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 =HZ02.2.1

Project reference number

Date of issue 29.04.21

Customer document number

A	change PCMI II	29.04.21	HE
Revision	Modification	Date	Name

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Archive: =H01 / A / / / 1

Project: 998574-000501

Documentation identifier A / =H01 / / 1

Manufacturer document number (3) W92210-L1965-U011-A

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H01 / 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	Vena new energy company / TW	
				Drawn	Herrmann	Siemens Limited (Taipei)	Siemens AG
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
List of documents

=HZ02.2.1 A =H01
+H01 A1
998574-000501 (3) W92210-L1965-L012-A Sheet 1+
4 Sh.

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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Translate file D: leer2

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				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
List of documents

=HZ02.2.1 A =H01
+H01 A2
998574-000501 (3) W92210-L1965-L012-A Sheet 2+
4 Sh.

Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
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

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Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

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A	change PCMI II	29.04.21	HE

Date	07.04.2021	Vena new energy company / TW	
Drawn	Herrmann	Siemens Limited (Taipei)	Siemens AG
Appr.	Jacobi	33KV MAIN SUBSTATION	
Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
List of documents

=HZ02.2.1 | A | =H01
+H01 | A3
998574-000501 | (3) W92210-L1965-L012-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

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				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H01 A4
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION			998574-000501	(3) W92210-L1965-L012-A	Sheet 4-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		List of documents			4 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / B / 1

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Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

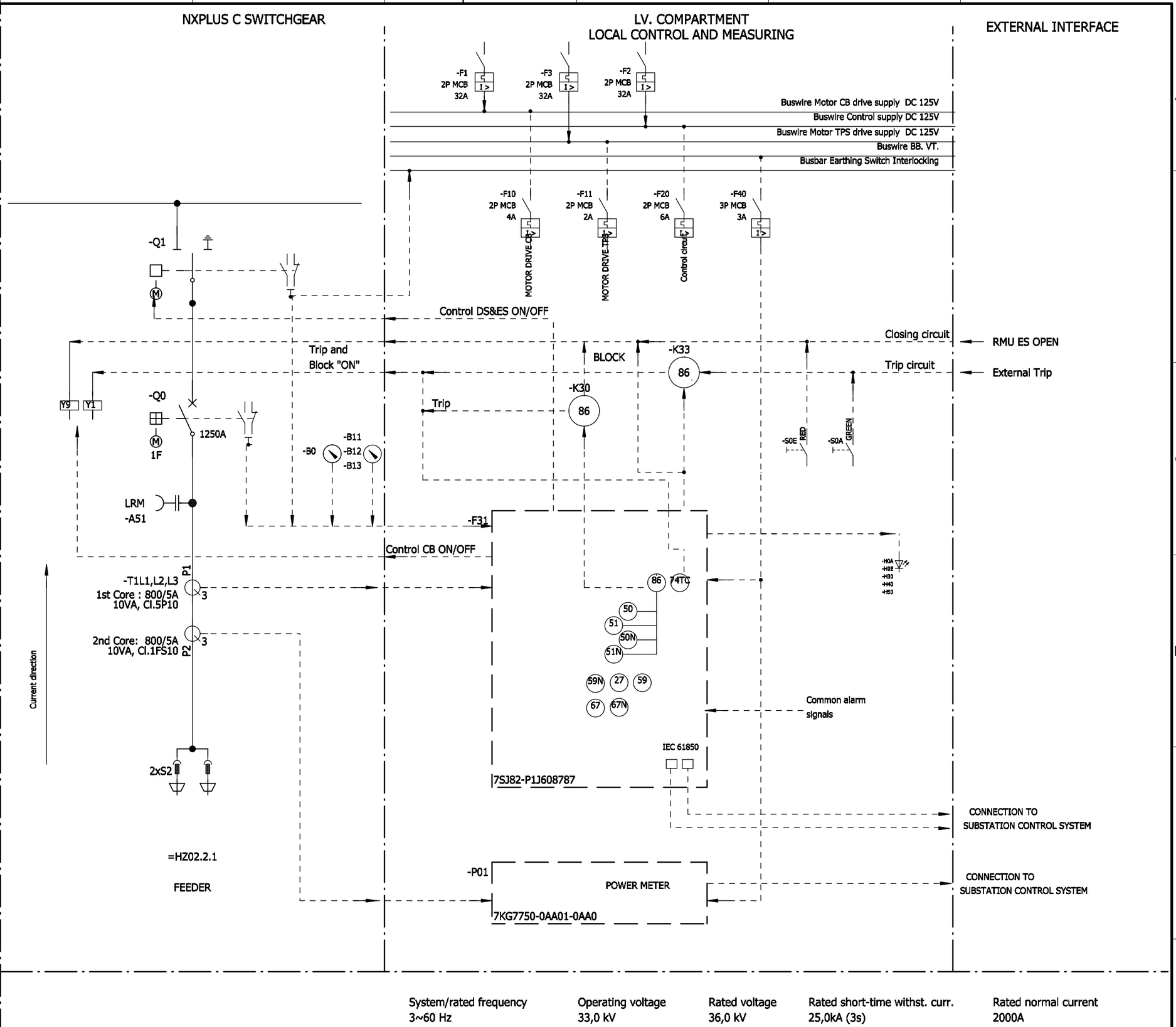
Remark :
Drawings will be applied for panel

H01,H19,H20,H38 Feeder outgoing

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

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				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 B1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		FEEDER OVERVIEW	998574-000501 (3) W92210-L1965-S014-A Sheet 1-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	1 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
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Symbol library3:
Symbol library4:

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-		

See DWG.= K00/G1-G11, Bus wire (Ring Circuit)

Bus B11L+ / DC 125V / Bus B11L- — +.B -XR2 11 C, +.B -XR2 12 C — RR
Bus B12L+ / DC 125V / Bus B12L- — +.B -XR2 13 C, +.B -XR2 14 C — RR
Bus B13L+ / DC 125V / Bus B13L- — +.B -XR2 25 C, +.B -XR2 26 C — RR

RR = Ring Loop

H07V-K 2,5 BK

+.B -F10 /Z8.2 4A — 3, 1, 4, 2 — I>
+.B -F11 /Z8.2 2A — 3, 1, 4, 2 — I>
+.B -F20 /Z8.2 6A — 3, 1, 4, 2 — I>

+.B -XC30 301 D — 301 C, 321 C
+.B -XC30 302 — 321 D
+.B -XC30 303 — 322
+.B -XC30 304 — 323
+.B -XC30 305 — 324
+.B -XC30 306 — 325
+.B -XC30 307 — 326
+.B -XC30 308 — 327
+.B -XC30 309 — 328
+.B -XC30 310 — 329
+.B -XC30 311 — 330
20L+ / 20L- — /M1.1

303 C, 323 C
301 A, 321 A

+.B -XQ0 27 D, 28 D — +.L -Q0 /Z1.1 — -X12 9, 8 — -M1 M DC — CIRCUIT BREAKER

+.B -AQ1 /Z5.2 — -X1.1 1, 2 — MCU — -X1.1 3, 4
+.B -XQ1 102 D, 101 D — +.D -Q1 /Z2.1 — -X1 0, 1 — -M1 M DC — TPS

+.T -F31 /Z6.1 — -2 L1, -2 L2 — + - — 7SJ82
+.T -P01 /Z10.5 — L/+, N/- — + - — 7KG7750
+.B -AQ1 /Z5.2 — -X1.2 9, -X1.2 8 — MCU-MH

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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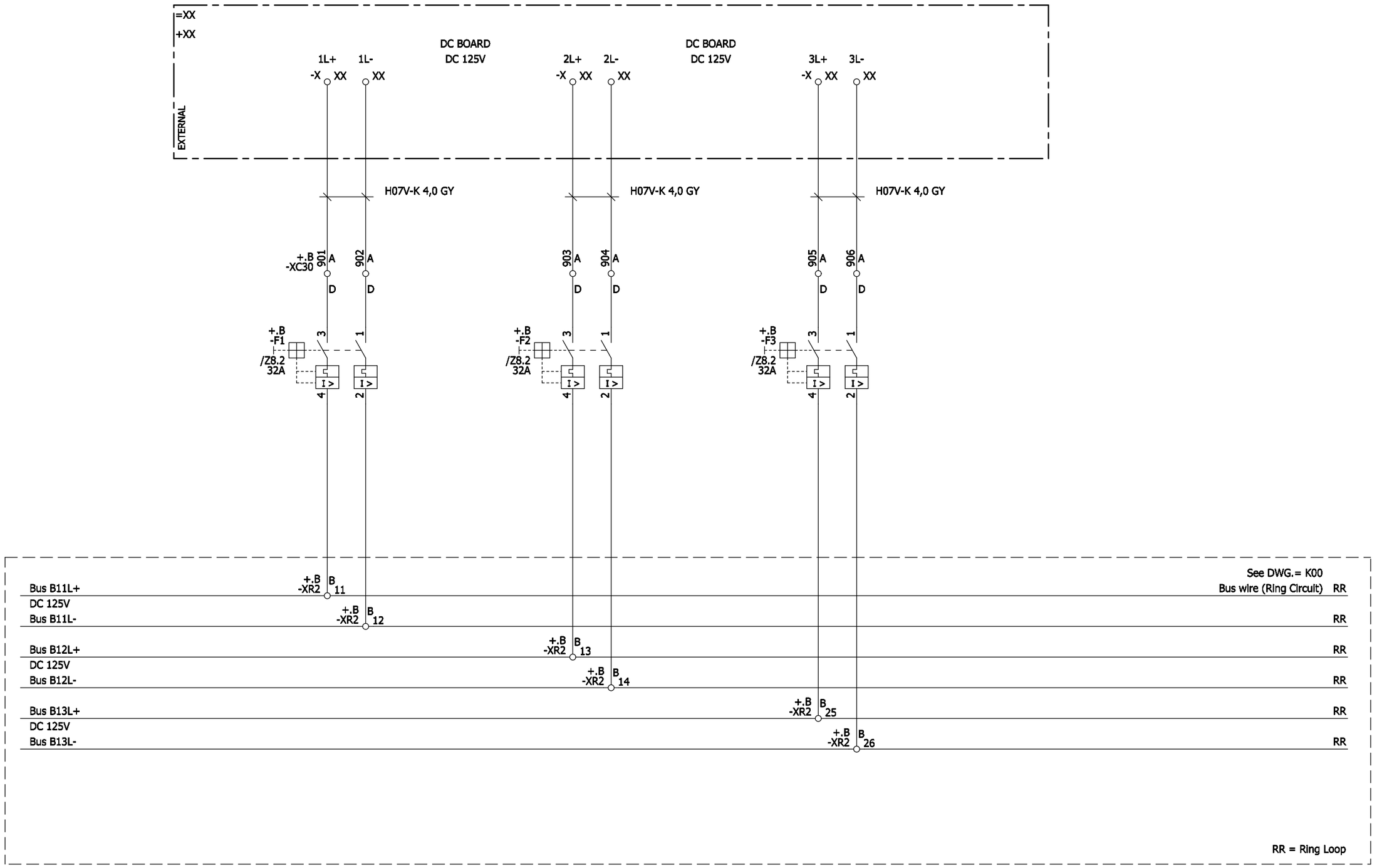
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 G1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		POWER SUPPLY	
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501 (3) W92210-L1965-S015-A Sheet 1+ 2 Sh.

MAIN DC POWER SUPPLY VOLTAGE FOR							
	CB. MOTOR DRIVE		CONTROL CIRCUIT		TPS. MOTOR DRIVE		
	L+	L-	L+	L-	L+	L-	



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

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LV COMPARTMENT

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				Drawn	Herrmann	Siemens Limited (Taipei)
				Date	07.04.2021	Vena new energy company / TW

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8DA10 SWITCHGEAR 33,0 kV
FEEDER
POWER SUPPLY
Circuit diagram

=HZ02.2.1 | S | =H01
+H01 | G2

998574-000501 | (3) W92210-L1965-S015-A | Sheet 2-2 Sh.

CIRCUIT BREAKER CLOSING CONTROL CIRCUIT

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

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Archive: =H01 / S / M / 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 library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

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LV COMPARTMENT

/G1.5 20L+ DC 125V

+.B -XC30 302 D

+.B -XC30 303 D 20L+ /M2.1

+.B -XQ1 121 D

+.D -Q1 /Z2.1 -X11 6 121 123 -S1 ON OFF EARTHED 3 POS. SW. -X11 5 122 4 124

+.B -XQ1 122 124 C D

+.B -XQ1 D 521

+.D -Q1 /Z3.1 -X51 6 521 523 -S1 ON OFF EARTHED 3 POS. SW. -X51 5 522 4 524

+.B -XQ1 522 524 C D

+.T -K33 /Z7.1 1 A11L 2

+.T -K30 /Z7.1 1 A11L 2

+.T -S20 LOCAL REMOTE /Z9.2 41 42 13 14

+.B -XC30 340 D C Y

341 X C

+.T -S0E /Z9.2 13 14

+.T -S0A /Z9.2 13 14

+.B -XC30 344 D C Y

+.B -XC30 342 C D Y

343 X D C REMOTE /M4.1

+.B -K2 /Z8.5 13 14

+.B -K1 /Z8.5 13 14

+.B -XC30 345 D X C

+.B -XC30 347 D C Y

A 348 X

20L+OPEN /M2.1

+.T -F31 /Z6.1 -1 D2 BO1.4 BO1.5 BO1.6 75182 -1 D1 -1 D3 -1 D5

C 339

+.B -XC30 351 D A Y

+.B -XC30 352 A

352 X D

=XX +XX -XX XX -XX XX EXTERNAL RELEASE INTERLOCKING

+.B -XQ1 813 D

+.D -Q1 /Z2.1 -X81 1 -S24 21 22 -X81 0 ES.

+.B -XQ1 814 D C

+.B -AQ1 /Z5.2 MCU -X1.4 16 -X1.4 17

+.B -XQ1 531 D

+.D -Q1 /Z3.1 -X51 3 531 -S1 ON OFF EARTHED -X51 2 532 ES.

