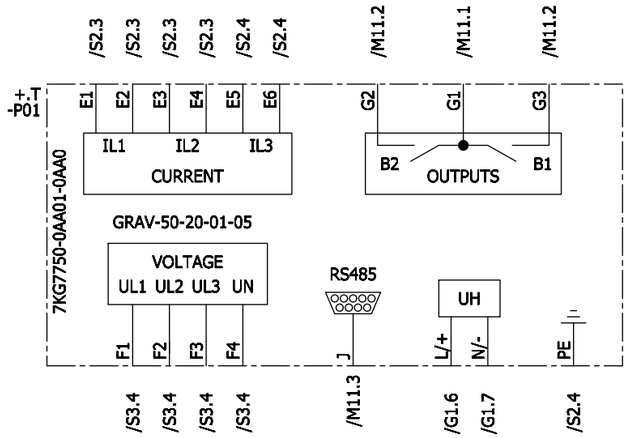
Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

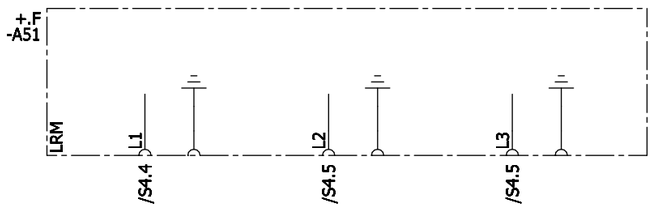
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

Archive: =H02 / S / Z / 10



1S1 1S2 2S1 2S2

4MC4_30 +.F 1st Core= 800/5A; 15VA Cl. 5P20 -T1L1 2nd Core= 800/5A; 30VA Cl. 1FS10	/S1.3	/S2.3
4MC4_30 +.F 1st Core= 800/5A; 15VA Cl. 5P20 -T1L2 2nd Core= 800/5A; 30VA Cl. 1FS10	/S1.3	/S2.3
4MC4_30 +.F 1st Core= 800/5A; 15VA Cl. 5P20 -T1L3 2nd Core= 800/5A; 30VA Cl. 1FS10	/S1.4	/S2.4



				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.1.1	S	=H02	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H02	Z10
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501	(3) W92210-L1965-S025-A		Sheet 10-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-13
Archive: =H02 / V / / / 1

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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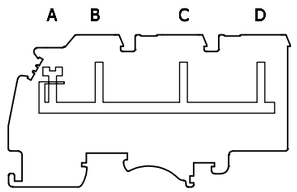
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

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



Cable connection to termination

A B C D

Terminal	Terminal block type	Wire type
11-46	UPCV3K	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 24

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Termination B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
		-XR2				
		11	=H00/G1.4	=H01 +.B -XR2 :11 D	-F10 :3	=H03 +.B -XR2 :11 B
		12	=H00/G1.4	=H01 +.B -XR2 :12 D	-F10 :1	=H03 +.B -XR2 :12 B
		13	=H00/G1.4	=H01 +.B -XR2 :13 D	-F20 :3	=H03 +.B -XR2 :13 B
		14	=H00/G1.4	=H01 +.B -XR2 :14 D	-F20 :1	=H03 +.B -XR2 :14 B
		15	=H00/G1.4	=H01 +.B -XR2 :15 D	-XC30 :389 D	=H03 +.B -XR2 :15 B
		16	=H00/G1.4	=H01 +.B -XR2 :16 D	-XC30 :390 D	=H03 +.B -XR2 :16 B
		21	=H00/G1.4	=H01 +.B -XR2 :21 D	-F40 :1	=H03 +.B -XR2 :21 B
		22	=H00/G1.4	=H01 +.B -XR2 :22 D	-F40 :3	=H03 +.B -XR2 :22 B
		23	=H00/G1.4	=H01 +.B -XR2 :23 D	-F40 :5	=H03 +.B -XR2 :23 B
		24	=H00/G1.4	=H01 +.B -XR2 :24 D	-XT15 :553 A	=H03 +.B -XR2 :24 B
		25	=H00/G1.4	=H01 +.B -XR2 :25 D	-F11 :3	=H03 +.B -XR2 :25 B
		26	=H00/G1.4	=H01 +.B -XR2 :26 D	-F11 :1	=H03 +.B -XR2 :26 B
		31	=H00/G1.4	=H01 +.B -XR2 :31 D	-XC30 :367 D	=H03 +.B -XR2 :31 B
		32	=H00/G1.4	=H01 +.B -XR2 :32 D	-XC30 :370 D	=H03 +.B -XR2 :32 B
		33	=H00/G1.4	=H01 +.B -XR2 :33 D	-XC30 :381 D	=H03 +.B -XR2 :33 B
		34	=H00/G1.4	=H01 +.B -XR2 :34 D	-XC30 :384 D	=H03 +.B -XR2 :34 B
		35	=H00/G1.4	=H01 +.B -XR2 :35 D	-XC30 :387 D	=H03 +.B -XR2 :35 B
		36	=H00/G1.4	=H01 +.B -XR2 :36 D	-XC30 :388 D	=H03 +.B -XR2 :36 B
		41	=H00/G7.3	=H01 +.B -XR2 :41 D		=H03 +.B -XR2 :41 B
		42	=H00/G7.3	=H01 +.B -XR2 :42 D		=H03 +.B -XR2 :42 B
		43	=H00/G7.3	=H01 +.B -XR2 :43 D		=H03 +.B -XR2 :43 B
		44	=H00/G7.3	=H01 +.B -XR2 :45 D	-XQ1 :131 D	
		45	=H00/G7.3		-XQ1 :132 D	=H03 +.B -XR2 :44 B
		46	=H00/G7.3	=H01 +.B -XR2 :46 D		=H03 +.B -XR2 :46 B

