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
BUS RISER
OUTGOING FEEDER

Typical =HZ25.1

Project reference number

Date of issue 29.04.21

Customer document number

A	change PCMI II	29.04.21	HE
Revision	Modification	Date	Name

SIEMENS AG

Archive: =H11 / A / / / 1

Project: 998574-000501

Documentation identifier A / =H11 / / 1

Manufacturer document number (3) W92210-L1965-U111-A

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H11 / 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:/Hermann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

CopyRight (C) Siemens AG 2021 All Rights Reserved

Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
A	=H11 +H11	/1	(3) W92210-L1965-U111	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER Cover sheet	EM MS O GIS SWF PR OP SEN FFM
A	=H11 +H11	A1	(3) W92210-L1965-L112	1+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H11 +H11	A2	(3) W92210-L1965-L112	2+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H11 +H11	A3	(3) W92210-L1965-L112	3+	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER List of documents	EM MS O GIS SWF PR OP SEN FFM
A	=H11 +H11	A4	(3) W92210-L1965-L112	4-	4	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER List of documents	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	B1	(3) W92210-L1965-S114	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER FEEDER OVERVIEW Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	G1	(3) W92210-L1965-S115	1-	1	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER POWER SUPPLY Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M1	(3) W92210-L1965-S115	1+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER CONTROL, CB. CLOSING/TRIPPING Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M2	(3) W92210-L1965-S115	2+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M3	(3) W92210-L1965-S115	3+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M4	(3) W92210-L1965-S115	4+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M5	(3) W92210-L1965-S115	5+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M6	(3) W92210-L1965-S115	6+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M7	(3) W92210-L1965-S115	7+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM

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
BUS RISER
List of documents

=HZ25.1 A =H11 +H11 A1
998574-000501 (3) W92210-L1965-L112-A
Sheet 1+ 4 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H11 / A / A / 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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
S	=H11 +H11	M8	(3) W92210-L1965-S115	8+	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SIGNAL CONTACT FOR EXTERNAL Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	M9	(3) W92210-L1965-S115	9-	9	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER CONTROL CIRCUIT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	S1	(3) W92210-L1965-S115	1+	2	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER TRANSFORMER CIRCUITS Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	S2	(3) W92210-L1965-S115	2-	2	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER CAPDIS-S1+ Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	Z1	(3) W92210-L1965-S115	1+	7	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER THREE POSITION SWITCH Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	Z2	(3) W92210-L1965-S115	2+	7	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER THREE POSITION SWITCH Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	Z3	(3) W92210-L1965-S115	3+	7	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER PROTECTION DEVICE Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	Z4	(3) W92210-L1965-S115	4+	7	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	Z5	(3) W92210-L1965-S115	5+	7	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	Z6	(3) W92210-L1965-S115	6+	7	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
S	=H11 +H11	Z7	(3) W92210-L1965-S115	7-	7	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER SECONDARY EQUIPMENT Circuit diagram	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/1	(3) W92210-L1965-S118	1+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XR1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/2	(3) W92210-L1965-S118	2+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XT1 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/3	(3) W92210-L1965-S118	3+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XC30 Connection table	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)
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
BUS RISER

List of documents

=HZ25.1 | A | =H11 | +H11 | A2

998574-000501 | (3) W92210-L1965-L112-A | Sheet 2+ | 4 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H11 / A / A / 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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
V	=H11 +.B	/4	(3) W92210-L1965-S118	4+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/5	(3) W92210-L1965-S118	5+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XC30 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/6	(3) W92210-L1965-S118	6+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XQ10 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/7	(3) W92210-L1965-S118	7+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XQ10 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/8	(3) W92210-L1965-S118	8+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XPE Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/9	(3) W92210-L1965-S118	9+	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XT15 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H11 +.B	/10	(3) W92210-L1965-S118	10-	10	07.04.2021	8DA10 SWITCHGEAR 33,0 kV BUS RISER +.B-XT Connection table	EM MS O GIS SWF PR OP SEN FFM

Designation			Manufacturer document number Customer document number	Sheet	Sheets	Date	Description	Prepared by
V	=H01 +.B	/10	(3) W92210-L1965-S018	10+	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XQ01 Connection table	EM MS O GIS SWF PR OP SEN FFM
V	=H01 +.B	/11	(3) W92210-L1965-S018	11-	11	07.04.2021	8DA10 SWITCHGEAR 33,0 kV FEEDER +.B-XPE Connection table	EM MS O GIS SWF PR OP SEN FFM

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBINH2
Archive: =H11 / A / A / 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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	A	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION			998574-000501	(3) W92210-L1965-L112-A		A4
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		List of documents				Sheet 4-4 Sh.

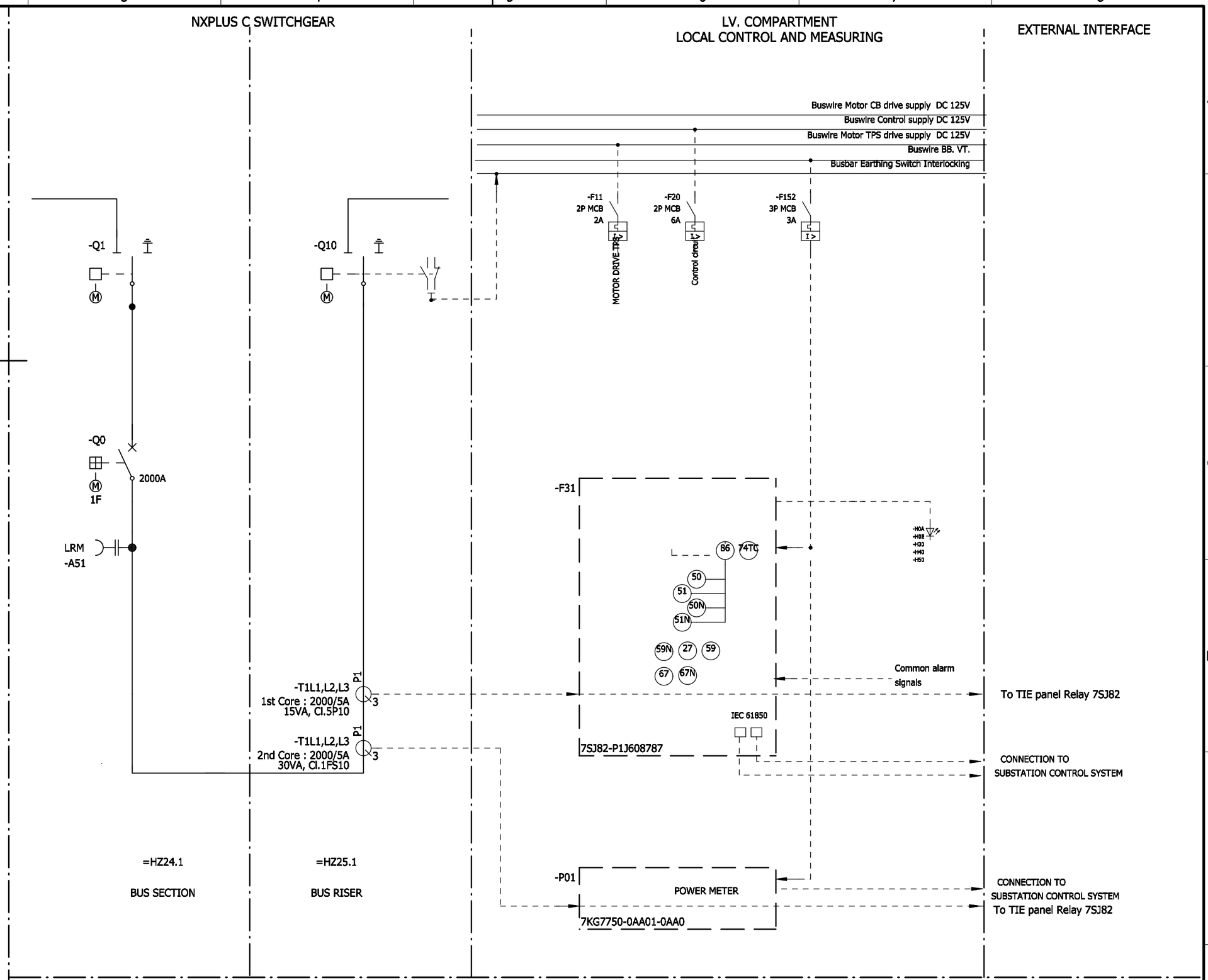
Remark :
Drawings will be applied for panel

1) H11 Bus Riser

2) H29 Bus Riser

Legend

-Q1 Motorized Operated 3 Position Switch
-T1 Current Transformer



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

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / B / 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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