+.B -XQ1 532 D

+.L -Q0 /Z1.1 -X11 9 -Y9 -X11 8 CB. CLOSING COIL

+.B -XQ0 17 D

+.B -XQ0 18 C D

+.T -S0E /Z9.2 43 44

+.B -XQ0 18 D

+.B -XC30 322 D

+.T -S20 LOCAL REMOTE /Z9.2 33 34

+.B -XC30 355 D C

+.B -XC30 353 C D Y

+.B -K2 /Z8.5 33 34

D 323

D 324 C 20L- /M2.1

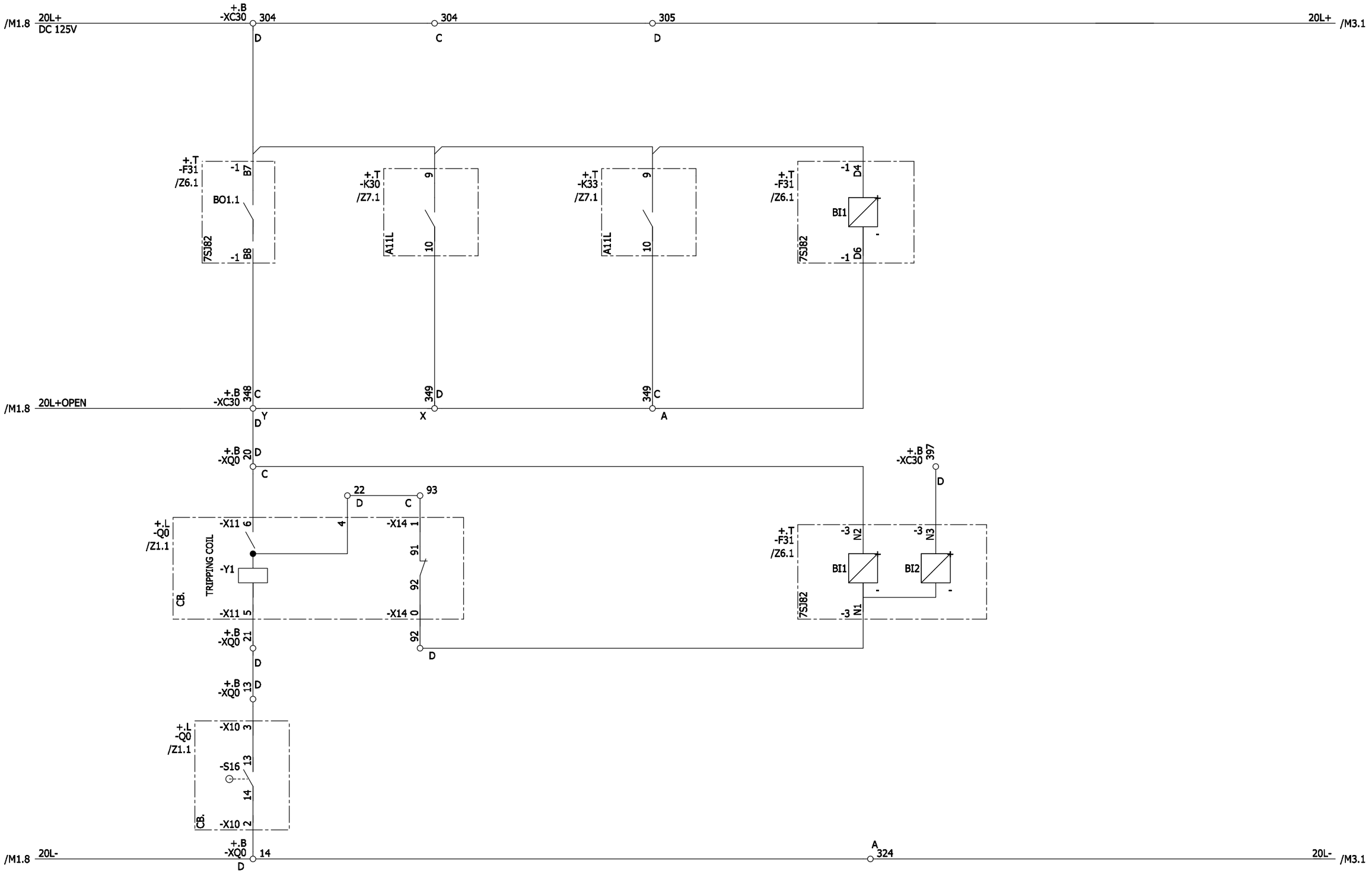
/G1.5 20L-

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 M1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL, CB. CLOSING/TRIPPING	Sheet 1+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501 (3) W92210-L1965-S015-A 15 Sh.

CIRCUIT BREAKER TRIPPING CONTROL CIRCUIT

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



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
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Archive: =H01 / S / M / 2

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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	Appr.	Jacobi
				Drawn	Herrmann
				Date	07.04.2021
				Norm	

Orig./Prep.for/Prep.by

Vena new energy company / TW
Siemens Limited (Taipei)
33KV MAIN SUBSTATION

Siemens AG

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

=HZ02.2.1 S =H01 +H01 M2

998574-000501 (3) W92210-L1965-S015-A

Sheet 2+ 15 Sh.

TPS MCU-MH CONTROL CIRCUIT

- ENABLING	DISCONNECTOR		EARTHING SWITCH		DISCONNECTOR	3-POS. SW.	EARTHING SWITCH	RELEASE
REMOTE	OFF	ON	OFF	ON	CLOSED	OPEN	CLOSED	CB. OFF, LEVER NOT INSERTED

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / 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 library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

LV COMPARTMENT

/M2.8 20L+ DC 125V +.B -XC30 305 C

+.T -S20 LOCAL REMOTE 23 61 /Z9.2 24 62

+.T -F31 /Z6.1 -3 M1 BO3.1 BO3.2 BO3.3 BO3.4 7SJ82 -3 M2 M3 M4 M5

+.B -XC30 356 C D

+.B -K1A /Z8.5 13 14 +.B -XC30 371 C D A
+.B -K1E /Z8.5 13 14 +.B -XC30 372 C D A
+.B -K5A /Z8.5 13 14 +.B -XC30 373 C D A
+.B -K5E /Z8.5 13 14 +.B -XC30 374 C D A

306 C 20L+ /M4.1

+.B -XQ1 133 C D

+.D -Q1 /Z2.1 -X11 1 133 ON OFF EARTHED -S1 TPS -X11 0 134 +.B -XQ1 134 D

541 D Y X D 543

+.D -Q1 /Z2.1 -X52 3 541 ON OFF EARTH -S1 TPS -X52 2 542 +.B -XQ1 141 D

-X52 1 543 544 0 D

+.D -Q1 /Z2.1 -X12 3 141 ON OFF EARTHED -S1 TPS -X12 2 142 +.B -XQ1 142 D

817 D

+.D -Q1 /Z2.1 -X82 1 -S25 21 22 TPS -X82 0 818 +.B -XQ0 31 D

+.L -Q0 /Z1.1 -X12 5 31 -S1 32 CB. -X12 4 +.B -XQ0 32 D

+.B -AQ1 /Z5.2 MCU BI 6 BI2 BI1 BI4 BI3 BI8 BI7 BI9 BI5

-X1.3 11 10 13 12 -X1.2 6 5 7 -X1.4 14

-X1.4 15 D

/M2.8 20L- 325 20L- /M4.1

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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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
CONTROL, CB. CLOSING/TRIPPING
Circuit diagram

=HZ02.2.1 S =H01 +H01 M3
998574-000501 (3) W92210-L1965-S015-A Sheet 3+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / M / 4
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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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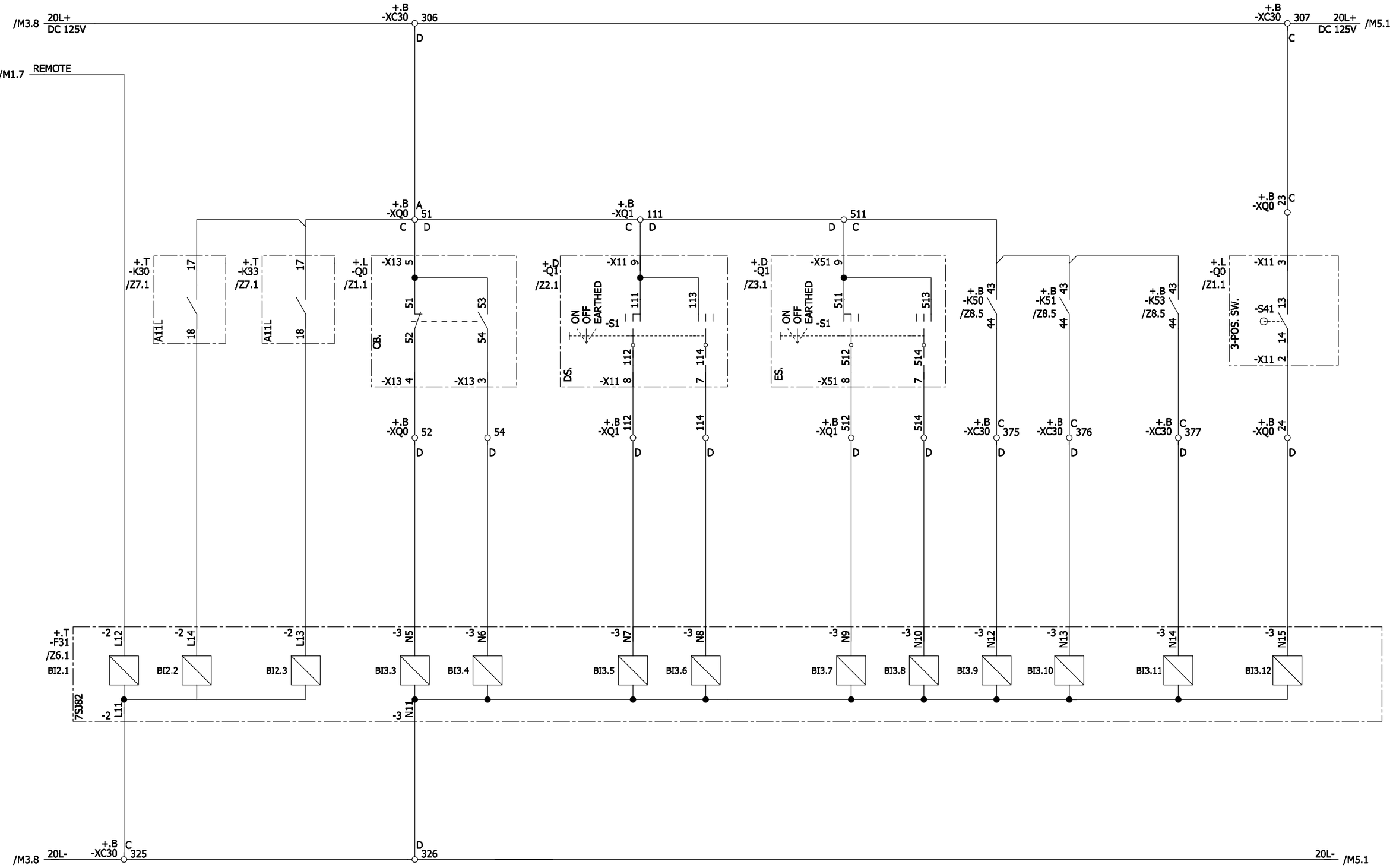
LV COMPARTMENT

PROTECTION CONTROL CIRCUIT

REMOTE	LOCK 51,51N,67, 67N	LOCKOUT (86)	STATUS OF CIRCUIT BREAKER		STATUS OF DISCONNECTOR		STATUS OF EARTH				GAS MONITORING CIRCUIT	CB motor status
			CB. OFF	CB. ON	DS. OFF	DS. ON	ES. OFF	ES. ON	MCB. TRIP	PT MCB. TRIP	LOW / HIGH	OP.MECH. CHARGE



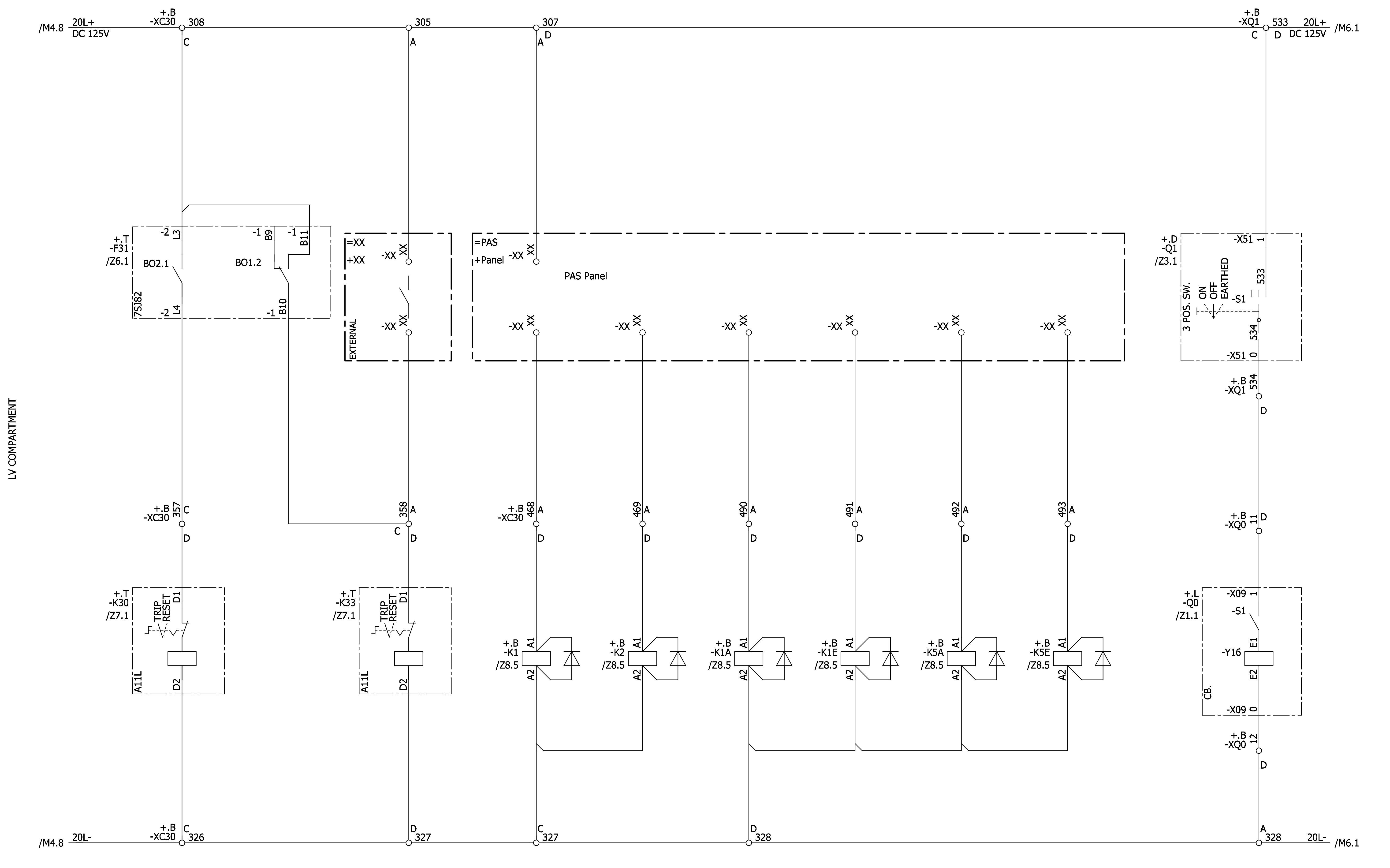
ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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
CONTROL CIRCUIT
Circuit diagram

=HZ02.2.1 S =H01 +H01 M4
998574-000501 (3) W92210-L1965-S015-A Sheet 4+ 15 Sh.