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XR2
Connection table

=HZ02.1.1 V =H02 +.B /1

998574-000501 (3) W92210-L1965-S028-A

Sheet 1+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11_I
Archive: =H02 / V / / / 2

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

1 2 3 2 1

1) Test socket
2) Jumper
3) Disconnecting link

Cable connection to termination A B

Terminal	Terminal block type	Wire type
111-262	URTK/SP	
110PE,210PE	URTKD/SP	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 20

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

Termination A Destination Item designation			Terminal strip -XT1 Link				Term.-no.	Cross-ref.	Termination B Destination Item designation		
	-XPE	:2 B					110PE	/S1.4			
+.F	-T1L1	:1S2					111	/S1.3	+.T	-F31-1	:A7
+.F	-T1L1	:1S1					112	/S1.3	+.T	-F31-1	:A1
+.F	-T1L2	:1S2					121	/S1.3			
+.F	-T1L2	:1S1					122	/S1.3	+.T	-F31-1	:A3
+.F	-T1L3	:1S2					131	/S1.4			
+.F	-T1L3	:1S1					132	/S1.4	+.T	-F31-1	:A5
	-XPE	:3 B	XX				210PE	/S2.5			
+.F	-T1L1	:2S2					211	/S2.3		-XT1	:241 A
+.F	-T1L1	:2S1					212	/S2.3	+.T	-P01	:E1
+.F	-T1L2	:2S2					221	/S2.3			
+.F	-T1L2	:2S1					222	/S2.3	+.T	-P01	:E3
+.F	-T1L3	:2S2					231	/S2.4			
+.F	-T1L3	:2S1					232	/S2.4	+.T	-P01	:E5
	-XT1	:211 B	XX				241	/S2.3			
+.T	-P01	:E2					242	/S2.3			
							251	/S2.3			
+.T	-P01	:E4					252	/S2.3			
							261	/S2.4			
+.T	-P01	:E6	XX				262	/S2.4			

Screen bus	A Cable clamp		Cover
N-bus	B Screen bus		Insulation plate
PE-PEN-bus	C Screwed cable gland		Higher level insulation plate
Used cores total	D Plug housing		Test socket
Continued on sheet	E Insulated		Disconnector

Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XT1
Connection table

=HZ02.1.1 V =H02 +.B /2

998574-000501 (3) W92210-L1965-S028-A

Sheet 2+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 3

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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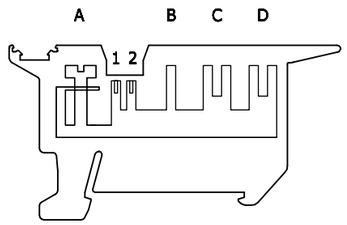
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-493	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 162