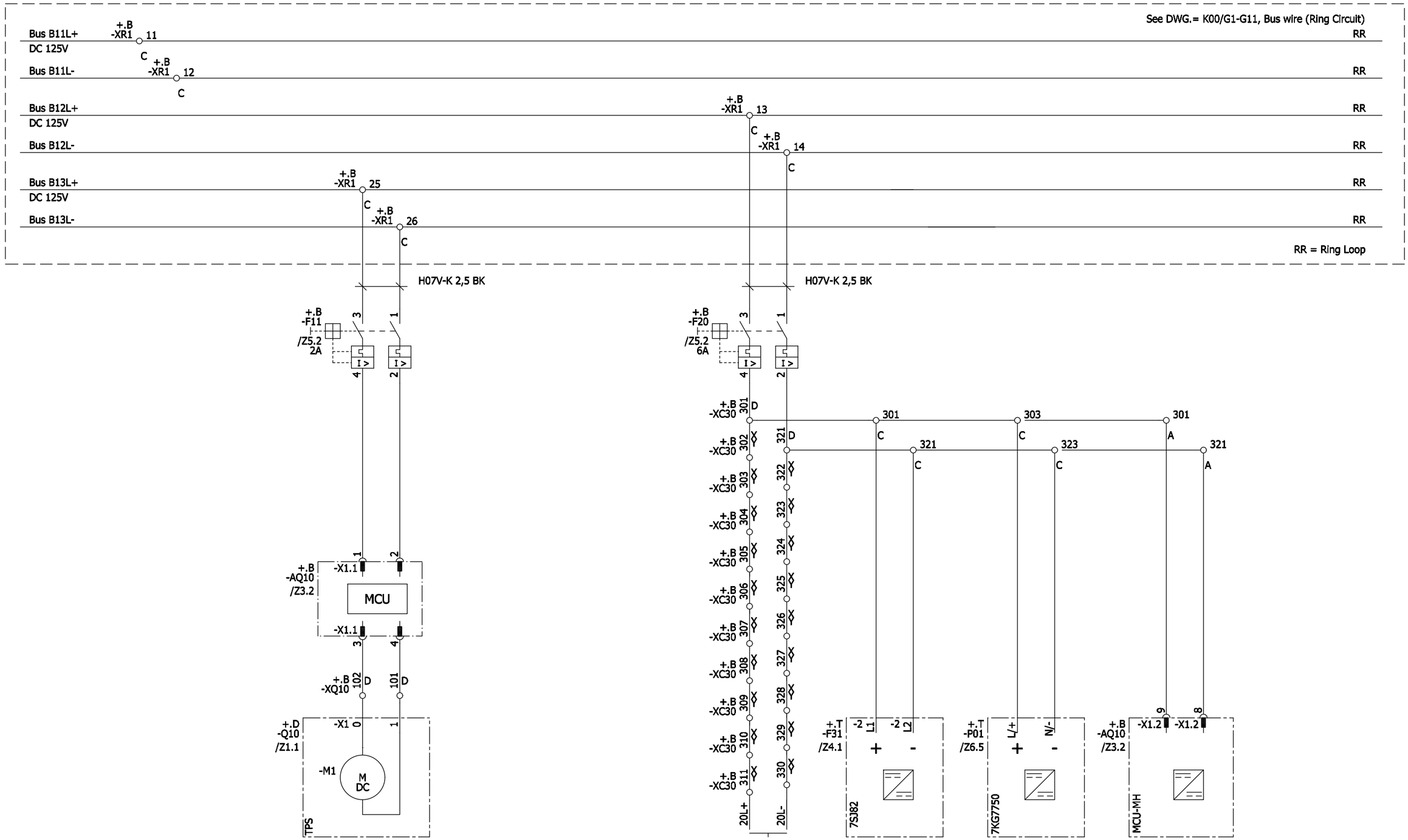
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ25.1	S	=H11	
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER			+H11	B1
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		FEEDER OVERVIEW	998574-000501	(3) W92210-L1965-S114-A		Sheet 1-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				1 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / G / 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:
CopyRight (C) Siemens AG 2021 All Rights Reserved

LV COMPARTMENT

DC POWER SUPPLY VOLTAGE FOR

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



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

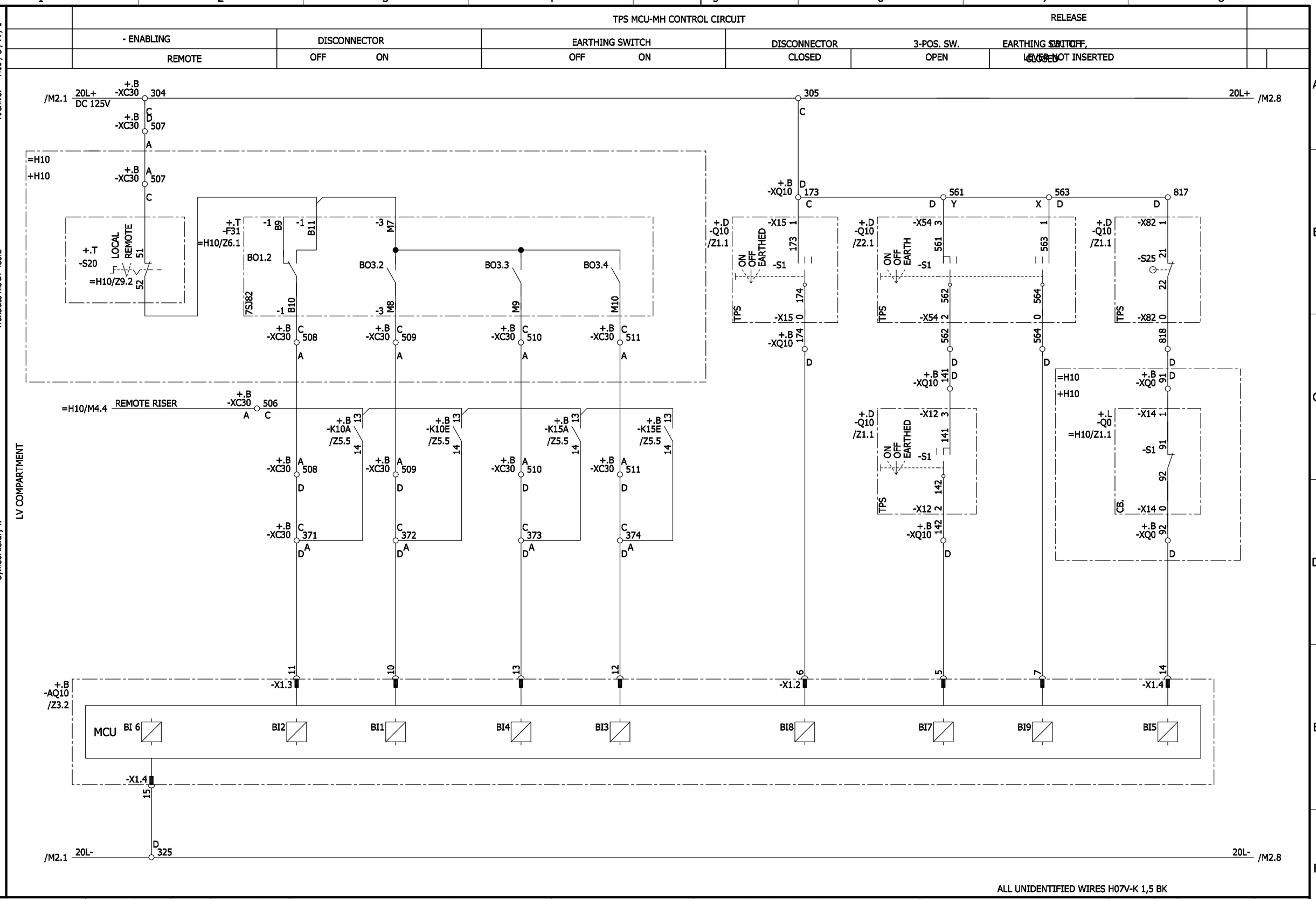
Revision	Modification	Date	Name				
				Date	07.04.2021	Vena new energy company / TW	Siemens AG
				Drawn	Herrmann	Siemens Limited (Taipei)	
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION	
				Norm		Orig./Prep.for/Prep.by	