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

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / M / 5

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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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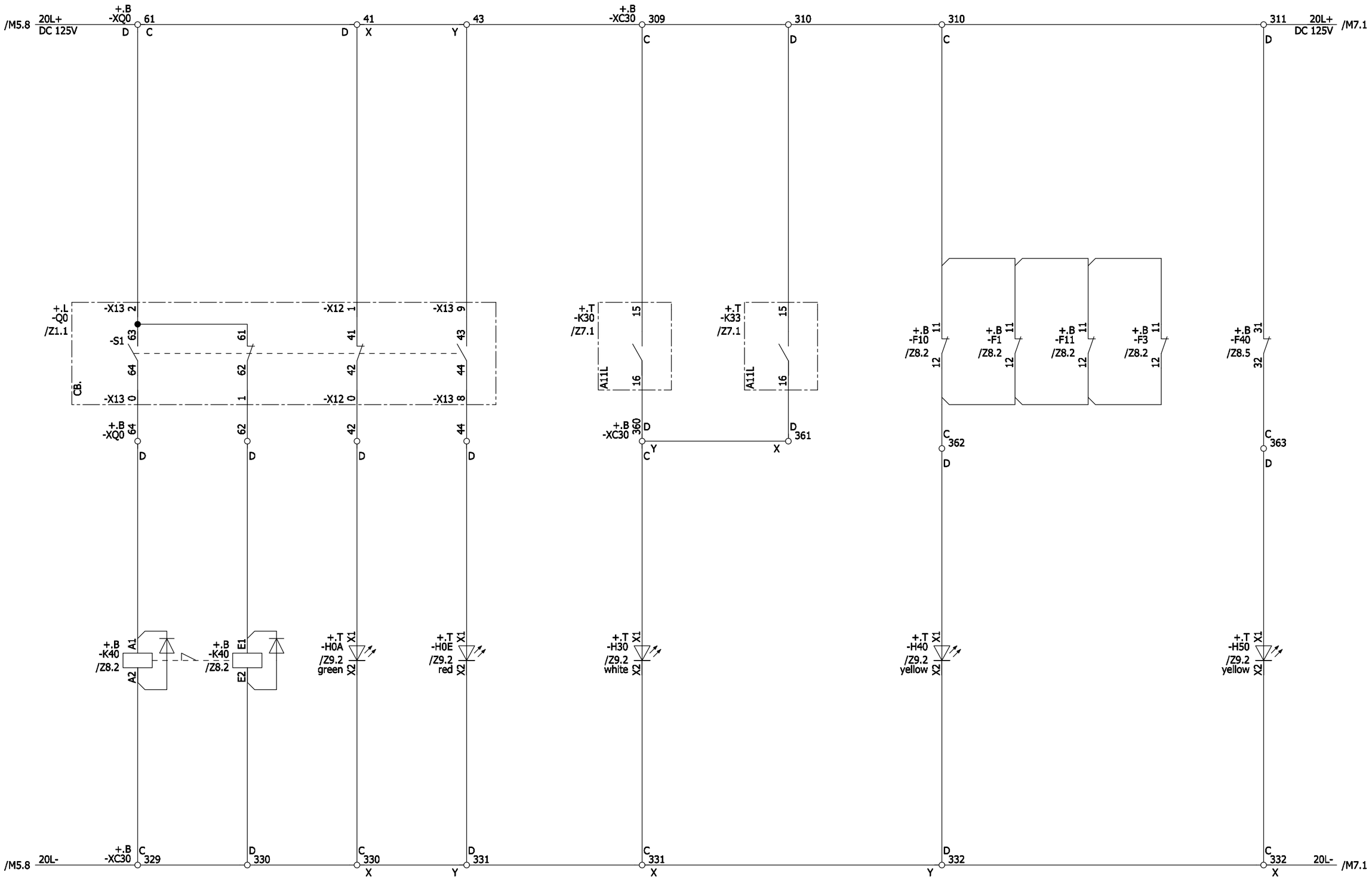
Revision	Modification	Date	Name						
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 M5
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501 (3) W92210-L1965-S015-A Sheet 5+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	15 Sh.

POSITION INDICATION CONTROL CIRCUIT

CB STATUS				TRIPPING AND LOCKOUT RELAY		MCB OFF/ TRIP INDICATOR		
ON	OFF	OFF	ON	51,51N,67, 67N TRIP	EXTERNAL, 86 Trip	CB MOTOR DRIVE	TPSMOTOR DRIVE	PT MCB



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ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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ELCAD-Version 7.7.1 SP2
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Archive: =H01 / S / M / 6
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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:

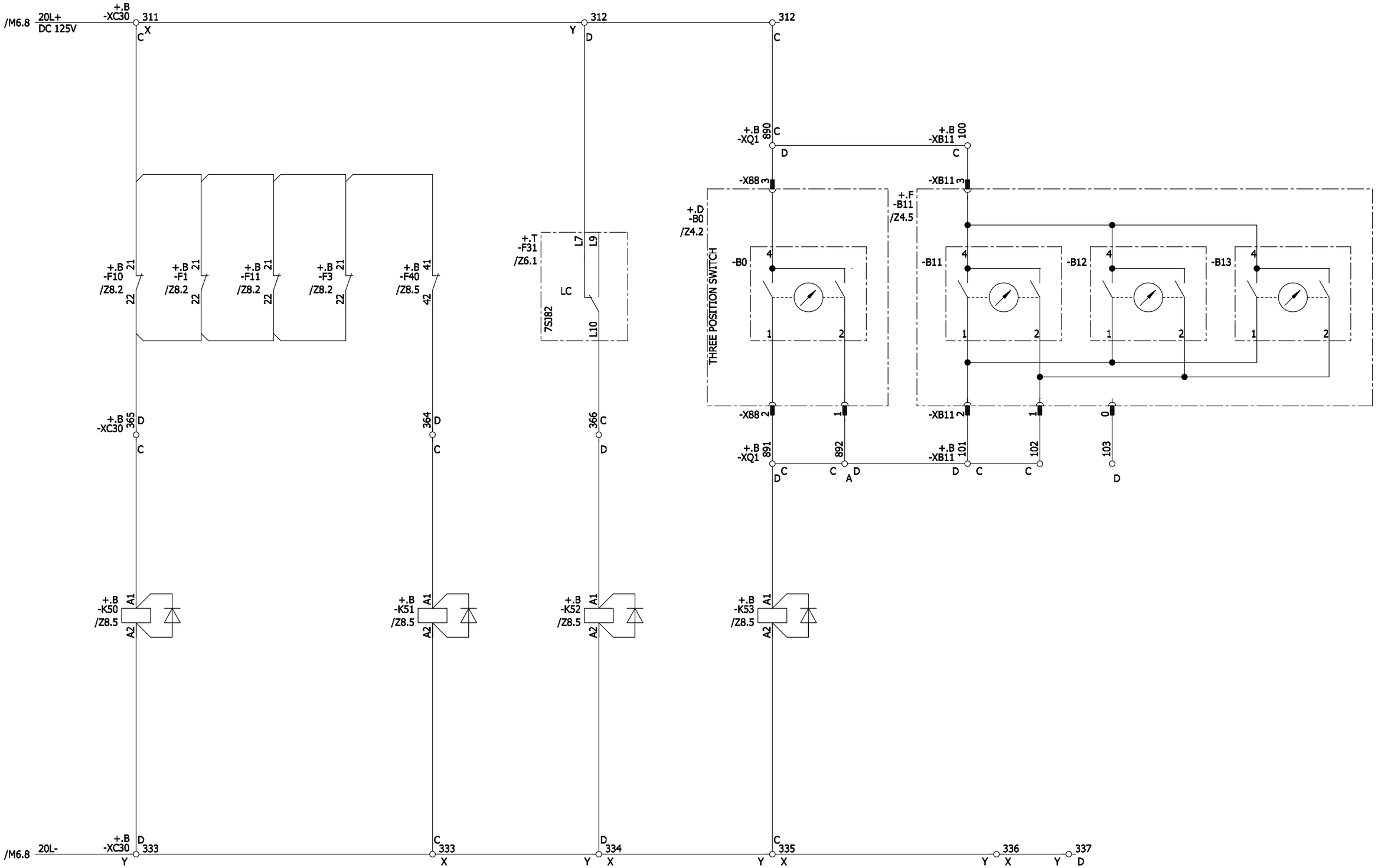
Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

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

=HZ02.2.1 S =H01 +H01 M6
998574-000501 (3) W92210-L1965-S015-A Sheet 6+ 15 Sh.

	SIGNAL CONTACT		GAS MONITORING CIRCUIT				
	MCB OFF/TRIP		PROTECTION RELAY	CB. SF6-GAS MONITORING	BB SF6-GAS MONITORING L1/L2/L3		
	DC MCB TRIP	PT MCB TRIP	LIVE STATUS CONTACT	LOW/HIGH	LOW HIGH	LOW HIGH	LOW HIGH



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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ELCAD-Version 7.7.1 SP2
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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:

LV COMPARTMENT

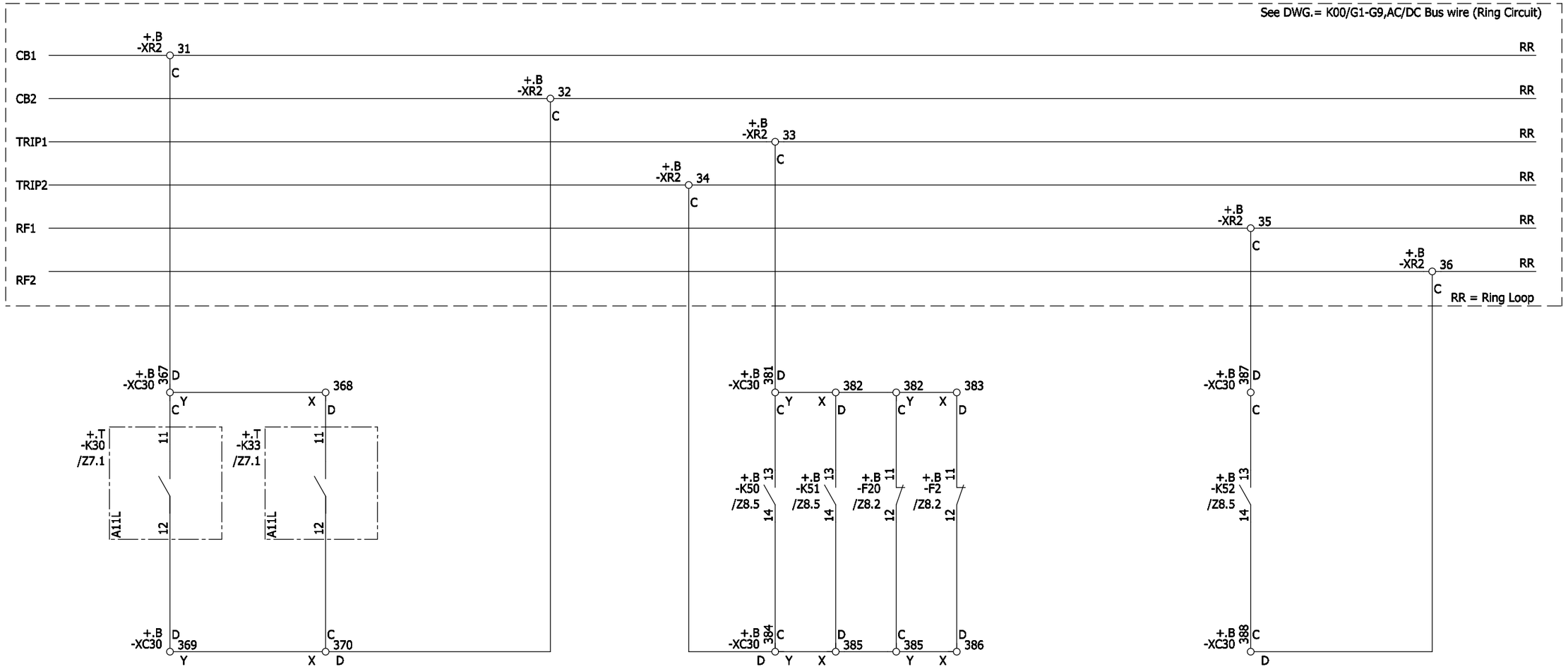
Revision	Modification	Date	Name				
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW Siemens Limited (Taipei) 33KV MAIN SUBSTATION Orig./Prep.for/Prep.by	Siemens AG
				Drawn	Herrmann		
				Appr.	Jacobi		
				Norm			

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

=HZ02.2.1 S =H01
+H01 M7
998574-000501 (3) W92210-L1965-S015-A Sheet 7+
15 Sh.

SIGNAL CONTACT FOR BUS WIRE

LOCKOUT RELAY			MCB OFF / TRIP	PROTECTION RELAY	
	50/51/50N/51N TRIP	EXTERNAL		LIVE STATUS CONTACTS	



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ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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

ELCAD-Version 7.7.1 SP2
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Archive: =H01 / S / M / 8

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Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

Revision	Modification	Date	Name						
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				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 M8
				Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501 (3) W92210-L1965-S015-A Sheet 8+
				Norm		Orig./Prep.for/Prep.by		Circuit diagram	15 Sh.