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation				Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation			Termination D Destination Item designation		
				-XC30									
				1 2 JUMPER									
		-AQ1-X1.2	:9		301	/G1.5		+.T	-F31-2	:L1		-F20	:4
					302	/G1.5					+.T	-S20	:41
					303	/G1.5		+.T	-P01	:L/+	+.T	-F31-1	:D2
					304	/G1.5					+.T	-F31-1	:B7
=XX	+XX	-XX	:XX		305	/G1.5		+.T	-S20	:23			
					306	/G1.5			-XQ1	:133 D		-XQ0	:51 A
=PAS	+Panel	-XX	:XX		307	/G1.5			-XQ0	:23 C		-XQ1	:533 C
					308	/G1.5		+.T	-F31-2	:L3			
					309	/G1.5		+.T	-K30	:15			
					310	/G1.5			-F10	:11	+.T	-K33	:15
					311	/G1.5			-F10	:21		-F40	:31
					312	/M7.4			-XQ1	:890 C	+.T	-F31-2	:L7
		-AQ1-X1.2	:8		321	/G1.5		+.T	-F31-2	:L2		-F20	:2
					322	/G1.5					+.T	-S0E	:44
					323	/G1.5		+.T	-P01	:N/-		-K2	:34
					324	/G1.5			-XQ0	:14 D		-XC30	:353 Y
					325	/G1.5		+.T	-F31-2	:L11		-AQ1-X1.4	:15
					326	/G1.5		+.T	-K30	:D2	+.T	-F31-3	:N11
					327	/G1.5			-K1	:A2	+.T	-K33	:D2
		-XQ0	:12 D		328	/G1.5						-K1A	:A2
					329	/G1.5			-K40	:A2			
					330	/G1.5		+.T	-H0A	:X2		-K40	:E2
					331	/M6.3		+.T	-H30	:X2	+.T	-H0E	:X2
					332	/M6.6		+.T	-H50	:X2	+.T	-H40	:X2
					333	/M7.2			-K51	:A2		-K50	:A2
					334	/M7.4						-K52	:A2
					335	/M7.5			-K53	:A2			
					336	/M7.6							
					337	/M7.7							
					339	/M1.8		+.T	-F31-1	:D5			
					340	/M1.4		+.T	-S0E	:13	+.T	-S20	:42
					341	/M1.5		+.T	-S0A	:13			
					342	/M1.6		+.T	-S20	:14		-K2	:13
					343	/M1.6		+.T	-F31-2	:L12		-K1	:13
					344	/M1.4			-XQ1	:522 D	+.T	-S0E	:14
					345	/M1.6		+.T	-F31-1	:D1		-K2	:14
					347	/M1.6		+.T	-S0A	:14		-K1	:14
	+.T	-F31-1	:D3		348	/M1.8		+.T	-F31-1	:B8		-XQ0	:20 D
	+.T	-F31-1	:D6		349	/M2.3		+.T	-K33	:10	+.T	-K30	:10
=XX	+XX	-XX	:XX		351	/M1.1					+.T	-K30	:2

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XC30
Connection table

=HZ02.1.1 V =H02 +.B /3

998574-000501 (3) W92210-L1965-S028-A

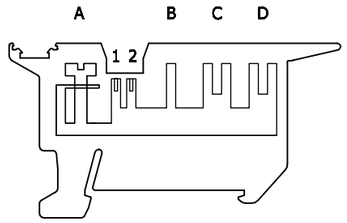
Sheet 3+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 4

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-493	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 162

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XC30					
	1 2 JUMPER					
=XX +XX -XX :XX		352	/M1.1			-XQ1 :814 C
		353	/M1.7		+.T -S20 :34	-K2 :33
		355	/M1.6		+.T -S20 :33	-XQ0 :18 D
		356	/M3.3		+.T -S20 :24	-K1A :13
		357	/M5.2		+.T -F31-2 :L4	+.T -K30 :D1
=XX +XX -XX :XX		358	/M5.3		+.T -F31-1 :B10	+.T -K33 :D1
		360	/M6.4		+.T -H30 :X1	+.T -K30 :16
		361	/M6.5			+.T -K33 :16
		362	/M6.6		-F10 :12	+.T -H40 :X1
		363	/M6.8		-F40 :32	+.T -H50 :X1
		364	/M7.3		-K51 :A1	-F40 :42
		365	/M7.2		-K50 :A1	-F10 :22
		366	/M7.4		+.T -F31-2 :L10	-K52 :A1
		367	/M9.2		+.T -K30 :11	-XR2 :31 C
		368	/M9.3			+.T -K33 :11
		369	/M9.2			+.T -K30 :12
		370	/M9.3		+.T -K33 :12	-XR2 :32 C
-K1A :14		371	/M3.2		+.T -F31-3 :M2	-AQ1-X1.3 :11
-K1E :14		372	/M3.3		+.T -F31-3 :M3	-AQ1-X1.3 :10
-K5A :14		373	/M3.4		+.T -F31-3 :M4	-AQ1-X1.3 :13
-K5E :14		374	/M3.4		+.T -F31-3 :M5	-AQ1-X1.3 :12
		375	/M4.6		-K50 :44	+.T -F31-3 :N12
		376	/M4.7		-K51 :44	+.T -F31-3 :N13
		377	/M4.7		-K53 :44	+.T -F31-3 :N14
		381	/M9.5		-K50 :13	-XR2 :33 C
		382	/M9.5		-F20 :11	-K51 :13
		383	/M9.6			
		384	/M9.5		-K50 :14	-XR2 :34 C
		385	/M9.5		-F20 :12	-K51 :14
		386	/M9.6			
		387	/M9.7		-K52 :13	-XR2 :35 C
		388	/M9.7		-K52 :14	-XR2 :36 C
		389	/M10.2		-K53 :33	-XR2 :15 C
		390	/M10.2		-K53 :34	-XR2 :16 C
		391	/M11.3		+.T -K33 :13	-XQ0 :82 C
		392	/M11.2		+.T -K33 :14	+.T -K30 :14
		393	/M12.1		+.T -P01 :G1	
		394	/M12.2		+.T -P01 :G2	
		395	/M12.2		+.T -P01 :G3	
		397	/M2.6			+.T -F31-3 :N3