8DA10 SWITCHGEAR 33,0 kV
BUS RISER
POWER SUPPLY
Circuit diagram

=HZ25.1 S =H11 +H11 G1

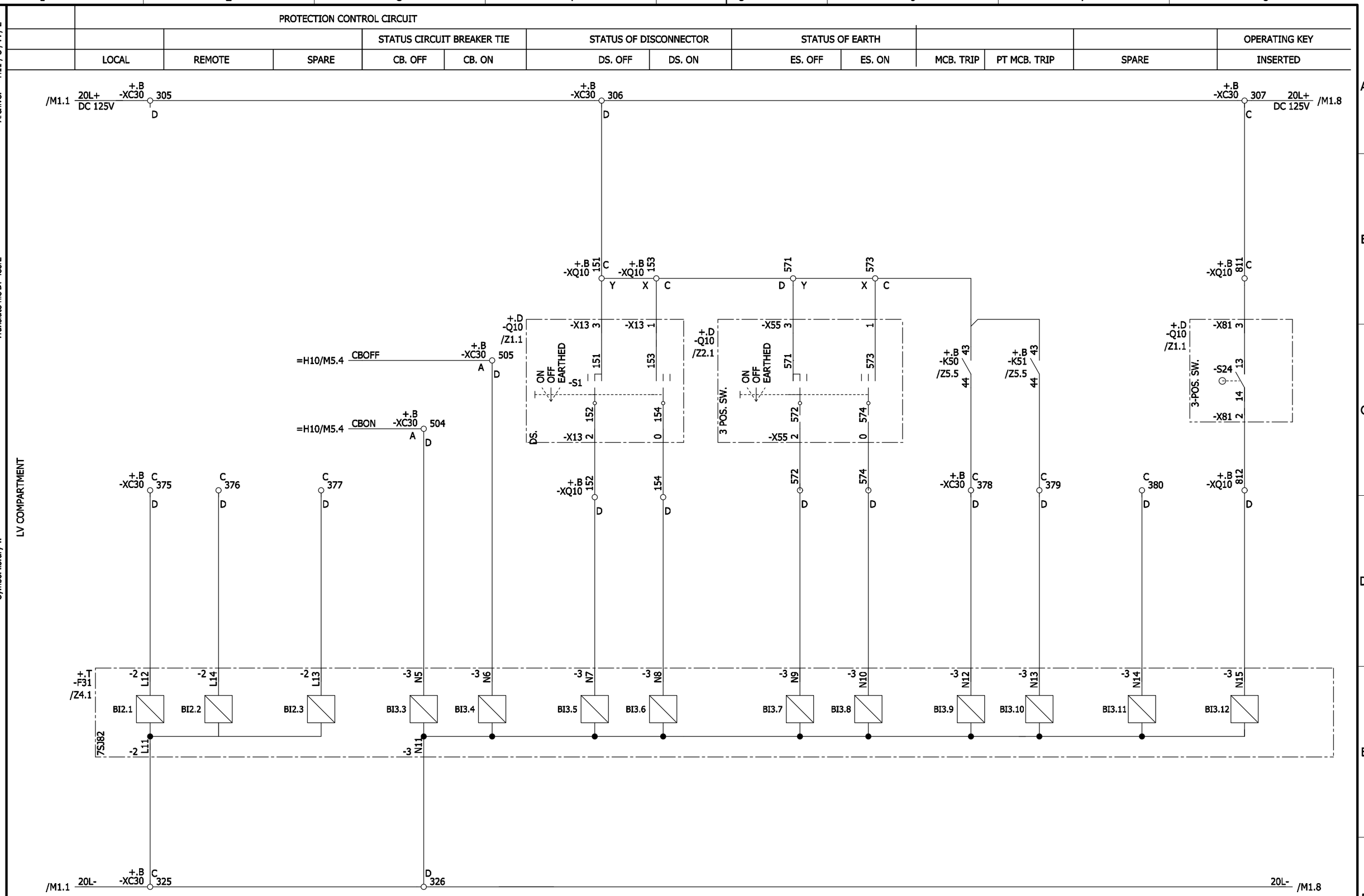
998574-000501 (3) W92210-L1965-S115-A

Sheet 1- 1 Sh.



				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL, CB. CLOSING/TRIPPING	998574-000501	(3) W92210-L1965-S115-A		M1
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				Sheet 1+ 8 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / M / 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 library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:
CopyRight (C) Siemens AG 2021 All Rights Reserved



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT				M2
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A		Sheet 2+ 8 Sh.

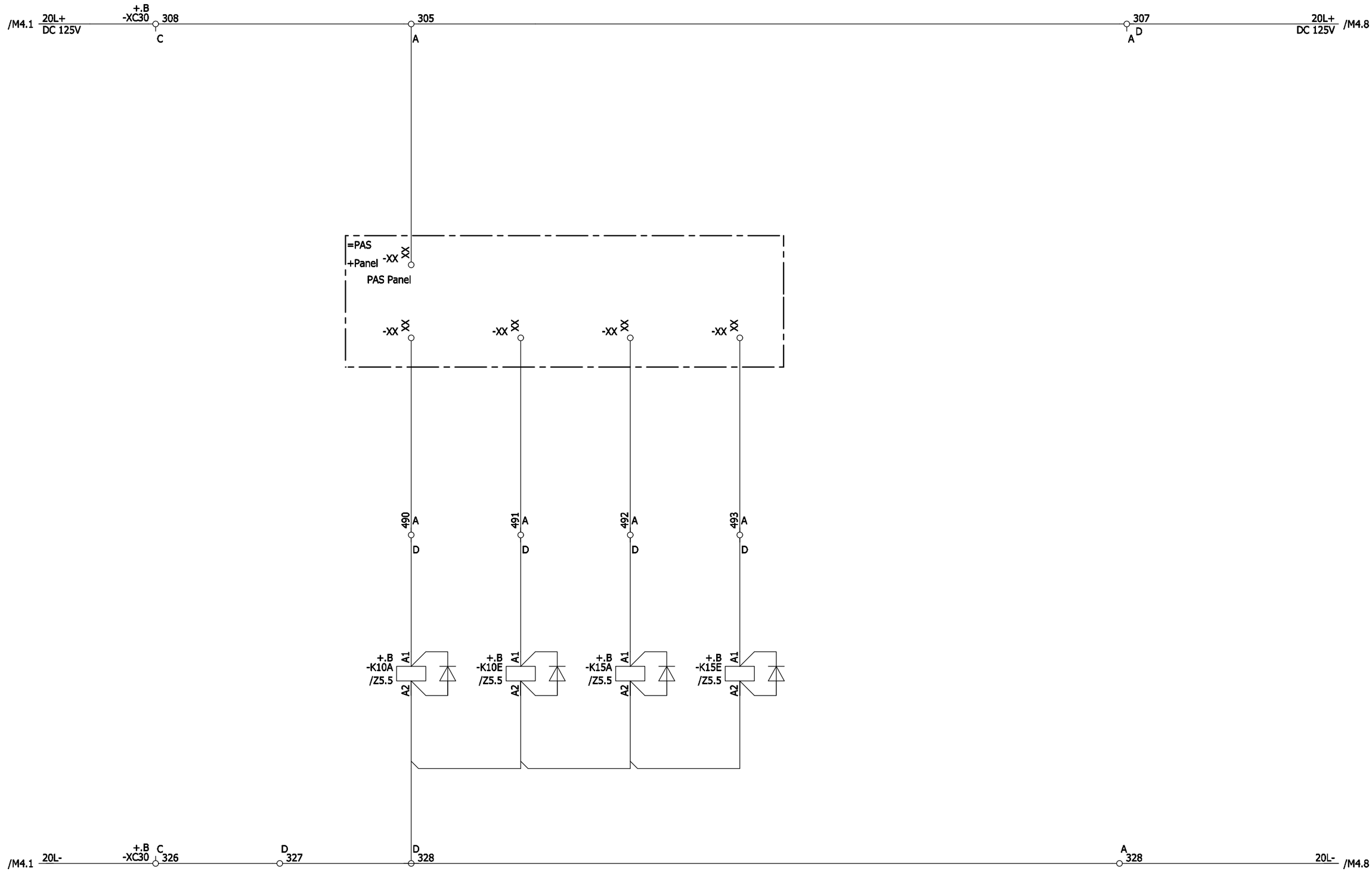
CopyRight (C) Siemens AG 2021 All Rights Reserved

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / M / 3
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