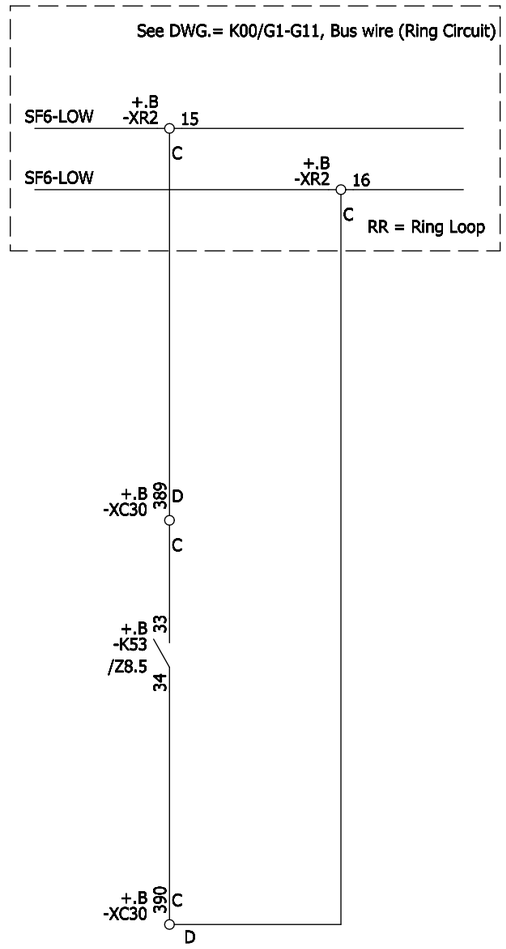
SIGNAL CONTACT FOR BUS WIRE

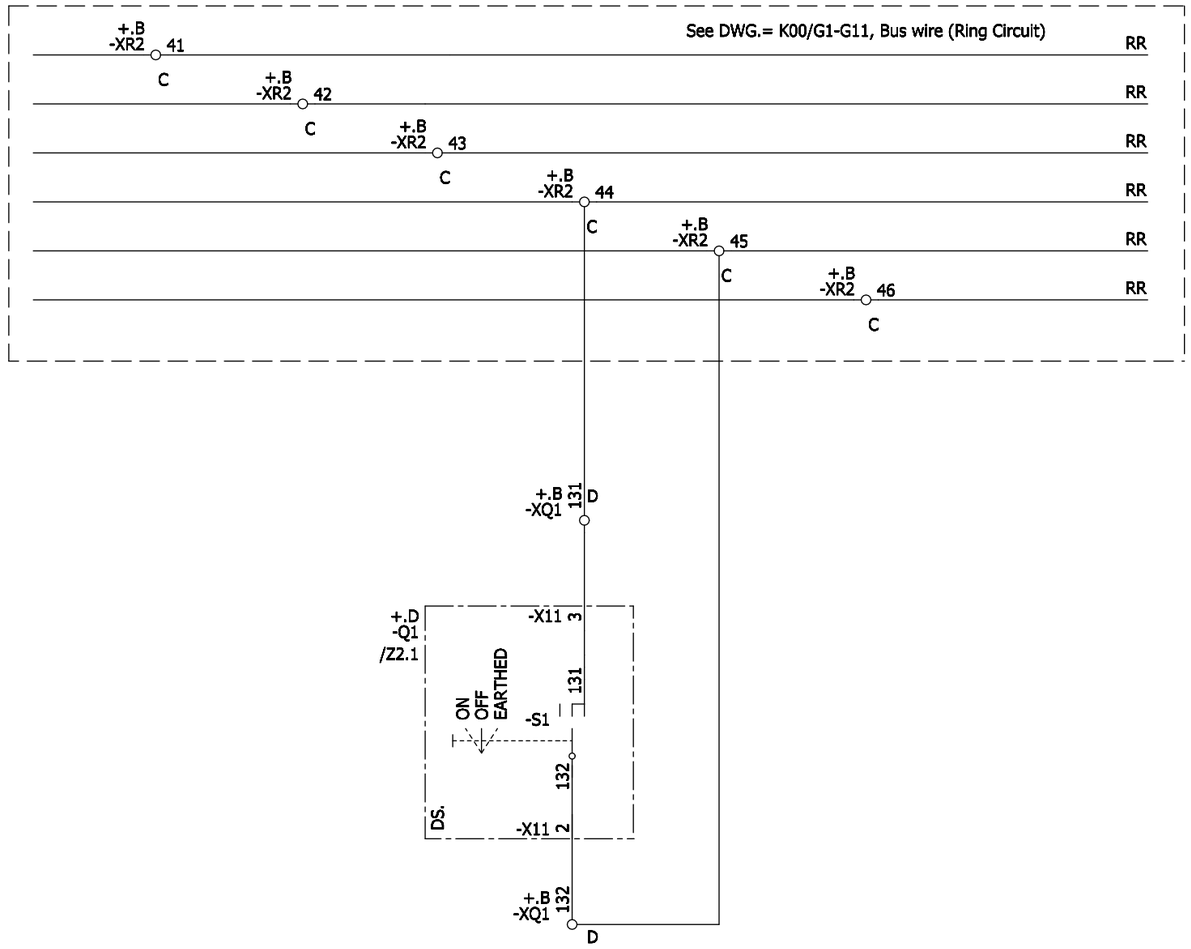
GAS MONITORING CIRCUIT

FOR CB. COMPARTMENT

INTERLOCKING BB ES

DS OFF





ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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ELCAD-Version 7.7.1 SP2
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Archive: =H01 / S / M / 9

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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				
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

=HZ02.2.1 | S | =H01
+H01 | M9

998574-000501 | (3) W92210-L1965-S015-A | Sheet 9+ | 15 Sh.

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

ELCAD-Version 7.7.1 SP2
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Archive: =H01 / S / M / 10
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Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

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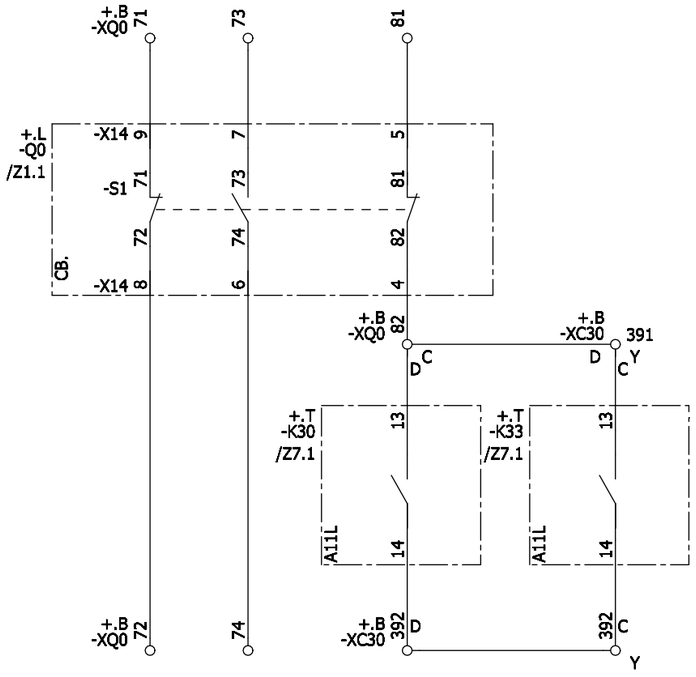
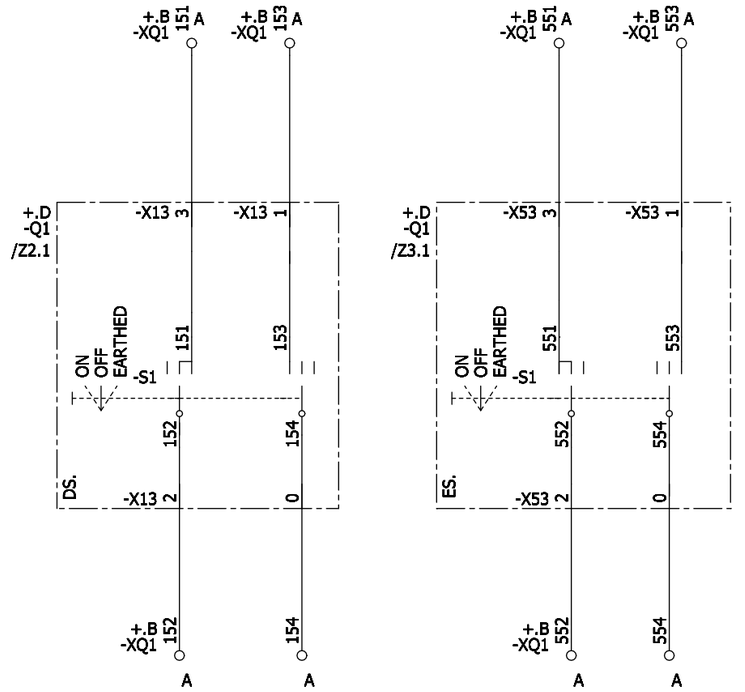
LV COMPARTMENT





ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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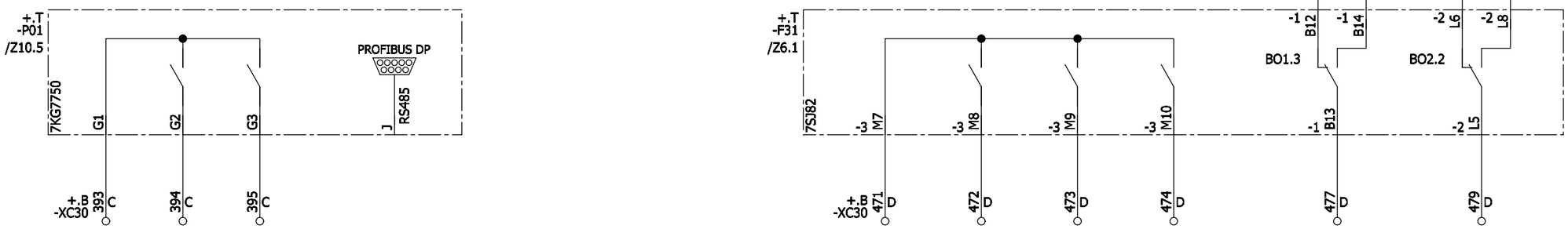
				Drawn	Herrmann	Siemens Limited (Taipei)	
				Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1	S	=H01
FEEDER			+H01
SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S015-A	
Circuit diagram			

M10
Sheet 10+
15 Sh.

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



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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	=HZ02.2.1	S	=H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H01 M11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501	(3) W92210-L1965-S015-A	Sheet 11+
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: =H01 / S / M / 11

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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:

	CONTACT FOR EXTERNAL								
	AUXILIARY CONTACT FOR CB. STATUS								
	ON	OFF	OFF	ON	ON	OFF	OFF	ON	

=EXT
+I/O PANEL

-XX XX -XX XX

+.B -XC30 452 A D — 453 A D — 454 D — 455 D — 456 D — 457 D — 458 D — 459 D

+.B -K40 /Z8.2 13 14 — 21 22 — 31 32 — 43 44 — 53 54 — 61 62 — 71 72 — 83 84

+.B -XC30 460 D A — 461 D A — 462 D — 463 D — 464 D — 465 D — 466 D — 467 D

=EXT
+I/O PANEL

-XX XX -XX XX

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / M / 12
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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:

LV COMPARTMENT

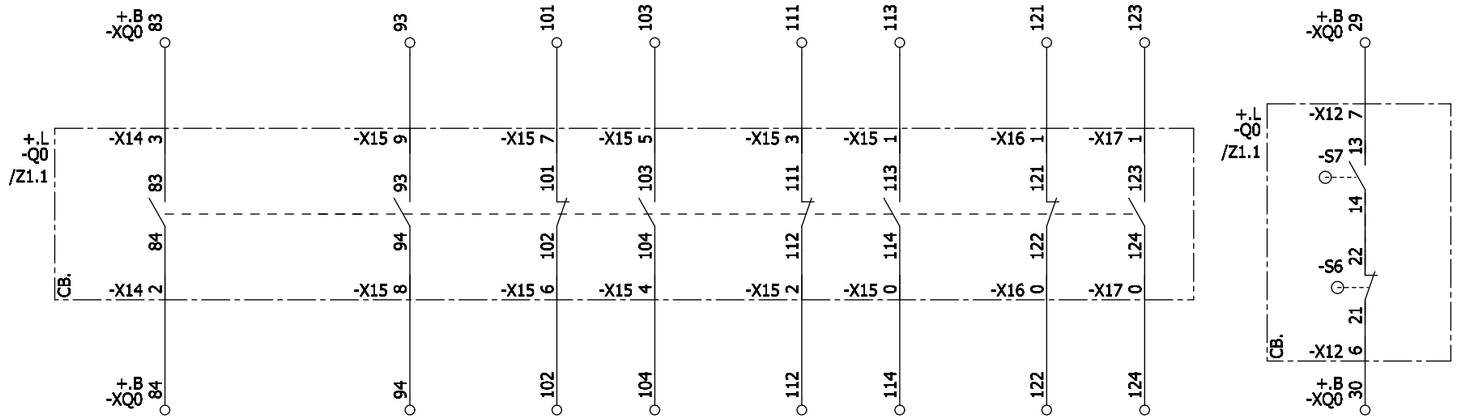
Revision	Modification	Date	Name			
A	change PCMI II	29.04.21	HE	Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
				Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
INDICATION / STATUS
Circuit diagram

=HZ02.2.1 S =H01
+H01 M12
998574-000501 (3) W92210-L1965-S015-A
Sheet 12+ 15 Sh.

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

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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: =H01 / S / M / 13

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
CONTROL CIRCUIT
Circuit diagram

=HZ02.2.1 | S | =H01
+H01 | M13

998574-000501 | (3) W92210-L1965-S015-A | Sheet 13+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / 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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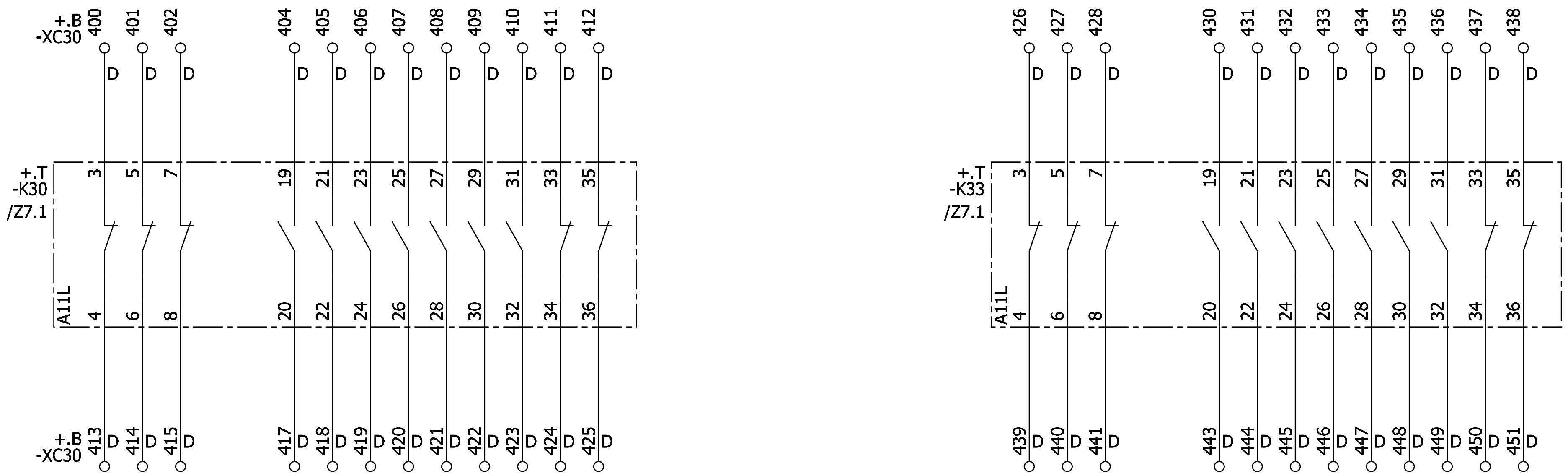
SIGNAL CONTACT FOR EXTERNAL

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

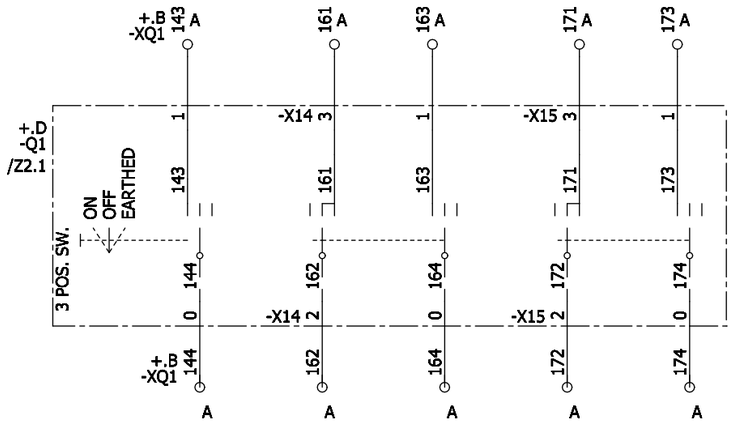
LV COMPARTMENT

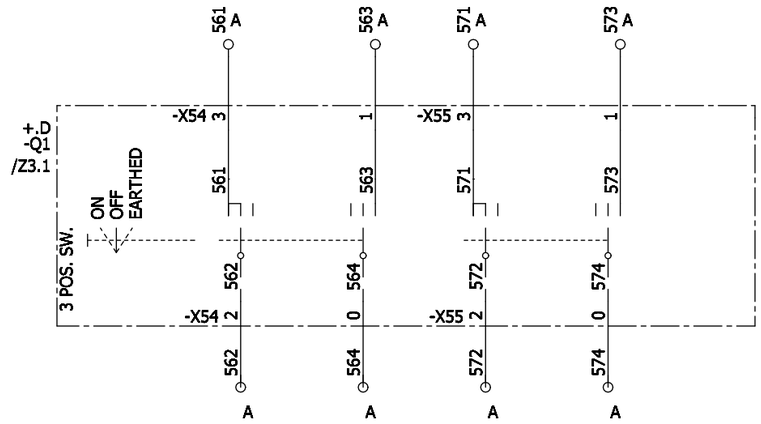


ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 M14
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL	998574-000501 (3) W92210-L1965-S015-A Sheet 14+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	15 Sh.