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XC30
Connection table

=HZ02.1.1 V =H02
+.B /4

998574-000501 (3) W92210-L1965-S028-A

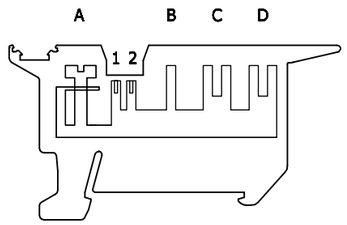
Sheet 4+
14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 5

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-493	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 162

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	1	2		Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XC30								
		1	2	JUMPER					
					400	/M15.2			+.T -K30 :3
					401	/M15.2			+.T -K30 :5
					402	/M15.3			+.T -K30 :7
					404	/M15.3			+.T -K30 :19
					405	/M15.3			+.T -K30 :21
					406	/M15.3			+.T -K30 :23
					407	/M15.3			+.T -K30 :25
					408	/M15.3			+.T -K30 :27
					409	/M15.4			+.T -K30 :29
					410	/M15.4			+.T -K30 :31
					411	/M15.4			+.T -K30 :33
					412	/M15.4			+.T -K30 :35
					413	/M15.2			+.T -K30 :4
					414	/M15.2			+.T -K30 :6
					415	/M15.3			+.T -K30 :8
					417	/M15.3			+.T -K30 :20
					418	/M15.3			+.T -K30 :22
					419	/M15.3			+.T -K30 :24
					420	/M15.3			+.T -K30 :26
					421	/M15.3			+.T -K30 :28
					422	/M15.4			+.T -K30 :30
					423	/M15.4			+.T -K30 :32
					424	/M15.4			+.T -K30 :34
					425	/M15.4			+.T -K30 :36
					426	/M15.5			+.T -K33 :3
					427	/M15.5			+.T -K33 :5
					428	/M15.6			+.T -K33 :7
					430	/M15.6			+.T -K33 :19
					431	/M15.6			+.T -K33 :21
					432	/M15.6			+.T -K33 :23
					433	/M15.6			+.T -K33 :25
					434	/M15.6			+.T -K33 :27
					435	/M15.6			+.T -K33 :29
					436	/M15.7			+.T -K33 :31
					437	/M15.7			+.T -K33 :33
					438	/M15.7			+.T -K33 :35
					439	/M15.5			+.T -K33 :4
					440	/M15.5			+.T -K33 :6
					441	/M15.6			+.T -K33 :8
					443	/M15.6			+.T -K33 :20

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XC30
Connection table

=HZ02.1.1 V =H02 +.B /5

998574-000501 (3) W92210-L1965-S028-A

Sheet 5+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 6

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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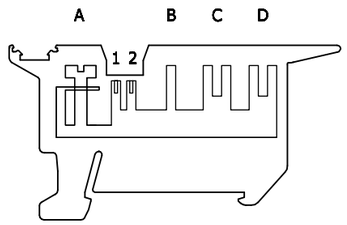
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-493	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 162