LV COMPARTMENT

TPS PAS CONTROL

DISCONNECTOR		EARTHING SWITCH	
OFF	ON	OFF	ON



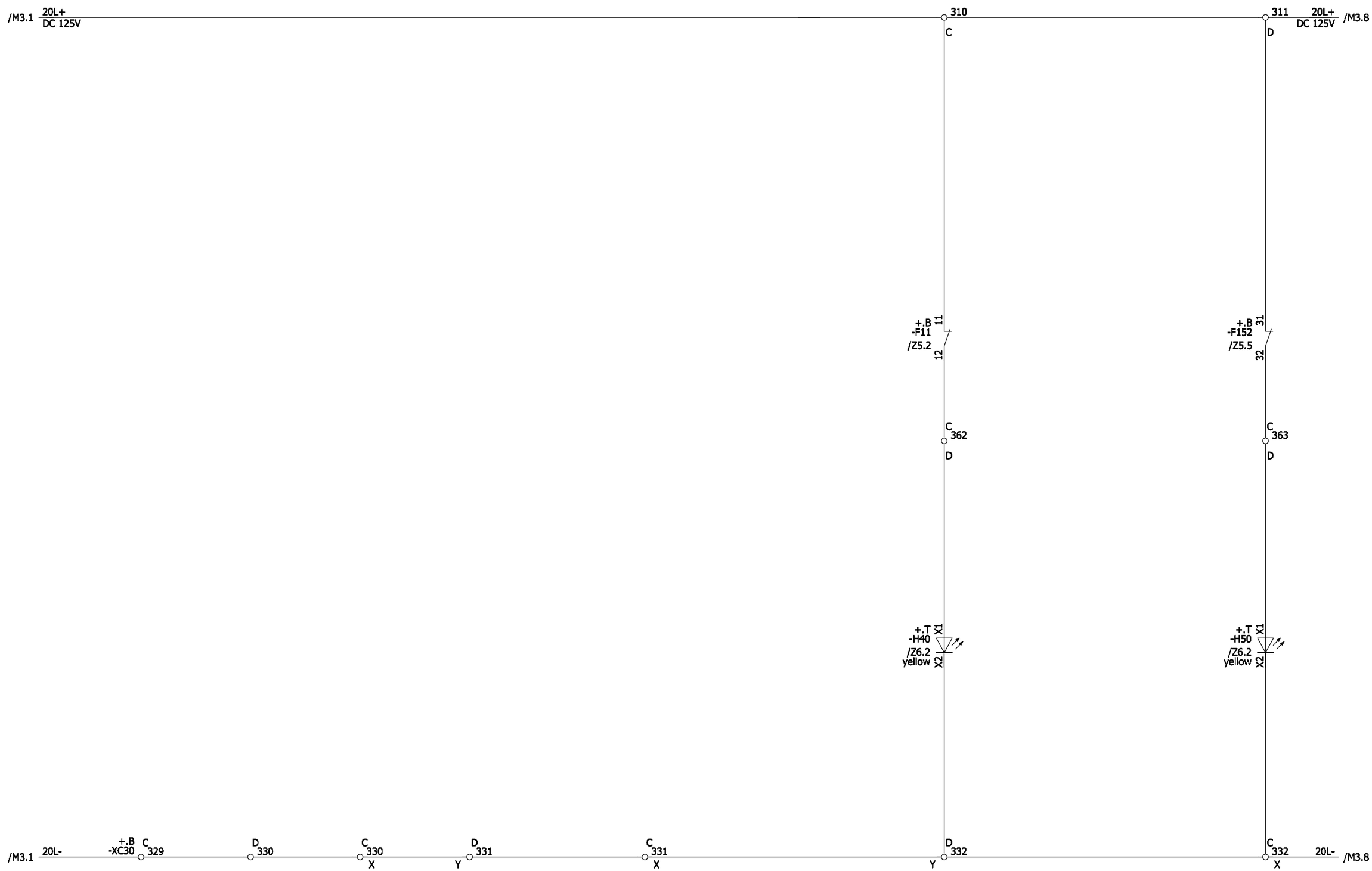
ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT				M3
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A		Sheet 3+ 8 Sh.

POSITION INDICATION CONTROL CIRCUIT

MCB OFF/ TRIP INDICATOR

TPSMOTOR DRIVE | PT MCB



LV COMPARTMENT

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / M / 4

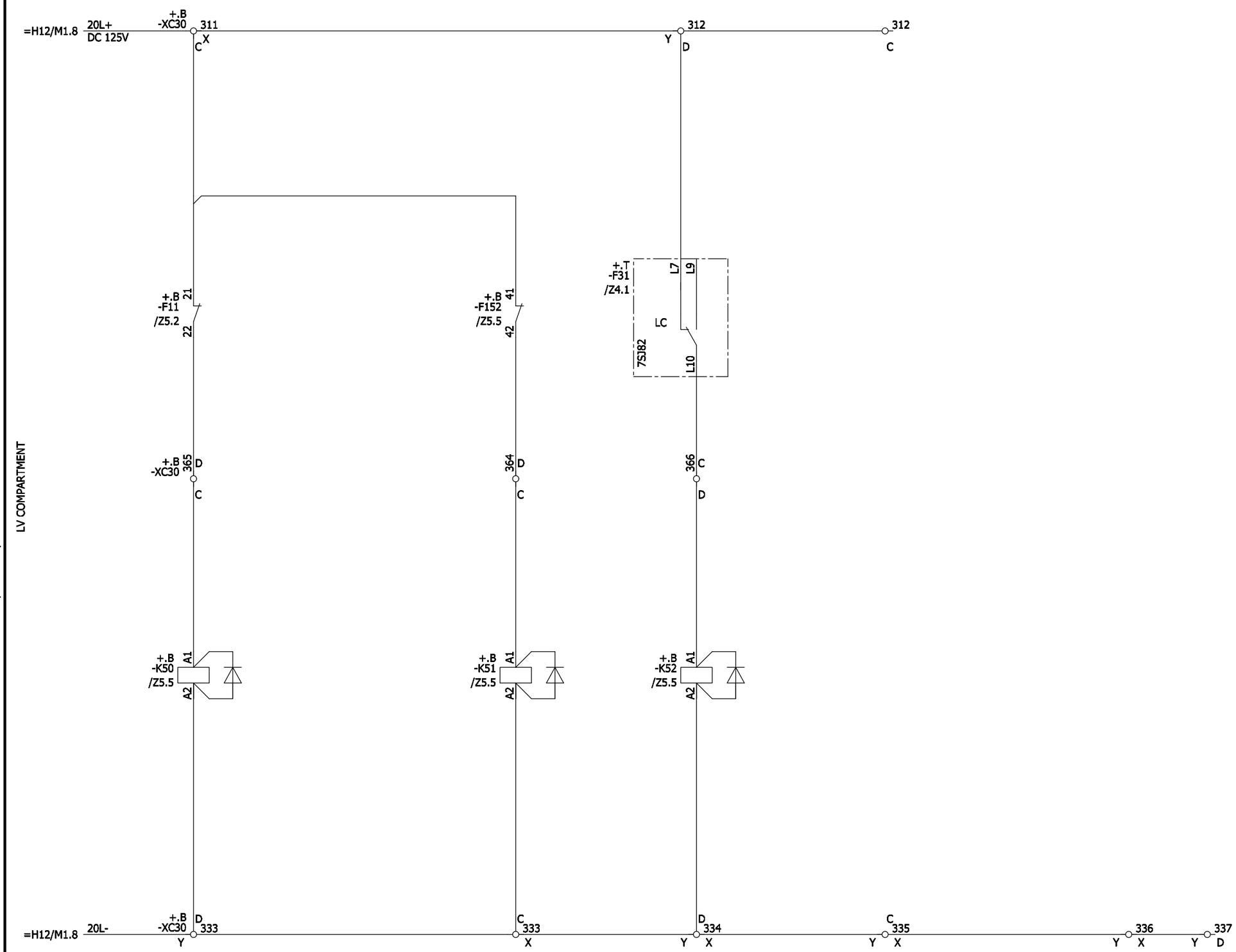
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

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

CopyRight (C) Siemens AG 2021 All Rights Reserved

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT				M4
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A		Sheet 4+ 8 Sh.

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



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

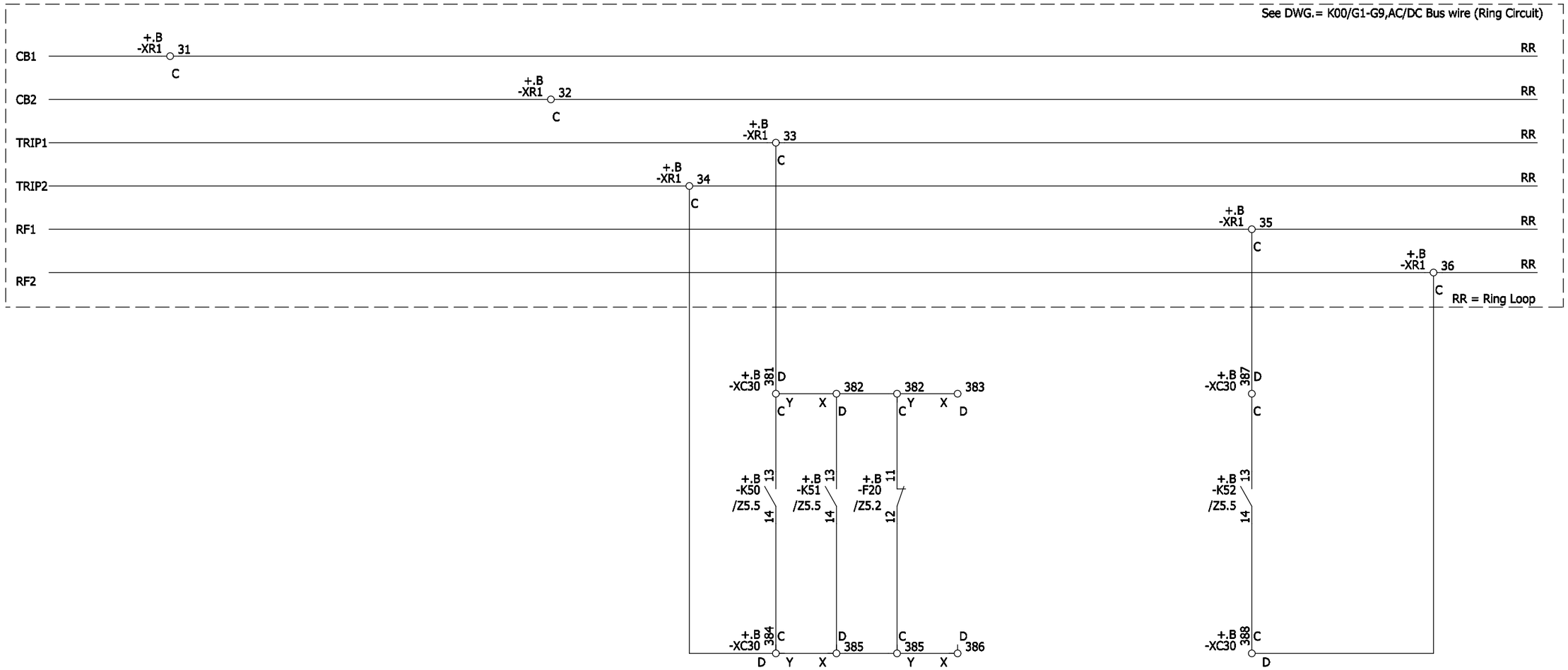
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL				
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A		