SPARE AUXILIARY CONTACT						SPARE AUXILIARY CONTACT			
ISOLATOR SWITCH						EARTHING SWITCH			
	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON





LV COMPARTMENT

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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: =H01 / S / M / 15

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

Revision	Modification	Date	Name							
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1	S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER		+H01 M15
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501	(3) W92210-L1965-S015-A Sheet 15-
				Norm		Orig./Prep.for/Prep.by		Circuit diagram		15 Sh.

1st SECONDARY CORE OF CURRENT TRAMSFORMER

FOR PROTECTION

HV COMP.

1st Core
800/5A
15VA Cl. 5P20

+.F -T1L1 /Z10.5 1S2 1S1
+.F -T1L2 /Z10.5 1S2 1S1
+.F -T1L3 /Z10.5 1S2 1S1

H07V-K 4,0 BK

DL = Disconnect. link
SB = Sliding Bridge

+.B PE
H07V-K 4,0 GNYE
+.B -XPE 2 A
B
H07V-K 4,0 GNYE

111 A X
121 A Y X
131 A Y
110PE A
111 X Y

+.B -XT1 112 A SB
122 A SB
132 A SB

DL +.B -XT1 112 B
DL 122 B
DL 132 B
DL 111 B

+.T -GND
FLAT CABLE 2,5x22mm Cu

+.T -F31 /Z6.1
7SJ82
-1 A1 IL1 -1 A2
-1 A3 IL2 -1 A4
-1 A5 IL3 -1 A6
-1 A7 $3I_0$ -1 A8
-2 PE

LV COMPARTMENT

ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / 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	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 S1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS	998574-000501 (3) W92210-L1965-S015-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

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / 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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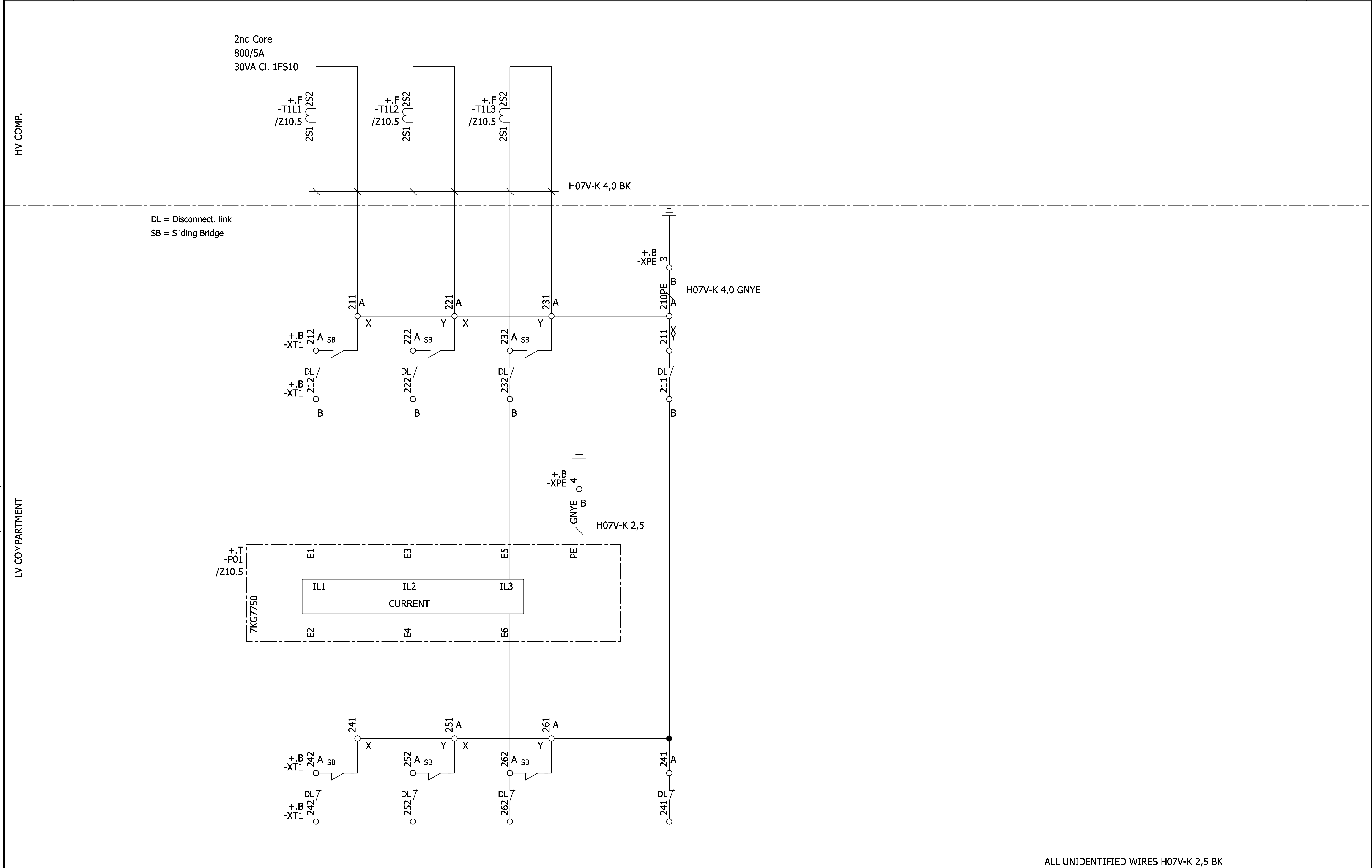
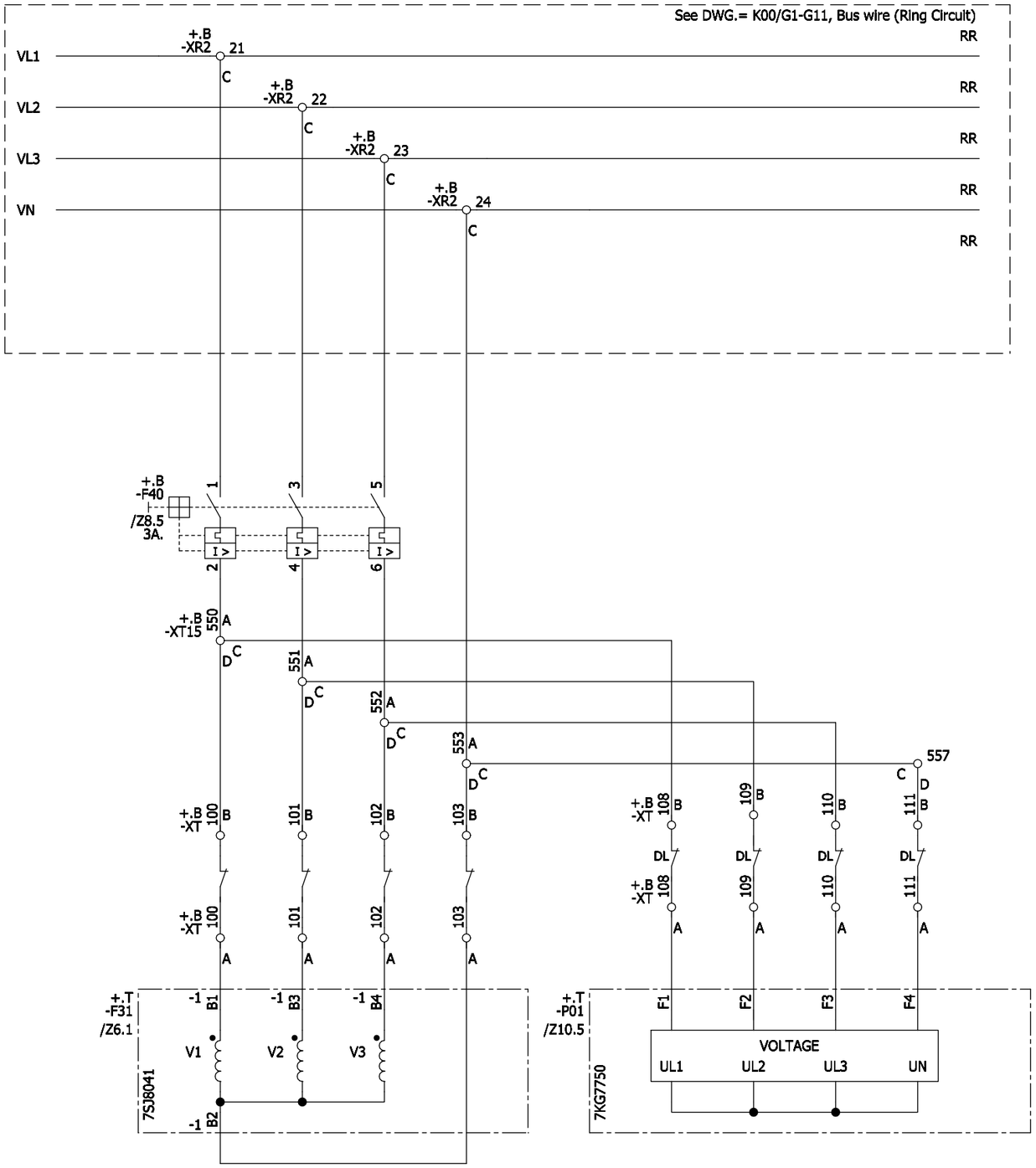


			Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
			Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 S2
A	change PCMI II	29.04.21	HE Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS	998574-000501 (3) W92210-L1965-S015-A Sheet 2+
Revision	Modification	Date	Name Norm		Orig./Prep.for/Prep.by		Circuit diagram	4 Sh.

SECONDARY WINDING OF BUSBAR VOLTAGE TRAFO

FROM AC. BUSWIRE VOLTAGE (INCOMING FEEDER)

FOR METERING



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / 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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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
TRANSFORMER CIRCUITS
Circuit diagram

=HZ02.2.1 S =H01
+H01 S3
998574-000501 (3) W92210-L1965-S015-A
Sheet 3+ 4 Sh.

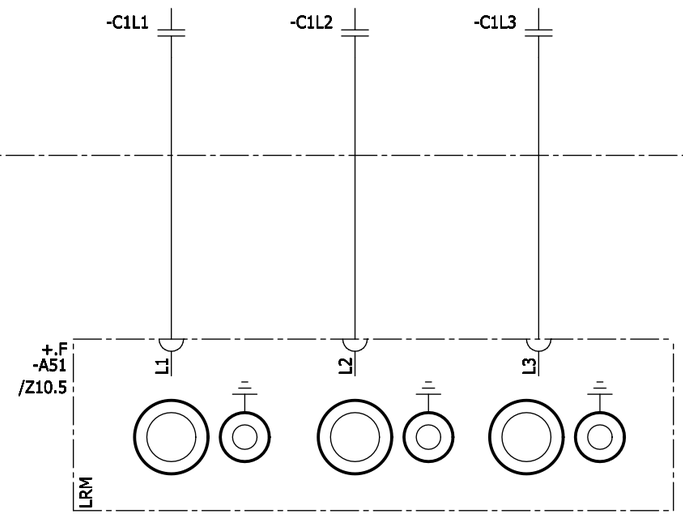
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / S / 4

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

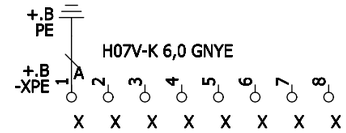
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

HV COMP.

CAP. VOLTAGE TAP



LV COMPARTMENT



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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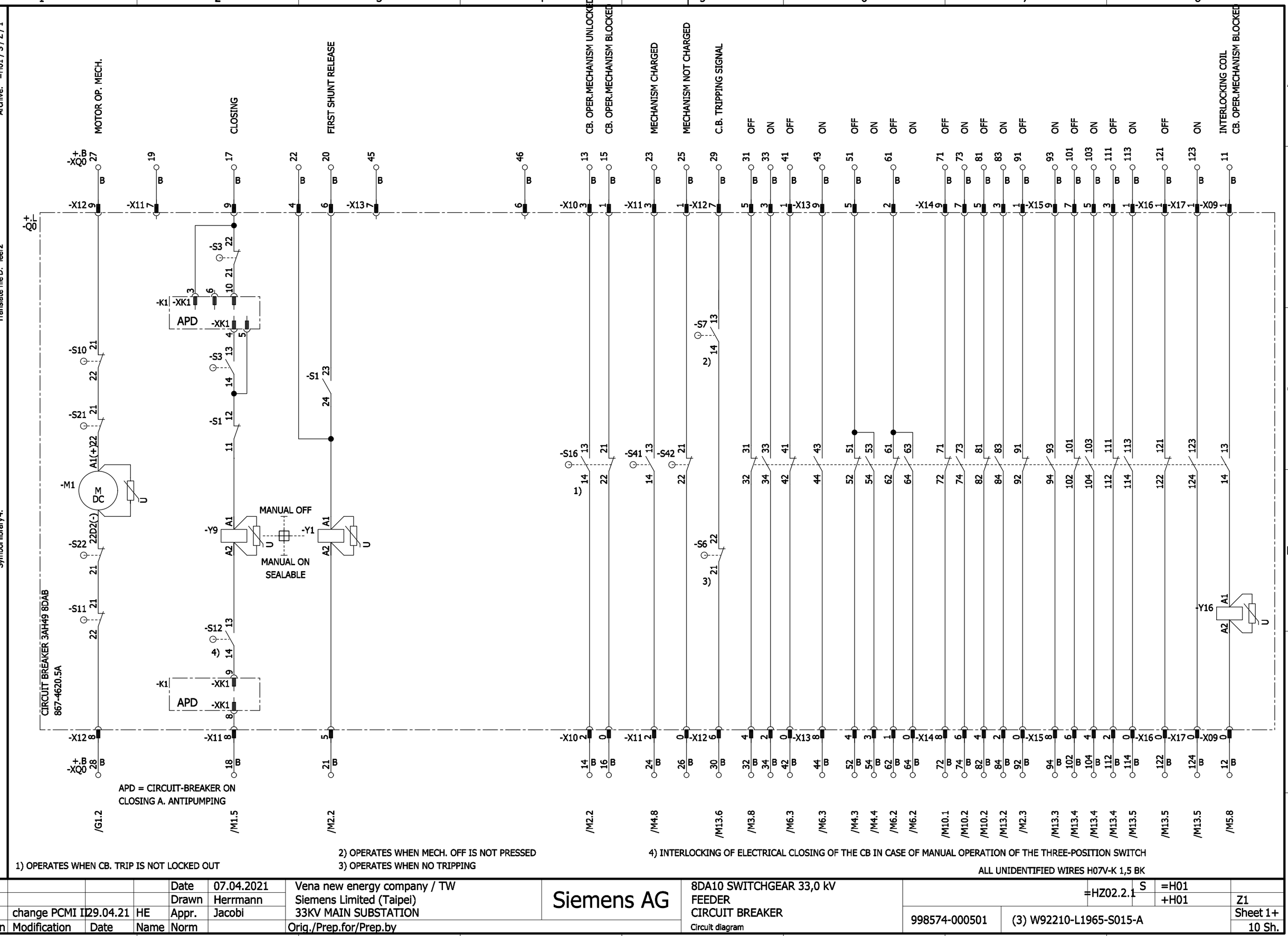
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1	S	=H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H01 S4
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CAPDIS-S1+	998574-000501	(3) W92210-L1965-S015-A	Sheet 4-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			4 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: =H01 / S / Z / 1