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XC30					
	1 2 JUMPER					
		444	/M15.6			+.T -K33 :22
		445	/M15.6			+.T -K33 :24
		446	/M15.6			+.T -K33 :26
		447	/M15.6			+.T -K33 :28
		448	/M15.6			+.T -K33 :30
		449	/M15.7			+.T -K33 :32
		450	/M15.7			+.T -K33 :34
		451	/M15.7			+.T -K33 :36
=EXT +I/O PANEL -XX :XX		452	/M13.3			-K40 :13
=EXT +I/O PANEL -XX :XX		453	/M13.3			-K40 :21
		454	/M13.4			-K40 :31
		455	/M13.4			-K40 :43
		456	/M13.5			-K40 :53
		457	/M13.5			-K40 :61
		458	/M13.5			-K40 :71
		459	/M13.6			-K40 :83
=EXT +I/O PANEL -XX :XX		460	/M13.3			-K40 :14
=EXT +I/O PANEL -XX :XX		461	/M13.3			-K40 :22
		462	/M13.4			-K40 :32
		463	/M13.4			-K40 :44
		464	/M13.5			-K40 :54
		465	/M13.5			-K40 :62
		466	/M13.5			-K40 :72
		467	/M13.6			-K40 :84
=PAS +Panel -XX :XX		468	/M5.4			-K1 :A1
=PAS +Panel -XX :XX		469	/M5.4			-K2 :A1
		470	/M12.5			
		471	/M12.5			+.T -F31-3 :M7
		472	/M12.5			+.T -F31-3 :M8
		473	/M12.5			+.T -F31-3 :M9
		474	/M12.6			+.T -F31-3 :M10
		476	/M12.6			
		477	/M12.7			+.T -F31-1 :B13
		478	/M12.6			+.T -F31-1 :B12
		479	/M12.7			+.T -F31-2 :L5
		480	/M12.7			+.T -F31-1 :B14
		482	/M12.7			+.T -F31-2 :L6
		484	/M12.7			+.T -F31-2 :L8
=PAS +Panel -XX :XX		490	/M5.5			-K1A :A1
=PAS +Panel -XX :XX		491	/M5.6			-K1E :A1

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XC30
Connection table

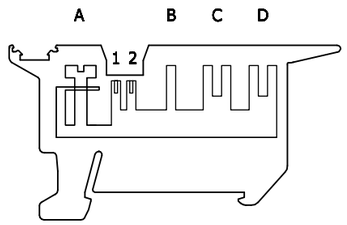
=HZ02.1.1 V =H02 +.B /6

998574-000501 (3) W92210-L1965-S028-A

Sheet 6+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 7

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-493	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 162

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation				Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation	
				-XC30						
				1 2 JUMPER						
=PAS	+Panel	-XX	:XX	⊖ □ □ ● — —	492	/M5.6			-K5A	:A1
=PAS	+Panel	-XX	:XX	⊖ □ □ ● — —	493	/M5.7			-K5E	:A1

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XC30
Connection table

=HZ02.1.1 V =H02 +.B /7

998574-000501 (3) W92210-L1965-S028-A

Sheet 7+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 8

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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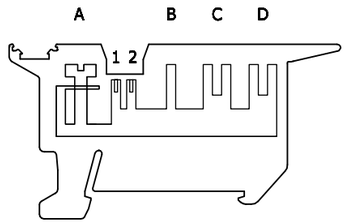
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
11-124	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 60

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ0					
	1 2 JUMPER					
		11	/M5.8	+.L -Q0-X09 :1		-XQ1 :534 D
		12	/M5.8	+.L -Q0-X09 :0		-XC30 :328 A
		13	/M2.2	+.L -Q0-X10 :3		-XQ0 :21 D
		14	/M2.2	+.L -Q0-X10 :2		-XC30 :324 C
		15	/Z1.4	+.L -Q0-X10 :1		
		16	/Z1.4	+.L -Q0-X10 :0		
		17	/M1.5	+.L -Q0-X11 :9		-XQ1 :531 D
		18	/M1.5	+.L -Q0-X11 :8	+.T -S0E :43	-XC30 :355 D
		19	/Z1.2	+.L -Q0-X11 :7		
		20	/M2.2	+.L -Q0-X11 :6	+.T -F31-3 :N2	-XC30 :348 D
		21	/M2.2	+.L -Q0-X11 :5		-XQ0 :13 D
		22	/M2.3	+.L -Q0-X11 :4		-XQ0 :93 C
		23	/M4.8	+.L -Q0-X11 :3	-XC30 :307 C	
		24	/M4.8	+.L -Q0-X11 :2		+.T -F31-3 :N15
		25	/Z1.5	+.L -Q0-X11 :1		
		26	/Z1.5	+.L -Q0-X11 :0		
		27	/G1.2	+.L -Q0-X12 :9		-F10 :4
		28	/G1.2	+.L -Q0-X12 :8		-F10 :2
		29	/M14.6	+.L -Q0-X12 :7		
		30	/M14.6	+.L -Q0-X12 :6		
		31	/M3.8	+.L -Q0-X12 :5		-XQ1 :818 D
		32	/M3.8	+.L -Q0-X12 :4		-AQ1-X1.4 :14
		33	/Z1.5	+.L -Q0-X12 :3		
		34	/Z1.5	+.L -Q0-X12 :2		
		41	/M6.3	+.L -Q0-X12 :1		-XQ0 :61 C
		42	/M6.3	+.L -Q0-X12 :0		+.T -H0A :X1
		43	/M6.3	+.L -Q0-X13 :9		
		44	/M6.3	+.L -Q0-X13 :8		+.T -H0E :X1
		45	/Z1.3	+.L -Q0-X13 :7		
		46	/Z1.4	+.L -Q0-X13 :6		
-XC30 :306 D		51	/M4.3	+.L -Q0-X13 :5	+.T -K33 :17	-XQ1 :111 C
		52	/M4.3	+.L -Q0-X13 :4		+.T -F31-3 :N5
		54	/M4.4	+.L -Q0-X13 :3		+.T -F31-3 :N6
		61	/M6.2	+.L -Q0-X13 :2	-XQ0 :41 D	-XQ1 :533 D
		62	/M6.2	+.L -Q0-X13 :1		-K40 :E1
		64	/M6.2	+.L -Q0-X13 :0		-K40 :A1
		71	/M11.1	+.L -Q0-X14 :9		
		72	/M11.1	+.L -Q0-X14 :8		
		73	/M11.2	+.L -Q0-X14 :7		
		74	/M11.2	+.L -Q0-X14 :6		