M5
Sheet 5+
8 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / M / 5
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2
Project: C:/Herrmann/998574-000501.pro
Symbol library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

CopyRight (C) Siemens AG 2021 All Rights Reserved

SIGNAL CONTACT FOR BUS WIRE							
LOCKOUT RELAY				MCB OFF / TRIP	PROTECTION RELAY		
	50/51/50N/51N TRIP				LIVE STATUS CONTACTS		



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

LV COMPARTMENT

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / M / 6

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

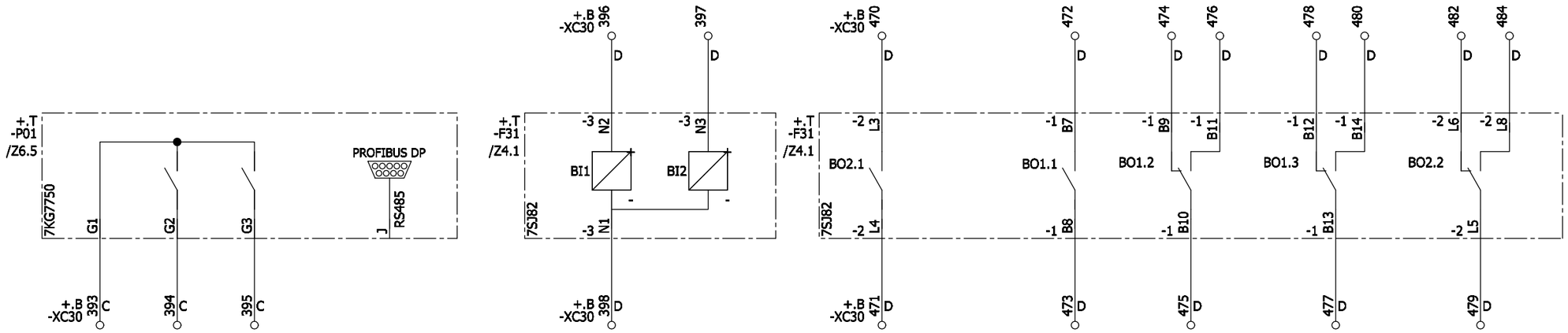
Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

CopyRight (C) Siemens AG 2021 All Rights Reserved

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV			
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER	=HZ25.1	S	=H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL			+H11
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A	

M6
Sheet 6+
8 Sh.

	SIGNAL CONTACT FOR EXTERNAL									
	POWER METER		BINARY INPUT							
	COMMUNICATION INTERFACE			SPARE	SPARE			SPARE		



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SIGNAL CONTACT FOR EXTERNAL				
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A		

M7
Sheet 7+
8 Sh.

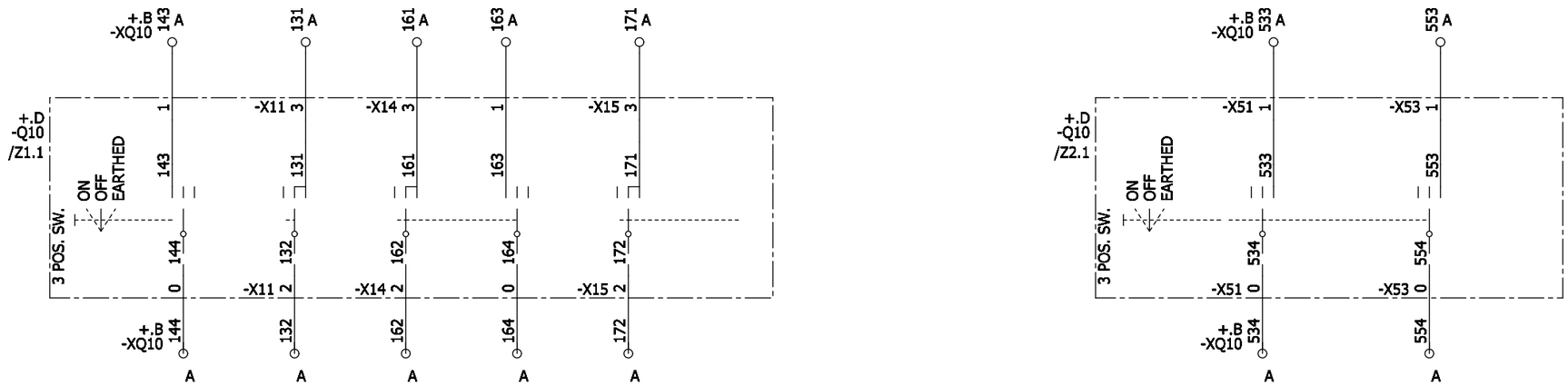
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / M / 7

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

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

CopyRight (C) Siemens AG 2021 All Rights Reserved

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



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CONTROL CIRCUIT	998574-000501	(3) W92210-L1965-S115-A		
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				

M8
Sheet 8-
8 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / M / 8

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

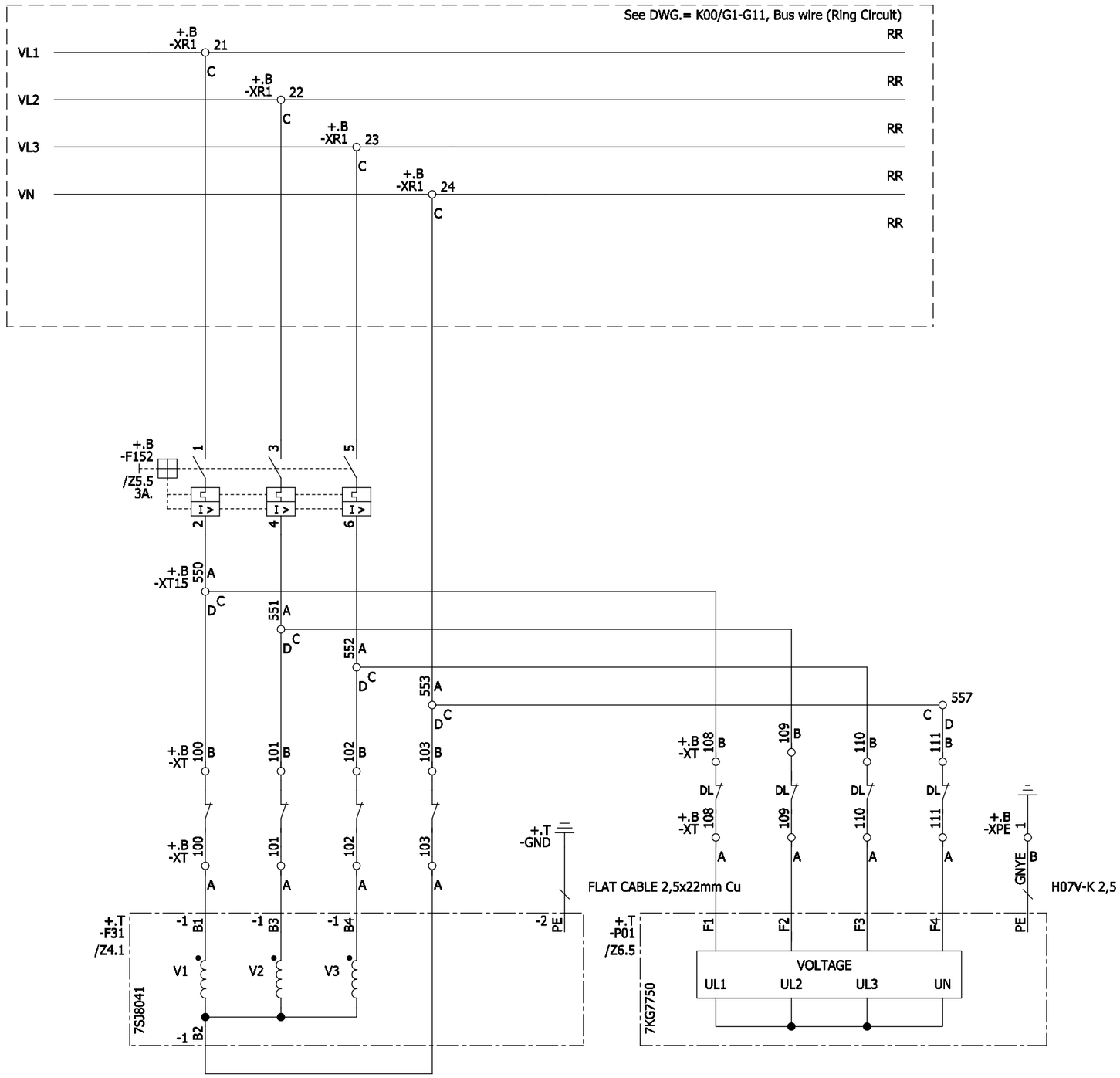
Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_CoC_E
Symbol library 3:
Symbol library 4:

CopyRight (C) Siemens AG 2021 All Rights Reserved

SECONDARY WINDING OF BUSBAR VOLTAGE TRAFO

FROM AC. BUSWIRE VOLTAGE (INCOMING FEEDER)

FOR METERING



ALL UNIDENTIFIED WIRES H07V-K 2,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		TRANSFORMER CIRCUITS				S1
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A		Sheet 1+ 2 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / 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 library1: PTD60617
Symbol library2: PTD_M2_CoC_E
Symbol library3:
Symbol library4:

CopyRight (C) Siemens AG 2021 All Rights Reserved

CopyRight (C) Siemens AG 2021 All Rights Reserved

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

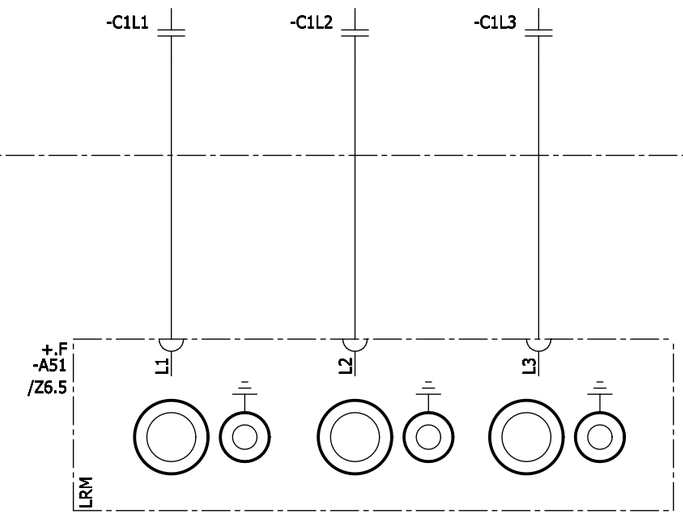
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

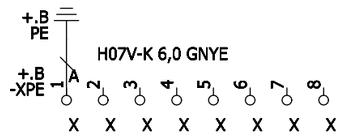
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / S / 2

HV COMPARTMENT

LV COMPARTMENT

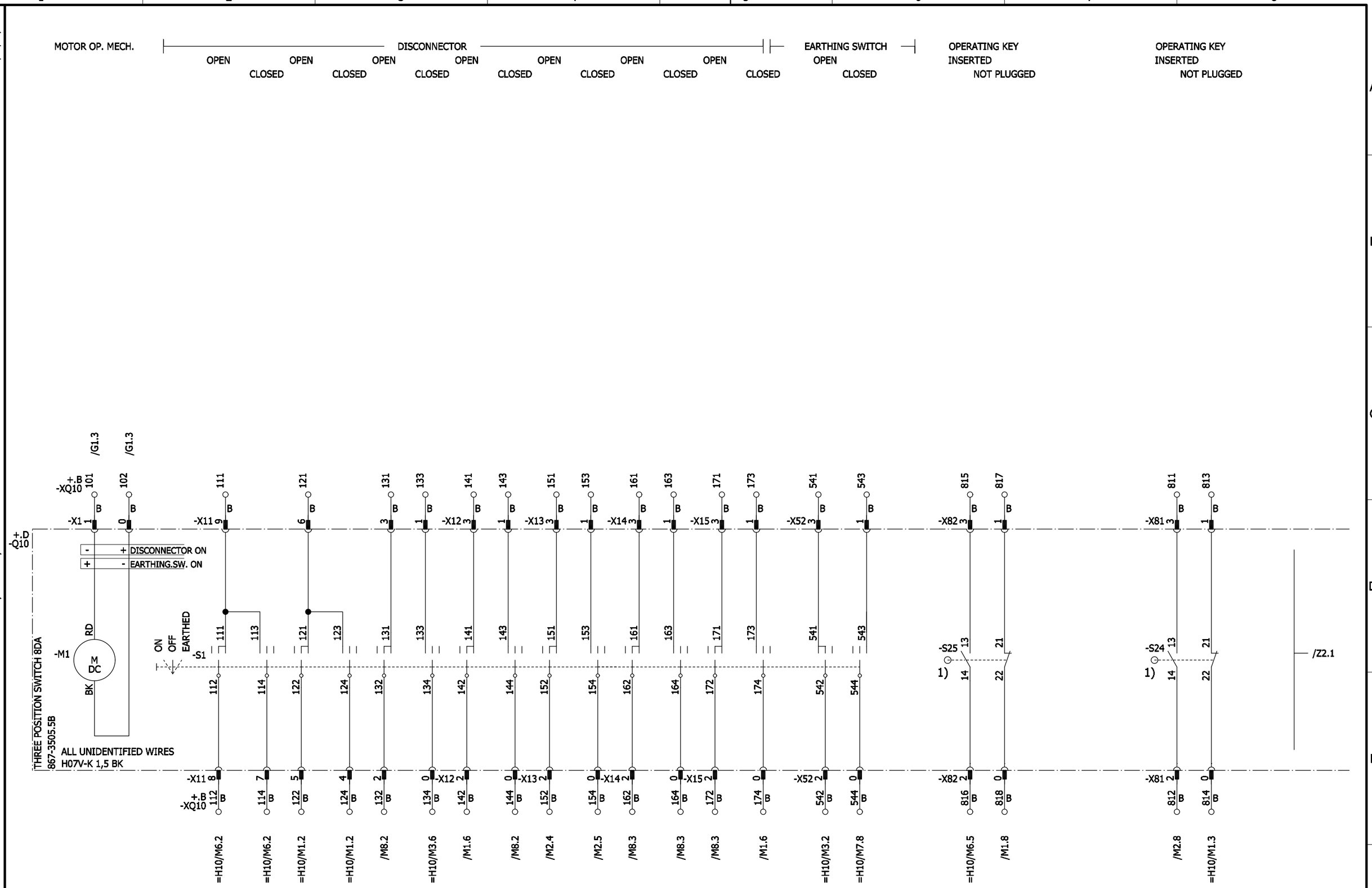
CAP. VOLTAGE TAP





ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11	
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11	S2
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		CAPDIS-S1+	998574-000501	(3) W92210-L1965-S115-A			Sheet 2-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					2 Sh.



1) SHOWN WITH LEVER NOT INSERTED

ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / Z / 1

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

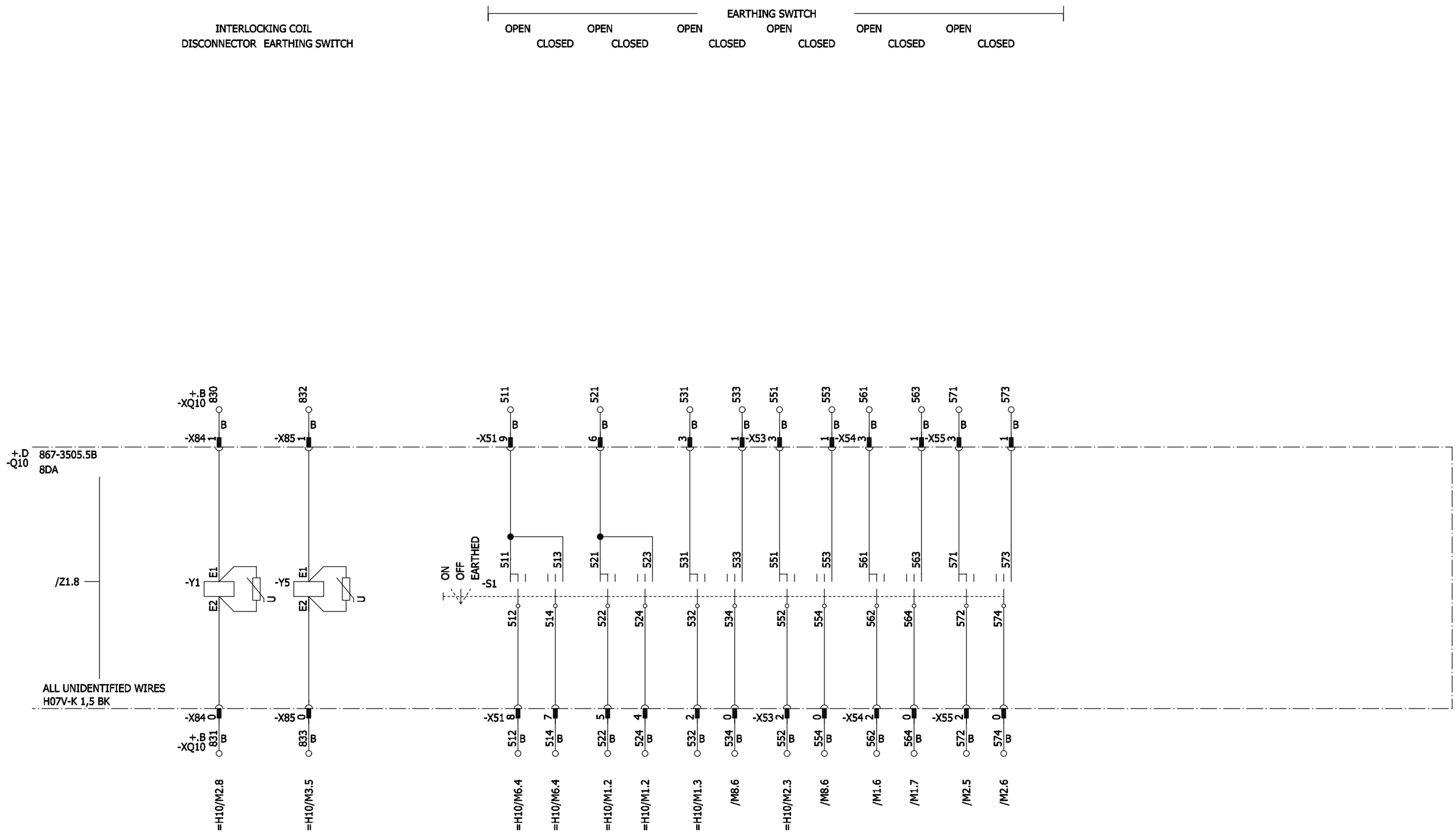
Project: C:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