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 Z1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CIRCUIT BREAKER	998574-000501 (3) W92210-L1965-S015-A Sheet 1+
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: =H01 / S / Z / 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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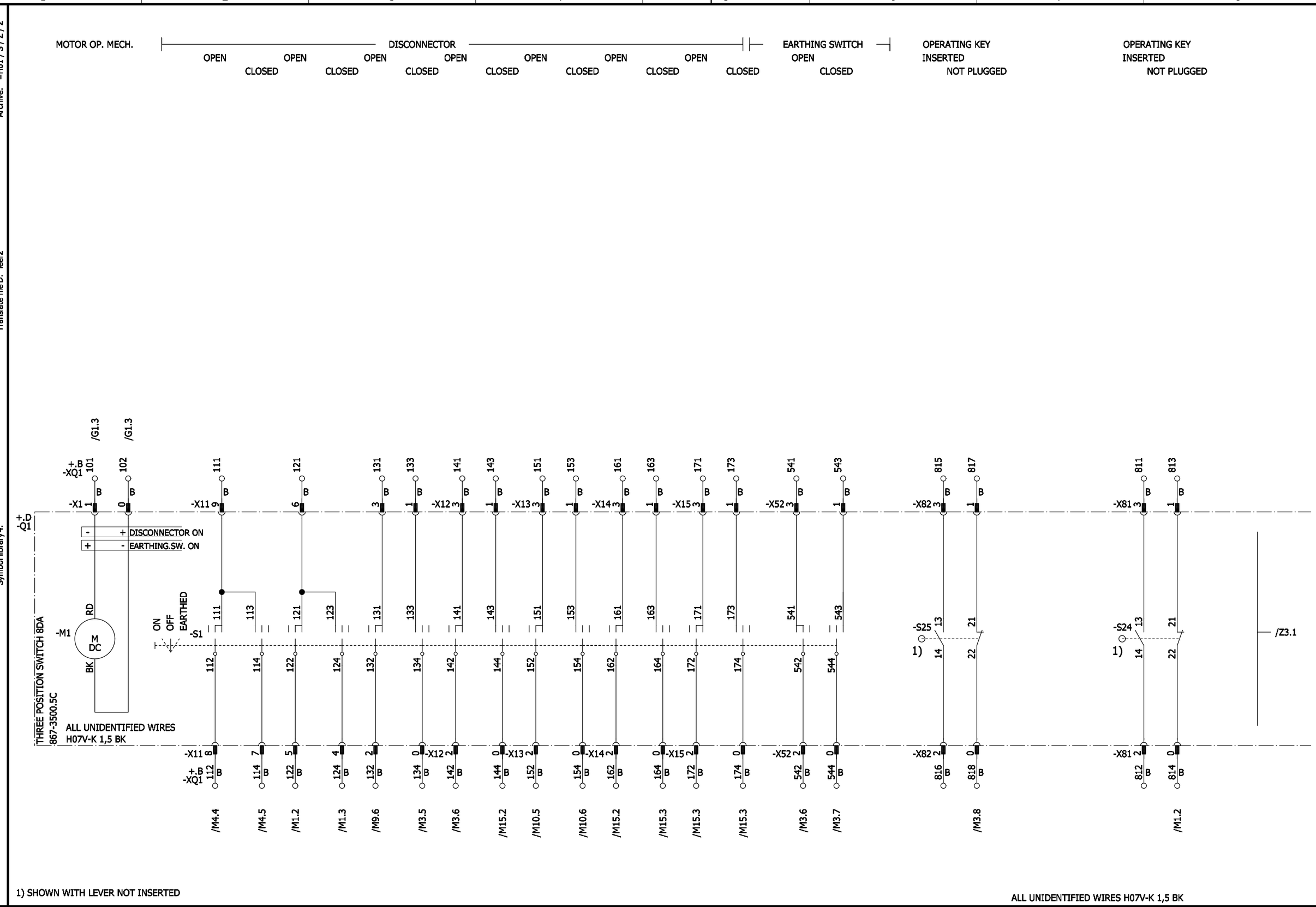

1) SHOWN WITH LEVER NOT INSERTED

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 Z2
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		THREE POSITION SWITCH	998574-000501 (3) W92210-L1965-S015-A Sheet 2+
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: =H01 / S / Z / 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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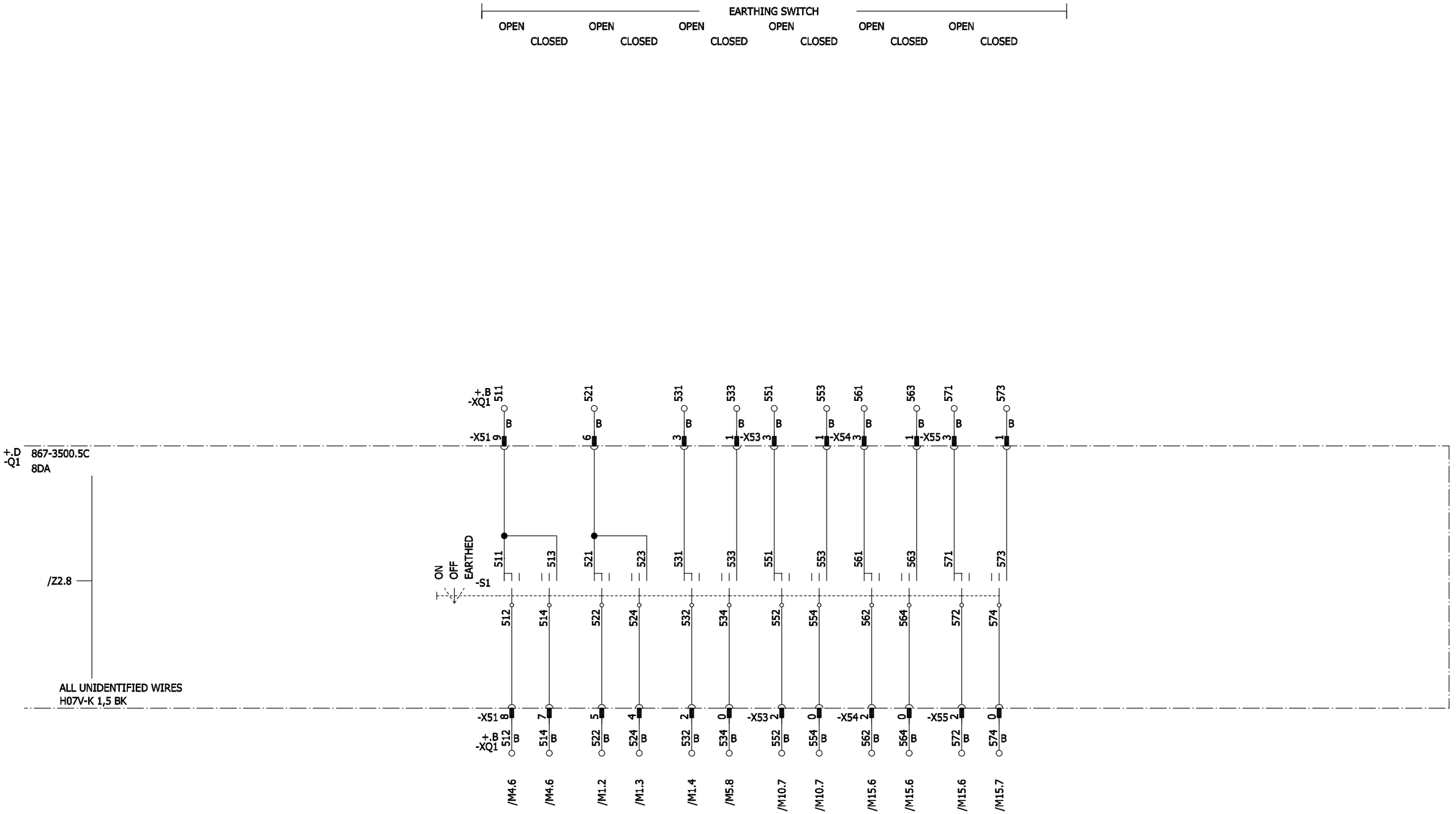


ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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

Siemens AG

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

=HZ02.2.1 | S | =H01 | +H01 | Z3

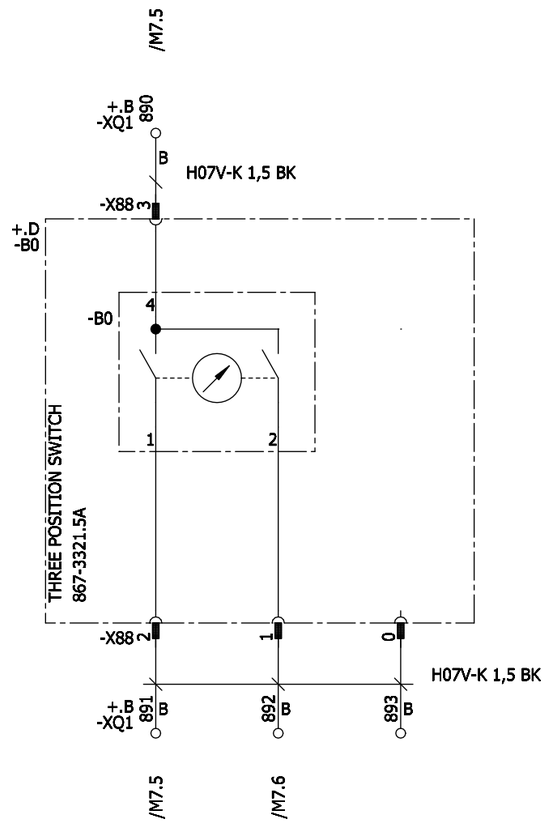
998574-000501 | (3) W92210-L1965-S015-A | Sheet 3+ | 10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / Z / 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:

GAS PRESSURE MONITORING
CIRCUIT BREAKER -Q0
P< P>

PLEASE NOTE:

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

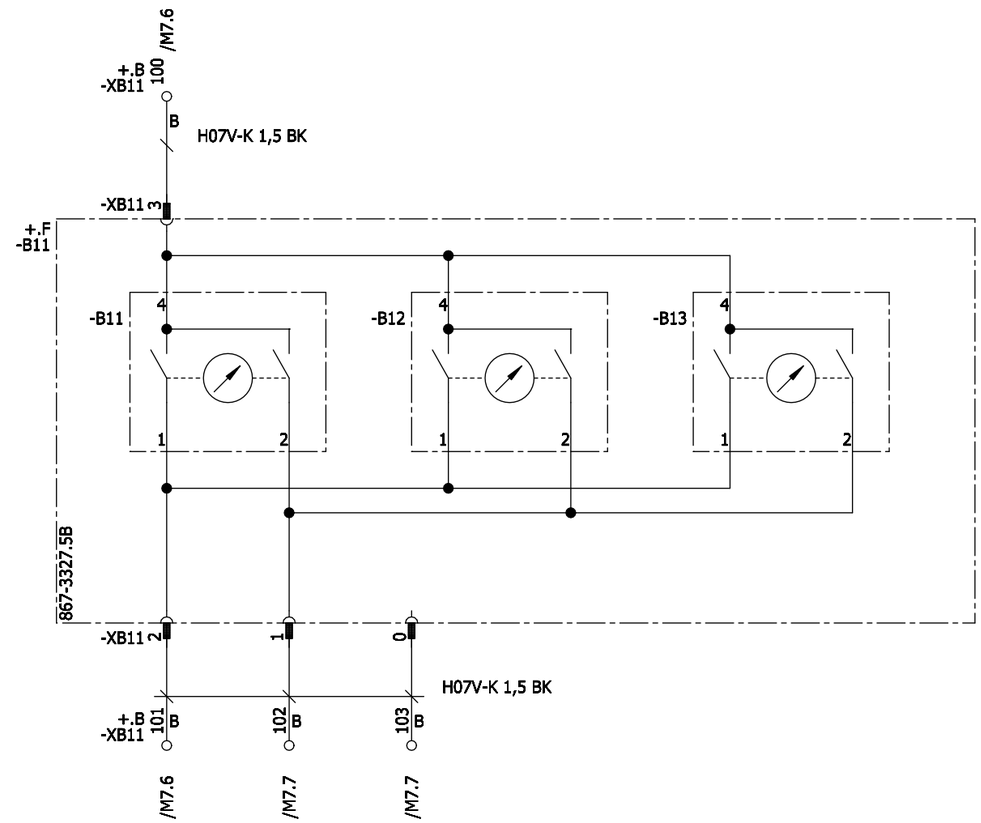


GAS PRESSURE MONITORING BUSBAR 1

P< P>

PLEASE NOTE:

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



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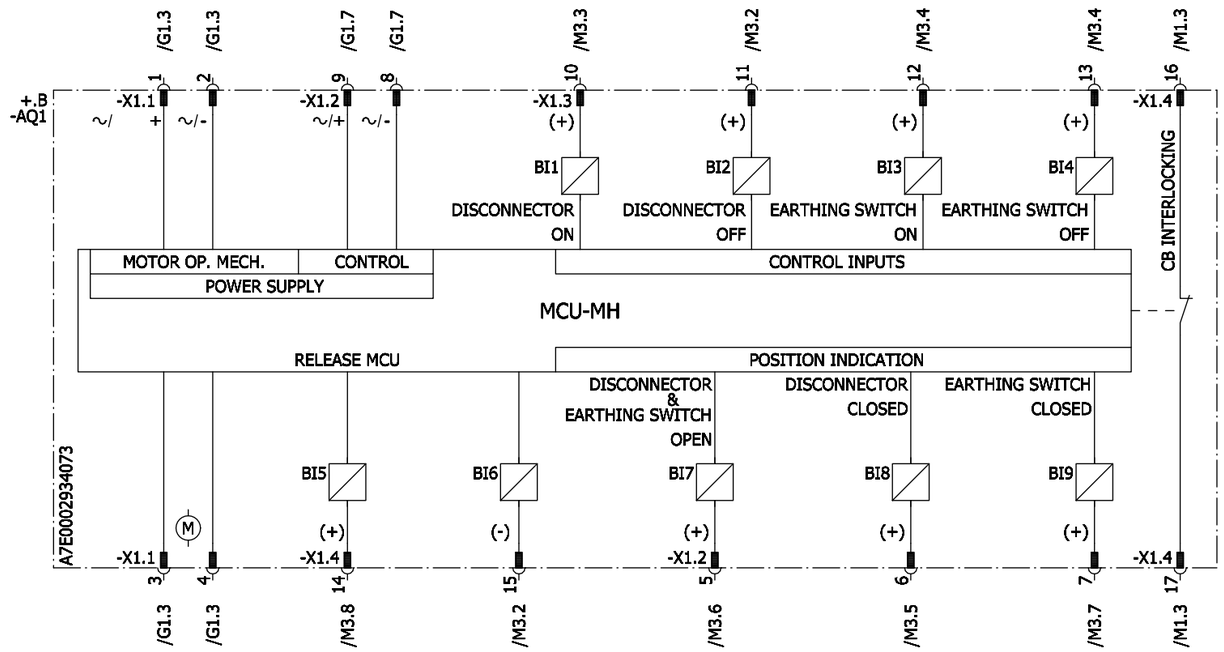
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1	S	=H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER			+H01 Z4
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		VOIS +	998574-000501	(3) W92210-L1965-S015-A	Sheet 4+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram			10 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / 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:

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
PROTECTION DEVICE
Circuit diagram

=HZ02.2.1		S	=H01		
			+H01	Z5	
998574-000501	(3) W92210-L1965-S015-A			Sheet 5+	
				10 Sh.	