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XQ0
Connection table

=HZ02.1.1 V =H02
+.B /8
998574-000501 (3) W92210-L1965-S028-A
Sheet 8+
14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 9

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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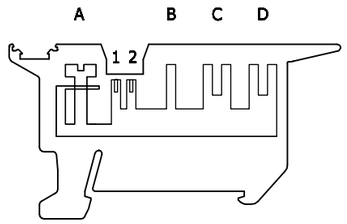
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
11-124	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 60

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	1	2	JUMPER	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ0								
					81	/M11.2	+.L -Q0-X14 :5		
					82	/M11.2	+.L -Q0-X14 :4	-XC30 :391 D	+.T -K30 :13
					83	/M14.2	+.L -Q0-X14 :3		
					84	/M14.2	+.L -Q0-X14 :2		
					91	/Z1.7	+.L -Q0-X14 :1		
					92	/M2.3	+.L -Q0-X14 :0		+.T -F31-3 :N1
					93	/M2.3	+.L -Q0-X15 :9	-XQ0 :22 D	
					94	/M14.3	+.L -Q0-X15 :8		
					101	/M14.4	+.L -Q0-X15 :7		
					102	/M14.4	+.L -Q0-X15 :6		
					103	/M14.4	+.L -Q0-X15 :5		
					104	/M14.4	+.L -Q0-X15 :4		
					111	/M14.4	+.L -Q0-X15 :3		
					112	/M14.4	+.L -Q0-X15 :2		
					113	/M14.5	+.L -Q0-X15 :1		
					114	/M14.5	+.L -Q0-X15 :0		
					121	/M14.5	+.L -Q0-X16 :1		
					122	/M14.5	+.L -Q0-X16 :0		
					123	/M14.5	+.L -Q0-X17 :1		
					124	/M14.5	+.L -Q0-X17 :0		

Screen bus	A Cable clamp — Cover
N-bus	B Screen bus — Insulation plate
PE-PEN-bus	C Screwed cable gland — Higher level insulation plate
Used cores total	D Plug housing — Test socket
Continued on sheet	E Insulated — Disconnector

Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XQ0
Connection table

=HZ02.1.1 V =H02 +.B /9

998574-000501 (3) W92210-L1965-S028-A

Sheet 9+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 10

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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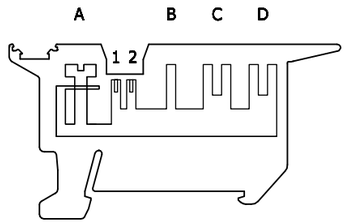
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
101-893	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 66