+.T
-F31

MULTIFUNCTIONAL PROTECTION WITH CONTROL
LANG: 7SJ82-DAAA-AA0-007820-AK0411-121 1B-BAA000-000AB0-HB1BD4-JA0
KURZ: [illegible]

IO102

-1

TRANSFORMER INPUTS

/S1.3	A1	I_1
/S1.3	A2	
/S1.3	A3	I_2
/S1.3	A4	
/S1.3	A5	I_3
/S1.4	A6	
/S1.4	A7	I_4
/S1.4	A8	
/S1.4	B1	U_1
/S3.2	B3	
/S3.2	B4	U_2
/S3.2	B2	
/S3.2	B5	U_3
	B6	
		U_4

BINARY INPUTS

/M2.6	D4	L+	
/M2.6	D6		BI 1.1
	D7	L+	BI 1.2
	D8	L+	BI 1.3
	D9	L+	BI 1.4
	D10	L+	BI 1.5
	D11	L+	BI 1.6
	D12	L+	BI 1.7
	D13	L+	
	D14		BI 1.8

BINARY OUTPUTS

/M2.2	B7	
/M2.2	B8	BO 1.1
/M5.2	B10	
/M5.2	B9	
/M5.2	B11	BO 1.2
/M11.7	B13	
/M11.6	B12	
/M11.7	B14	BO 1.3
/M1.7	D1	BO 1.4
/M1.8	D3	BO 1.5
/M1.8	D5	BO 1.6
/M1.7	D2	

PS101

POWER SUPPLY

-2

/G1.6	L1	L+	
/G1.6	L2	L-	

BINARY INPUTS

/M4.2	L12	L+	BI 2.1
/M4.2	L14	L+	BI 2.2
/M4.3	L13	L+	BI 2.3
/M4.2	L11		

BINARY OUTPUTS

/M5.2	L3		
/M5.2	L4		BO 2.1
/M11.7	L5		
/M11.7	L6		
/M11.7	L8		BO 2.2
/M7.4	L10		
/M7.4	L7		LIVE CONTACT
/M7.4	L9		

FP		FRONT INTERFACE USB
J		SYSTEM INTERFACE
G		D-Sub 9
E1		LC DUPLEX INTERFACE
E2		
F1		
F2		
PE	(PE)	

/S1.4

IO110

-3

BINARY INPUTS

/M2.6	N2	L+	BI 3.1
/M2.6	N3	L+	BI 3.2
/M2.6	N1		
	N4		NC
/M4.3	N5	L+	BI 3.3
/M4.4	N6	L+	BI 3.4
/M4.4	N7	L+	BI 3.5
/M4.5	N8	L+	BI 3.6
/M4.6	N9	L+	BI 3.7
/M4.6	N10	L+	BI 3.8
/M4.6	N12	L+	BI 3.9
/M4.7	N13	L+	BI 3.10
/M4.7	N14	L+	BI 3.11
/M4.8	N15	L+	BI 3.12
/M4.3	N11		

BINARY OUTPUTS

/M3.2	M2	BO 3.1
/M3.3	M3	BO 3.2
/M3.4	M4	BO 3.3
/M3.4	M5	BO 3.4
/M3.2	M1	
	M6	NC
/M11.5	M8	BO 3.5
/M11.5	M9	BO 3.6
/M11.6	M10	BO 3.7
/M11.5	M7	

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

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: =H01 / S / Z / 6

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

Siemens AG

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

=HZ02.2.1 S =H01
+H01 Z6
998574-000501 (3) W92210-L1965-S015-A
Sheet 6+
10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2

Archive: =H01 / 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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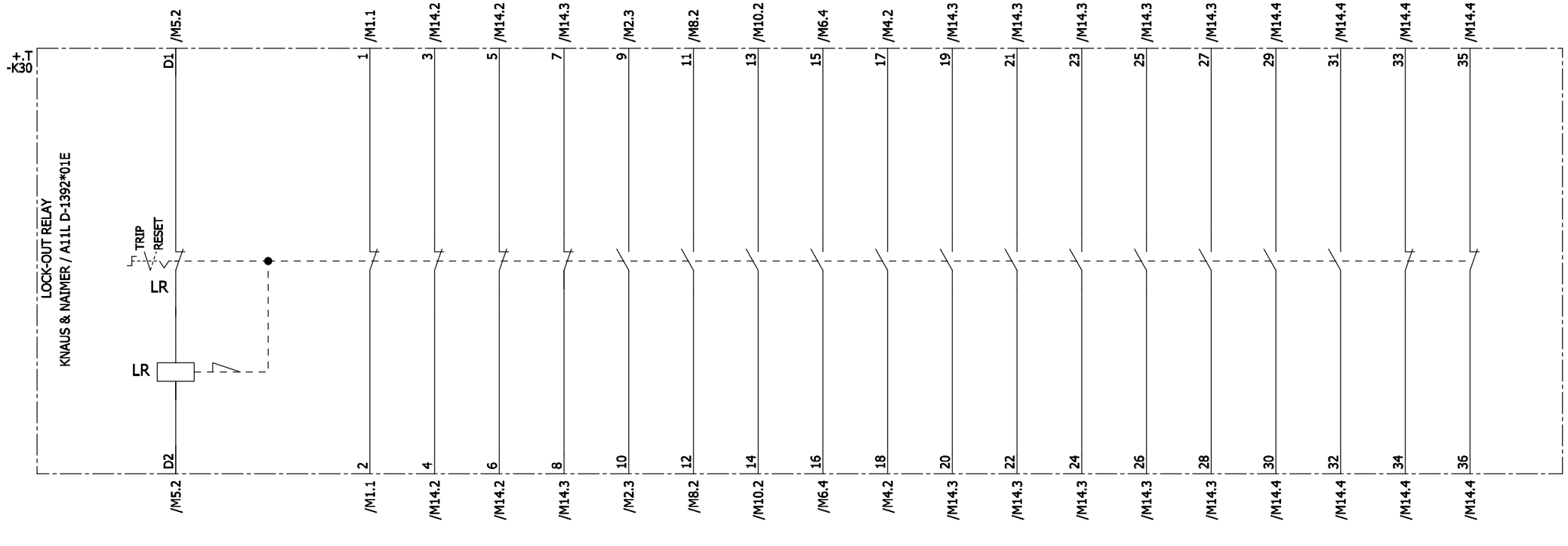

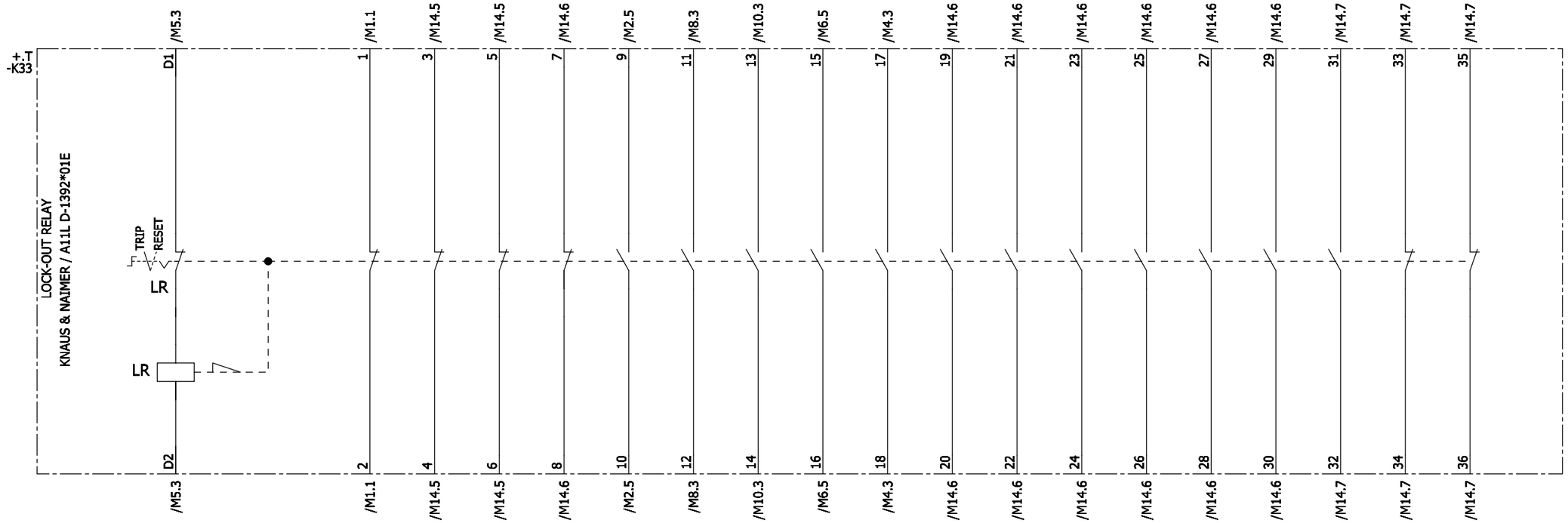

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01 Z7
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501 (3) W92210-L1965-S015-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: =H01 / 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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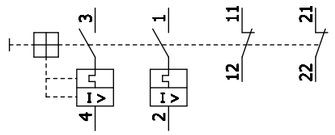
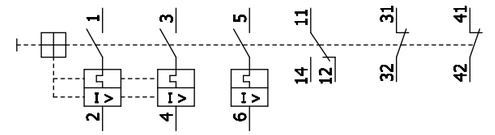
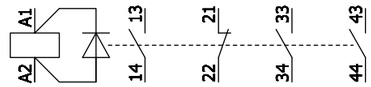


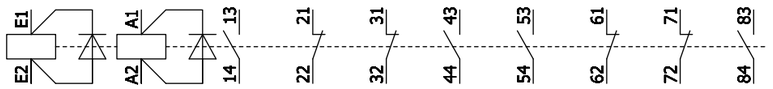
5SY5232-7 +.B 2-pol, C 32A -F1 5ST3012 2NC CB. MOTOR DRIVE	/G2.3	/G2.3	/M6.6	/M7.2
5SY5232-7 +.B 2-pol, C 32A -F2 5ST3012 2NC CONTROL/PROTECTION	/G2.4	/G2.4	/M8.6	
5SY5232-7 +.B 2-pol, C 32A -F3 5ST3012 2NC TPS. MOTOR DRIVE	/G2.5	/G2.6	/M6.7	/M7.3
5SY5204-7 +.B 2-pol, C 4A -F10 5ST3012 2NC CB. MOTOR 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	/M6.7	/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

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

=HZ02.2.1	S	=H01	
		+H01	Z8
998574-000501	(3) W92210-L1965-S015-A		Sheet 8+ 10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / Z / 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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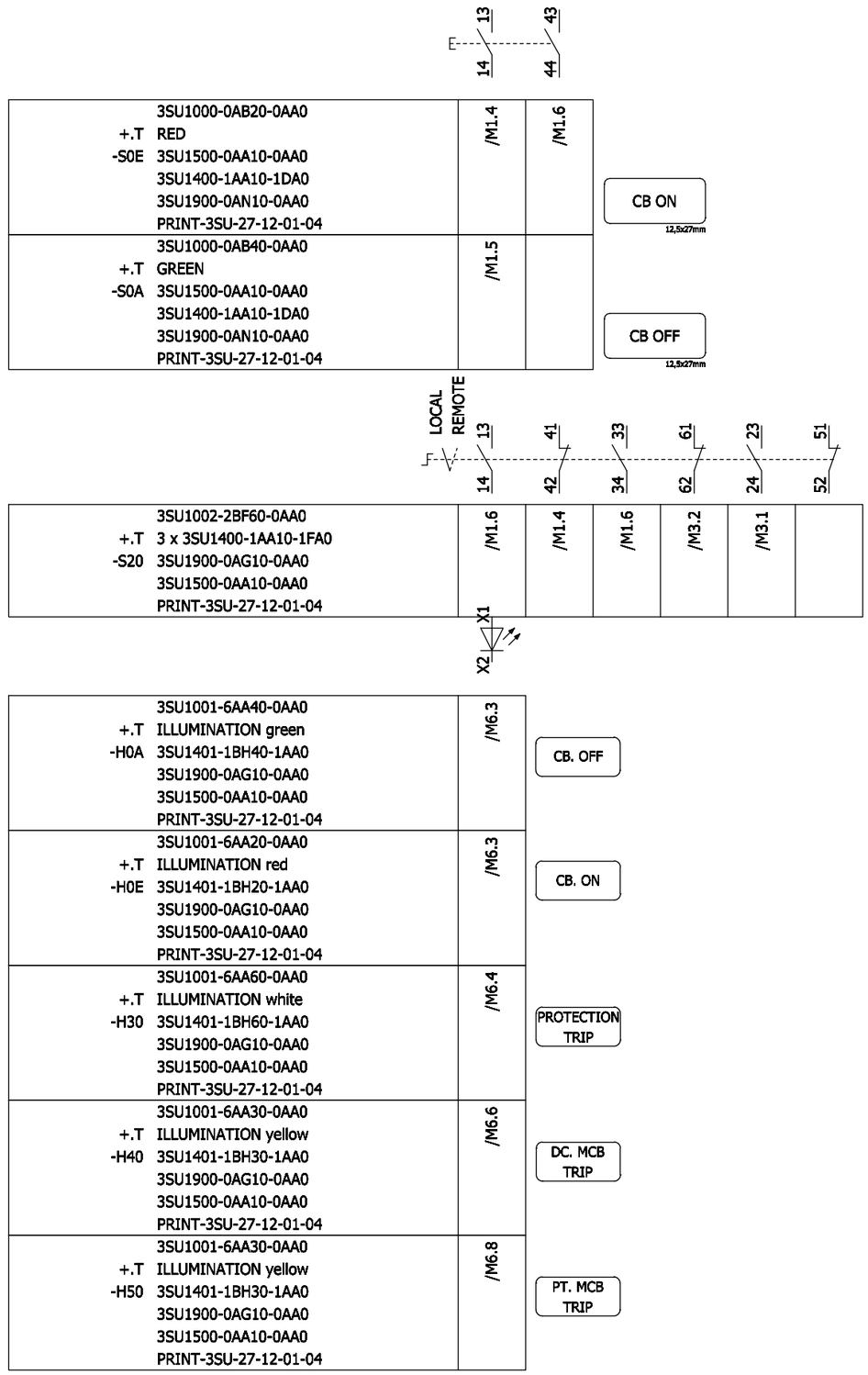