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link 1	2	JUMPER	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ1							
				101	/G1.3	+.D -Q1-X1 :1		-AQ1-X1.1 :4
				102	/G1.3	+.D -Q1-X1 :0		-AQ1-X1.1 :3
				111	/M4.4	+.D -Q1-X11 :9	-XQ0 :51 D	-XQ1 :511 D
				112	/M4.4	+.D -Q1-X11 :8		+.T -F31-3 :N7
				114	/M4.5	+.D -Q1-X11 :7		+.T -F31-3 :N8
				121	/M1.2	+.D -Q1-X11 :6		+.T -K33 :1
				122	/M1.2	+.D -Q1-X11 :5	-XQ1 :124 D	-XQ1 :521 D
				124	/M1.3	+.D -Q1-X11 :4		-XQ1 :122 C
				131	/M10.6	+.D -Q1-X11 :3		-XR2 :44 C
				132	/M10.6	+.D -Q1-X11 :2		-XR2 :45 C
				133	/M3.5	+.D -Q1-X11 :1	-XQ1 :541 D	-XC30 :306 C
				134	/M3.5	+.D -Q1-X11 :0		-AQ1-X1.2 :6
				141	/M3.6	+.D -Q1-X12 :3		-XQ1 :542 D
				142	/M3.6	+.D -Q1-X12 :2		-AQ1-X1.2 :5
				143	/M16.2	+.D -Q1-X12 :1		
				144	/M16.2	+.D -Q1-X12 :0		
				151	/M11.5	+.D -Q1-X13 :3		
				152	/M11.5	+.D -Q1-X13 :2		
				153	/M11.6	+.D -Q1-X13 :1		
				154	/M11.6	+.D -Q1-X13 :0		
				161	/M16.2	+.D -Q1-X14 :3		
				162	/M16.2	+.D -Q1-X14 :2		
				163	/M16.2	+.D -Q1-X14 :1		
				164	/M16.3	+.D -Q1-X14 :0		
				171	/M16.3	+.D -Q1-X15 :3		
				172	/M16.3	+.D -Q1-X15 :2		
				173	/M16.3	+.D -Q1-X15 :1		
				174	/M16.3	+.D -Q1-X15 :0		
				511	/M4.6	+.D -Q1-X51 :9	-K50 :43	-XQ1 :111 D
				512	/M4.6	+.D -Q1-X51 :8		+.T -F31-3 :N9
				514	/M4.6	+.D -Q1-X51 :7		+.T -F31-3 :N10
				521	/M1.2	+.D -Q1-X51 :6		-XQ1 :122 D
				522	/M1.2	+.D -Q1-X51 :5	-XQ1 :524 D	-XC30 :344 C
				524	/M1.3	+.D -Q1-X51 :4		-XQ1 :522 C
				531	/M1.4	+.D -Q1-X51 :3		-XQ0 :17 D
				532	/M1.4	+.D -Q1-X51 :2		-AQ1-X1.4 :17
				533	/M5.8	+.D -Q1-X51 :1	-XC30 :307 D	-XQ0 :61 D
				534	/M5.8	+.D -Q1-X51 :0		-XQ0 :11 D
				541	/M3.6	+.D -Q1-X52 :3		-XQ1 :133 C
				542	/M3.6	+.D -Q1-X52 :2		-XQ1 :141 D

Screen bus
N-bus
PE-PEN-bus
Used cores total
Continued on sheet

A Cable clamp — Cover
B Screen bus — Insulation plate
C Screwed cable gland — Higher level insulation plate
D Plug housing — Test socket
E Insulated — Disconnector

Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XQ1
Connection table

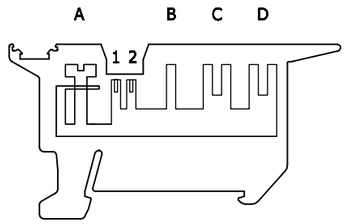
=HZ02.1.1 V =H02 +.B /10

998574-000501 (3) W92210-L1965-S028-A

Sheet 10+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 11

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
101-893	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 66

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	1	2	JUMPER	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ1								
		■	□	●	543	/M3.7	+.D -Q1-X52 :1		-XQ1 :817 D
		□	□	●	544	/M3.7	+.D -Q1-X52 :0		-AQ1-X1.2 :7
		□	□	●	551	/M11.6	+.D -Q1-X53 :3		
		□	□	●	552	/M11.7	+.D -Q1-X53 :2		
		□	□	●	553	/M11.7	+.D -Q1-X53 :1		
		□	□	●	554	/M11.7	+.D -Q1-X53 :0		
		□	□	●	561	/M16.6	+.D -Q1-X54 :3		
		□	□	●	562	/M16.6	+.D -Q1-X54 :2		
		□	□	●	563	/M16.6	+.D -Q1-X54 :1		
		□	□	●	564	/M16.6	+.D -Q1-X54 :0		
		□	□	●	571	/M16.6	+.D -Q1-X55 :3		
		□	□	●	572	/M16.6	+.D -Q1-X55 :2		
		□	□	●	573	/M16.7	+.D -Q1-X55 :1		
		□	□	●	574	/M16.7	+.D -Q1-X55 :0		
		□	□	●	811	/Z2.8	+.D -Q1-X81 :3		
		□	□	●	812	/Z2.8	+.D -Q1-X81 :2		
		□	□	●	813	/M1.2	+.D -Q1-X81 :1		-AQ1-X1.4 :16
		□	□	●	814	/M1.2	+.D -Q1-X81 :0	-XC30 :352 D	
		□	□	●	815	/Z2.6	+.D -Q1-X82 :3		
		□	□	●	816	/Z2.6	+.D -Q1-X82 :2		
		□	□	●	817	/M3.8	+.D -Q1-X82 :1		-XQ1 :543 D
		□	□	●	818	/M3.8	+.D -Q1-X82 :0		-XQ0 :31 D
		□	□	●	890	/M7.5	+.D -B0-X88 :3	-XC30 :312 C	
		□	□	●	891	/M7.5	+.D -B0-X88 :2	-XQ1 :892 C	-K53 :A1
		□	□	●	892	/M7.6	+.D -B0-X88 :1	-XQ1 :891 C	
		□	□	●	893	/Z4.3	+.D -B0-X88 :0		

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XQ1
Connection table

=HZ02.1.1 V =H02 +.B /11
998574-000501 (3) W92210-L1965-S028-A
Sheet 11+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11
Archive: =H02 / V / / / 12

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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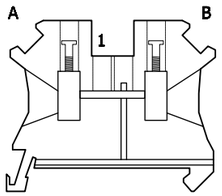
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



1 = Slot 1

Cable connection to termination
A
B

Terminal	Terminal block type	Wire type
2-8	UT4-PE	
1	UT6-PE	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 8

Termination A Destination Item designation		Terminal strip Link	Term.-no.	Cross-ref.	Termination B Destination Item designation		
		-XPE 1 2 JUMPER					
=H02	+.BPE		1	/S4.8			
=H02	+.BPE		2	/S1.4		-XT1	:110PE A
			3	/S2.5		-XT1	:210PE A
			4	/S2.4	+.T	-P01	:PE
			5	/S4.8			
			6	/S4.8			
			7	/S4.8			
			8	/S4.8			

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XPE
Connection table

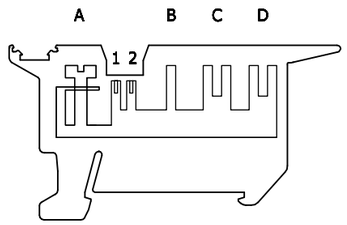
=HZ02.1.1 V =H02 +.B /12

998574-000501 (3) W92210-L1965-S028-A

Sheet 12+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H02 / V / / / 13

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
550-557	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 5

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XT15					
	1 2 JUMPER					
-F40 :2		550	/S3.2		-XT :108 B	-XT :100 B
-F40 :4		551	/S3.2		-XT :109 B	-XT :101 B
-F40 :6		552	/S3.2		-XT :110 B	-XT :102 B
-XR2 :24 C		553	/S3.3		-XT15 :557 C	-XT :103 B
		557	/S3.4		-XT15 :553 C	-XT :111 B

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XT15
Connection table

=HZ02.1.1 V =H02 +.B /13

998574-000501 (3) W92210-L1965-S028-A

Sheet 13+ 14 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11_I
Archive: =H02 / V / / / / 14

	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

1 2 3 2 1

1) Test socket
2) Jumper
3) Disconnecting link

Cable connection to termination A B

Terminal	Terminal block type	Wire type
100-111	URTK/SP	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 8

Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

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

Termination A Destination Item designation			Terminal strip Link					Term.-no.	Cross-ref.	Termination B Destination Item designation	
					-XT						
+.T	-F31-1	:B1	◉		O–O		◉	100	/S3.2	-XT15	:550 D
+.T	-F31-1	:B3	◉		O–O		◉	101	/S3.2	-XT15	:551 D
+.T	-F31-1	:B4	◉		O–O		◉	102	/S3.2	-XT15	:552 D
+.T	-F31-1	:B2	◉		O–O		◉	103	/S3.3	-XT15	:553 D
+.T	-P01	:F1	◉		O–O		◉	108	/S3.4	-XT15	:550 C
+.T	-P01	:F2	◉		O–O		◉	109	/S3.4	-XT15	:551 C
+.T	-P01	:F3	◉		O–O		◉	110	/S3.4	-XT15	:552 C
+.T	-P01	:F4	◉		O–O		◉	111	/S3.4	-XT15	:557 D

Screen bus	A Cable clamp	Cover
N-bus	B Screen bus	Insulation plate
PE-PEN-bus	C Screwed cable gland	Higher level insulation plate
Used cores total	D Plug housing	Test socket
Continued on sheet	E Insulated	Disconnector

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Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	
				Drawn	Herrmann	
				Appr.	Jacobi	
				Norm		

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION
Orig./Prep.for/Prep.by

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8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H02+.B-XT
Connection table

=HZ02.1.1 V =H02 +.B /14

998574-000501 (3) W92210-L1965-S028-A

Sheet 14-14 Sh.