Revision	Modification	Date	Name					
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT
				Norm		Orig./Prep.for/Prep.by		Circuit diagram

		=HZ02.2.1	S	=H01	
				+H01	Z9
998574-000501	(3) W92210-L1965-S015-A				Sheet 9+
					10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H01 / S / Z / 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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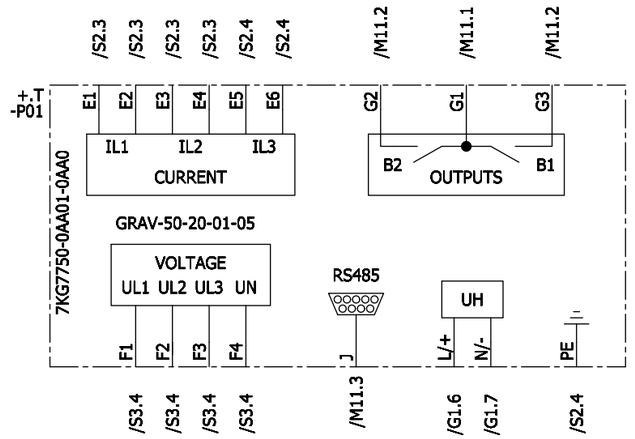
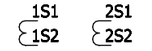
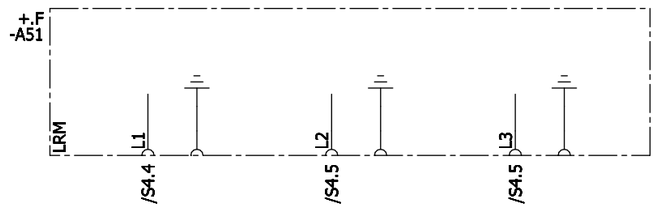




4MC4_30 +.F 1st Core= 800/5A; 15VA Cl. 5P20 -T1L1 2nd Core= 800/5A; 30VA Cl. 1FS10	/S1.3	/S2.3
4MC4_30 +.F 1st Core= 800/5A; 15VA Cl. 5P20 -T1L2 2nd Core= 800/5A; 30VA Cl. 1FS10	/S1.3	/S2.3
4MC4_30 +.F 1st Core= 800/5A; 15VA Cl. 5P20 -T1L3 2nd Core= 800/5A; 30VA Cl. 1FS10	/S1.4	/S2.4



				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 S =H01	
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+H01	Z10
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501 (3) W92210-L1965-S015-A	Sheet 10-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram		10 Sh.

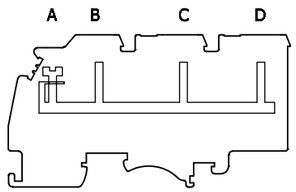
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-13
Archive: =H01 / V / / / 1

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:

	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: 11-46
Terminal block type: UPCV3K
Wire type:

FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 24

-XR2

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
		11	=H00/G1.3	-F1 :4	-F10 :3	=H02 +.B -XR2 :11 B
		12	=H00/G1.3	-F1 :2	-F10 :1	=H02 +.B -XR2 :12 B
		13	=H00/G1.3	-F2 :4	-F20 :3	=H02 +.B -XR2 :13 B
		14	=H00/G1.3	-F2 :2	-F20 :1	=H02 +.B -XR2 :14 B
		15	=H00/G1.3		-XC30 :389 D	=H02 +.B -XR2 :15 B
		16	=H00/G1.3		-XC30 :390 D	=H02 +.B -XR2 :16 B
		21	=H00/G1.3		-F40 :1	=H02 +.B -XR2 :21 B
		22	=H00/G1.3		-F40 :3	=H02 +.B -XR2 :22 B
		23	=H00/G1.3		-F40 :5	=H02 +.B -XR2 :23 B
		24	=H00/G1.3		-XT15 :553 A	=H02 +.B -XR2 :24 B
		25	=H00/G1.3	-F3 :4	-F11 :3	=H02 +.B -XR2 :25 B
		26	=H00/G1.3	-F3 :2	-F11 :1	=H02 +.B -XR2 :26 B
		31	=H00/G1.3		-XC30 :367 D	=H02 +.B -XR2 :31 B
		32	=H00/G1.3		-XC30 :370 D	=H02 +.B -XR2 :32 B
		33	=H00/G1.3		-XC30 :381 D	=H02 +.B -XR2 :33 B
		34	=H00/G1.3		-XC30 :384 D	=H02 +.B -XR2 :34 B
		35	=H00/G1.3		-XC30 :387 D	=H02 +.B -XR2 :35 B
		36	=H00/G1.3		-XC30 :388 D	=H02 +.B -XR2 :36 B
		41	=H00/G7.2	-XR2 :44 B		=H02 +.B -XR2 :41 B
		42	=H00/G7.2			=H02 +.B -XR2 :42 B
		43	=H00/G7.2			=H02 +.B -XR2 :43 B
		44	=H00/G7.2	-XR2 :41 B	-XQ1 :131 D	
		45	=H00/G7.2		-XQ1 :132 D	=H02 +.B -XR2 :44 B
		46	=H00/G7.2			=H02 +.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

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				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	
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XR2
Connection table

=HZ02.2.1 | V | =H01 | +.B | /1

998574-000501 | (3) W92210-L1965-S018-A | Sheet 1+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11_I
Archive: =H01 / 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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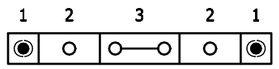
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

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



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

Termination A Destination Item designation			Terminal strip Link	Term.-no.	Cross-ref.	Termination B Destination Item designation		
				-XT1				
	-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

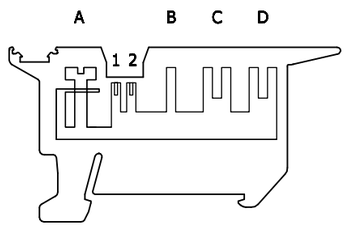
Revision	Modification	Date	Name				
				Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XT1
Connection table

=HZ02.2.1 V =H01 +.B /2
998574-000501 (3) W92210-L1965-S018-A Sheet 2+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / 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:

	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
301-906	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 168

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	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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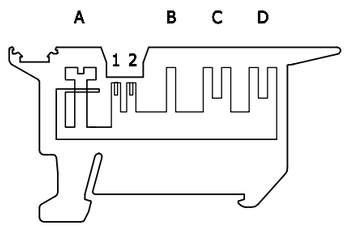
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		=H01+.B-XC30
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Connection table

=HZ02.2.1	V	=H01			
		+.B	/3		
998574-000501	(3) W92210-L1965-S018-A		Sheet 3+		
			15 Sh.		

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / V / / / 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
301-906	VBSTB 4-FS	

FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 168

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				-F2	:11
					384	/M9.5		-K50	:14	-XR2	:34 C
					385	/M9.5		-F20	:12	-K51	:14
					386	/M9.6				-F2	:12
					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

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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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

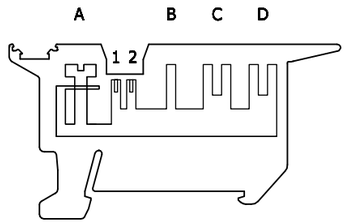
Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XC30
Connection table

=HZ02.2.1 | V | =H01 | +.B | /4

998574-000501 | (3) W92210-L1965-S018-A | Sheet 4+ | 15 Sh.

	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
301-906	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 168

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					
		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	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
=H01+.B-XC30
Connection table

=HZ02.2.1 | V | =H01 | +.B | /5

998574-000501 | (3) W92210-L1965-S018-A | Sheet 5+ | 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / 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:

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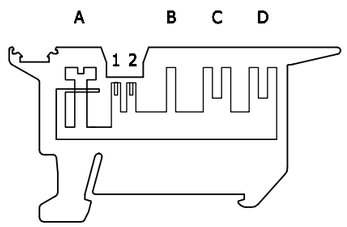
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-906	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 168

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

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / 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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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
=H01+.B-XC30
Connection table

=HZ02.2.1 | V | =H01 | +.B | /6

998574-000501 | (3) W92210-L1965-S018-A | Sheet 6+ | 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / V / / / 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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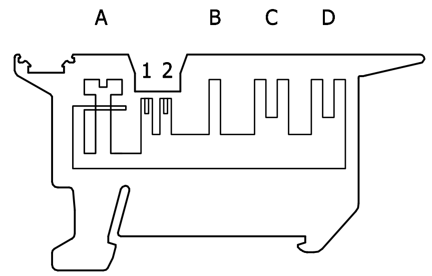
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal	Terminal block type	Wire type
301-906	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 168

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9	Termination A Destination Item designation	Terminal strip -XC30 Link (1 2 JUMPER)	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
									=PAS +Panel -XX :XX	●	492	/M5.6			-K5A :A1
									=PAS +Panel -XX :XX	●	493	/M5.7			-K5E :A1
									=XX +XX -X :XX	●	901	/G2.3			-F1 :3
									=XX +XX -X :XX	●	902	/G2.3			-F1 :1
									=XX +XX -X :XX	●	903	/G2.4			-F2 :3
									=XX +XX -X :XX	●	904	/G2.4			-F2 :1
									=XX +XX -X :XX	●	905	/G2.5			-F3 :3
									=XX +XX -X :XX	●	906	/G2.6			-F3 :1

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XC30
Connection table

=HZ02.2.1 V =H01 +.B /7

998574-000501 (3) W92210-L1965-S018-A

Sheet 7+
15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / 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:/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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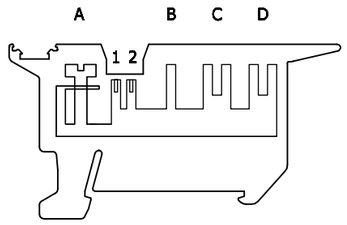
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal: 11-124
Terminal block type: VBSTB 4-FS
Wire type:

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

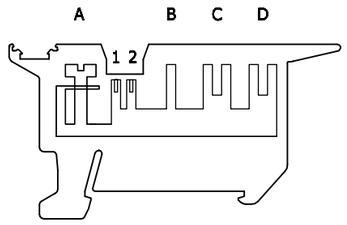
				Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION	
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XQ0
Connection table

=HZ02.2.1 V =H01
+.B /8
998574-000501 (3) W92210-L1965-S018-A
Sheet 8+
15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / 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:

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XQ0
Connection table

=HZ02.2.1 V =H01 /9
+.B
998574-000501 (3) W92210-L1965-S018-A
Sheet 9+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / 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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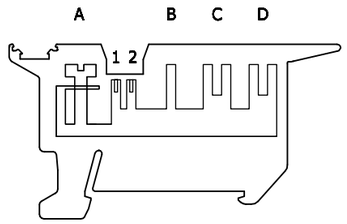
	Cable designation	Type, no.of cores, cross sec.	Destination, equipment code	Level
1				
2				
3				
4				
5				
6				
7				
8				
9				



1 = Slot 1
2 = Slot 2

Terminal: 101-893
Terminal block type: VBSTB 4-FS
Wire type:

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	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ1					
	1 2 JUMPER					
		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

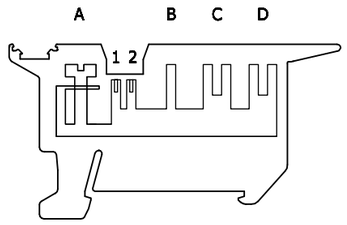
Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XQ1
Connection table

=HZ02.2.1 V =H01
+.B /10
998574-000501 (3) W92210-L1965-S018-A
Sheet 10+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / 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	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XQ1					
	1 2 JUMPER					
		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	-XB11 :100 C
		891	/M7.5	+.D -B0-X88 :2	-XQ1 :892 C	-K53 :A1
		892	/M7.6	+.D -B0-X88 :1	-XQ1 :891 C	-XB11 :101 D
		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
=H01+.B-XQ1
Connection table

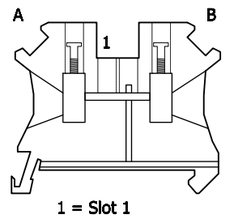
=HZ02.2.1 V =H01 +.B /11

998574-000501 (3) W92210-L1965-S018-A

Sheet 11+
15 Sh.

	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			
=H01 +.BPE		1	/S4.8	
=H01 +.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

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11
Archive: =H01 / 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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Revision	Modification	Date	Name			
				Date	07.04.2021	Vena new energy company / TW
				Drawn	Herrmann	Siemens Limited (Taipei)
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION
				Norm		Orig./Prep.for/Prep.by

Siemens AG

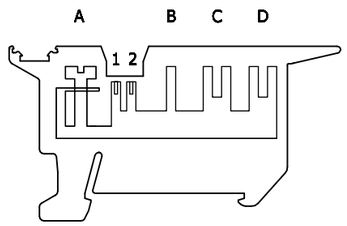
8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XPE
Connection table

=HZ02.2.1 V =H01 +.B /12

998574-000501 (3) W92210-L1965-S018-A Sheet 12+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / V / / / 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:

	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: 550-557
Terminal block type: VBSTB 4-FS
Wire type:

FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 5

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	→
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	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
=H01+.B-XT15
Connection table

=HZ02.2.1 V =H01 +.B /13

998574-000501 (3) W92210-L1965-S018-A Sheet 13+ 15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-11_I
Archive: =H01 / V / / / 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:

	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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	Termination A Destination Item designation			Link	Term.-no.	Cross-ref.	Termination B Destination Item designation	
																	-XT				
														+.T	-F31-1	:B1		100	/S3.2	-XT15	:550 D
														+.T	-F31-1	:B3		101	/S3.2	-XT15	:551 D
														+.T	-F31-1	:B4		102	/S3.2	-XT15	:552 D
														+.T	-F31-1	:B2		103	/S3.3	-XT15	:553 D
														+.T	-P01	:F1		108	/S3.4	-XT15	:550 C
														+.T	-P01	:F2		109	/S3.4	-XT15	:551 C
														+.T	-P01	:F3		110	/S3.4	-XT15	:552 C
														+.T	-P01	:F4		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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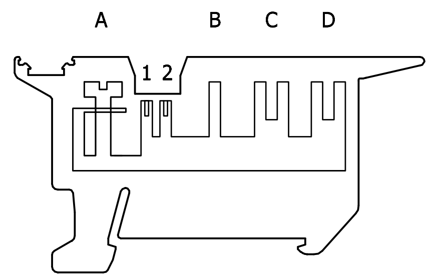
Revision	Modification	Date	Name						
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ02.2.1 V =H01
				Drawn	Herrmann	Siemens Limited (Taipei)		FEEDER	+.B /14
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		=H01+.B-XT	998574-000501 (3) W92210-L1965-S018-A Sheet 14+
				Norm		Orig./Prep.for/Prep.by		Connection table	15 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H01 / V / / / 15

	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
100-103	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 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

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9	Termination A Destination Item designation	Link (1, 2)	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
										Terminal strip -XB11 — JUMPER					
											100	/M7.6	+.F -B11-XB11 :3	-XQ1 :890 D	
											101	/M7.6	+.F -B11-XB11 :2		-XQ1 :892 D
											102	/M7.7	+.F -B11-XB11 :1		
											103	/M7.7	+.F -B11-XB11 :0		

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
FEEDER
=H01+.B-XB11
Connection table

=HZ02.2.1 V =H01 +.B /15
998574-000501 (3) W92210-L1965-S018-A
Sheet 15- 15 Sh.