CopyRight (C) Siemens AG 2021 All Rights Reserved

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
BUS RISER
THREE POSITION SWITCH
Circuit diagram

=HZ25.1	S	=H11	
		+H11	Z1
998574-000501	(3) W92210-L1965-S115-A		Sheet 1+ 6 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

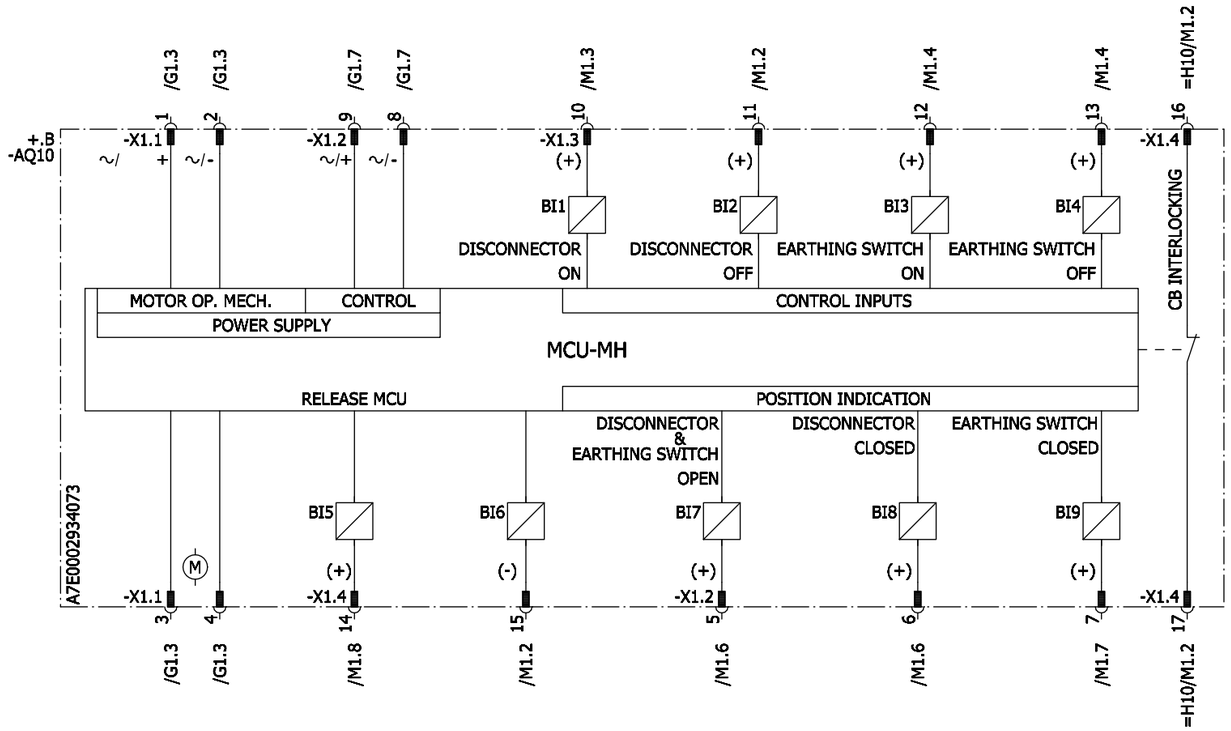
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / Z / 2

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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		THREE POSITION SWITCH				Z2
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram	998574-000501	(3) W92210-L1965-S115-A		Sheet 2+ 6 Sh.



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

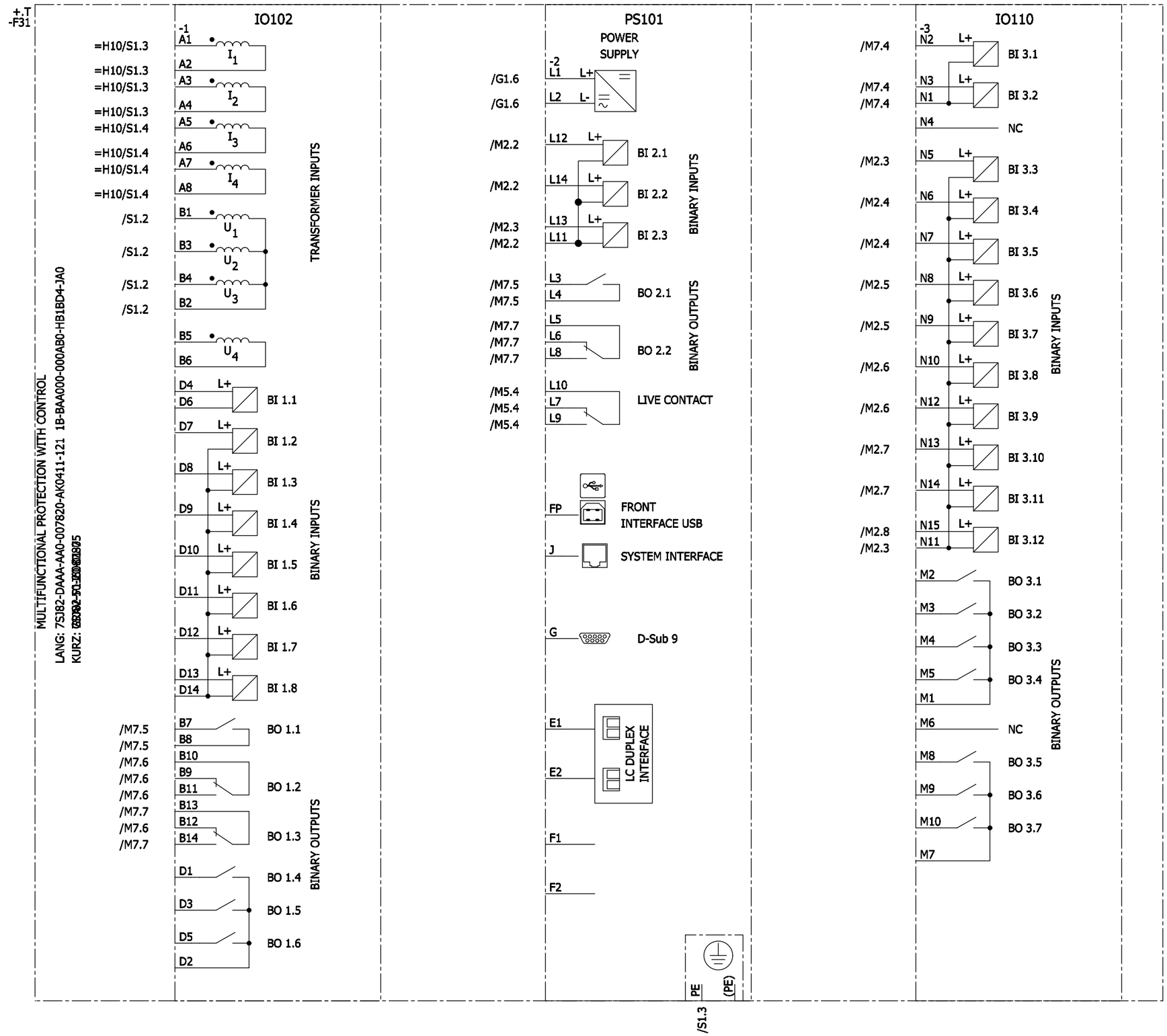
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		PROTECTION DEVICE	998574-000501	(3) W92210-L1965-S115-A		Z3
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				Sheet 3+ 6 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / 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:

CopyRight (C) Siemens AG 2021 All Rights Reserved



ALL UNIDENTIFIED WIRES H07V-K 1,5 BK

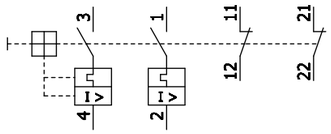
				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV		=HZ25.1	S	=H11	
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER				+H11	Z4
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501	(3) W92210-L1965-S115-A			Sheet 4+
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram					6 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBSTP2
Archive: =H11 / S / Z / 4

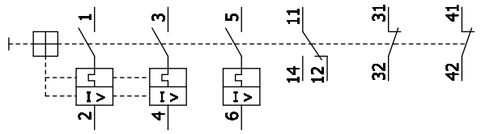
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

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

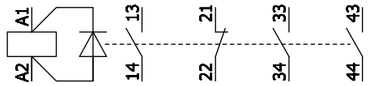
CopyRight (C) Siemens AG 2021 All Rights Reserved



	5SY5206-7 +.B 2-pol, C 6A -F20 5ST3012 2NC CONTROL/PROTECTION	/G1.5	/G1.5	/M6.5	
	5SY5202-7 +.B 2-pol, C 2A -F11 5ST3012 2NC TPS. MOTOR DRIVE	/G1.3	/G1.3	/M4.6	/M5.2



	3RV1611-1DG14 +.B 3RV2901-1C -F152 3A PROTECTION/METERING	/S1.2	/S1.2	/S1.2		/M4.8	/M5.3



	3RH2131-1BG40 +.B 3RT2916-1DG00 -K50 125V DC MCB. TRIP	/M5.2	/M6.5			/M2.6
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K51 125V DC VT MCB. TRIP	/M5.3	/M6.5			/M2.7
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K52 125V DC LIVE STATUS CONTACTS	/M5.4	/M6.7			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K10A 125V DC SF6-GAS ALARM "LOW"	/M3.3	/M1.3			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K10E 125V DC SF6-GAS ALARM "LOW"	/M3.4	/M1.3			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K15A 125V DC SF6-GAS ALARM "LOW"	/M3.4	/M1.4			
	3RH2131-1BG40 +.B 3RT2916-1DG00 -K15E 125V DC SF6-GAS ALARM "LOW"	/M3.5	/M1.5			

CopyRight (C) Siemens AG 2021 All Rights Reserved

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: =H11 / S / Z / 5

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
BUS RISER
SECONDARY EQUIPMENT
Circuit diagram

=HZ25.1 | S | =H11 | +H11 | Z5

998574-000501 | (3) W92210-L1965-S115-A | Sheet 5+ 6 Sh.

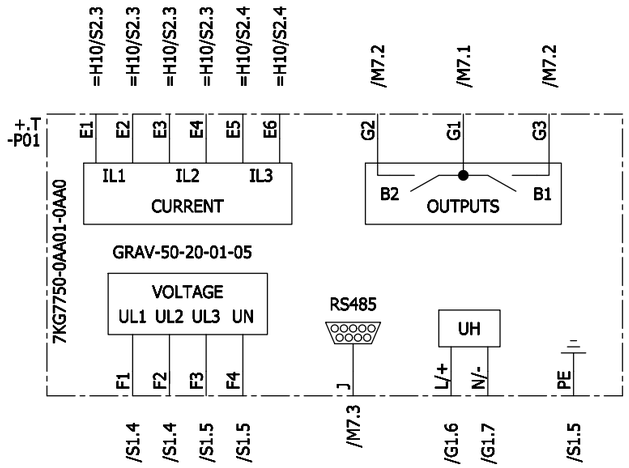
CopyRight (C) Siemens AG 2021 All Rights Reserved

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

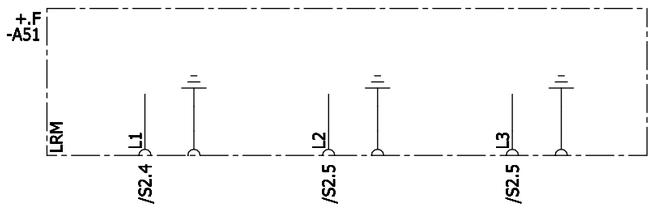
Archive: =H11 / S / Z / 6



1S1 1S2 2S1 2S2

	4MC4_30	=H10/S1.3	=H10/S2.3
+.F	1st Core= 2000/5A; 15VA Cl. 5P20		
-T1L1	2nd Core= 2000/5A; 30VA Cl. 1FS10		
	4MC4_30	=H10/S1.3	=H10/S2.3
+.F	1st Core= 2000/5A; 15VA Cl. 5P20		
-T1L2	2nd Core= 2000/5A; 30VA Cl. 1FS10		
	4MC4_30	=H10/S1.4	=H10/S2.4
+.F	1st Core= 2000/5A; 15VA Cl. 5P20		
-T1L3	2nd Core= 2000/5A; 30VA Cl. 1FS10		

	3SU1001-6AA30-0AA0	/M4.6	DC. MCB TRIP
+.T	ILLUMINATION yellow		
-H40	3SU1401-1BH30-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		
	3SU1001-6AA30-0AA0	/M4.8	PT. MCB TRIP
+.T	ILLUMINATION yellow		
-H50	3SU1401-1BH30-1AA0		
	3SU1900-0AG10-0AA0		
	3SU1500-0AA10-0AA0		
	PRINT-3SU-27-12-01-04		



				Date	07.04.2021	Vena new energy company / TW	Siemens AG	8DA10 SWITCHGEAR 33,0 kV	=HZ25.1	S	=H11	
				Drawn	Herrmann	Siemens Limited (Taipei)		BUS RISER			+H11	Z6
A	change PCMI II	29.04.21	HE	Appr.	Jacobi	33KV MAIN SUBSTATION		SECONDARY EQUIPMENT	998574-000501	(3) W92210-L1965-S115-A		Sheet 6-
Revision	Modification	Date	Name	Norm		Orig./Prep.for/Prep.by		Circuit diagram				6 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-13
Archive: =H11 / V / / / 1

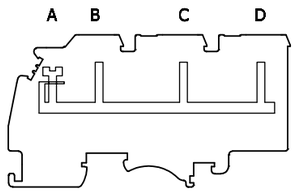
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

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

CopyRight (C) Siemens AG 2021 All Rights Reserved

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

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



Cable connection to termination

A B C D

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

No. of Terminals (in total) : 23

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
			-XR1			
=H10 +.B -XR2 :13 A	○	11	=H00/G2.6			
=H10 +.B -XR2 :14 A	○	12	=H00/G2.6			
	○	13	=H00/G2.6	=H10 +.B -XR1 :13 D	-F20 :3	=H12 +.B -XR1 :13 B
	○	14	=H00/G2.6	=H10 +.B -XR1 :14 D	-F20 :1	=H12 +.B -XR1 :14 B
	○	15	=H00/G2.6	=H10 +.B -XR1 :15 D		=H12 +.B -XR1 :15 B
	○	16	=H00/G2.6	=H10 +.B -XR1 :16 D		=H12 +.B -XR1 :16 B
	○	21	=H00/G2.6	=H10 +.B -XR1 :21 D	-F152 :1	=H12 +.B -XR1 :21 B
	○	22	=H00/G2.6	=H10 +.B -XR1 :22 D	-F152 :3	=H12 +.B -XR1 :22 B
	○	23	=H00/G2.6	=H10 +.B -XR1 :23 D	-F152 :5	=H12 +.B -XR1 :23 B
	○	24	=H00/G2.6	=H10 +.B -XR1 :24 D	-XT15 :553 A	=H12 +.B -XR1 :24 B
	○	25	=H00/G2.6	=H10 +.B -XR1 :25 D	-F11 :3	=H12 +.B -XR1 :25 B
	○	26	=H00/G2.6	=H10 +.B -XR1 :26 D	-F11 :1	=H12 +.B -XR1 :26 B
	○	31	=H00/G2.6	=H10 +.B -XR1 :31 D		=H12 +.B -XR1 :31 B
	○	32	=H00/G2.6	=H10 +.B -XR1 :32 D		=H12 +.B -XR1 :32 B
	○	33	=H00/G2.6	=H10 +.B -XR1 :33 D	-XC30 :381 D	=H12 +.B -XR1 :33 B
	○	34	=H00/G2.6	=H10 +.B -XR1 :34 D	-XC30 :384 D	=H12 +.B -XR1 :34 B
	○	35	=H00/G2.6	=H10 +.B -XR1 :35 D	-XC30 :387 D	=H12 +.B -XR1 :35 B
	○	36	=H00/G2.6	=H10 +.B -XR1 :36 D	-XC30 :388 D	=H12 +.B -XR1 :36 B
	○	41	=H00/G8.5	=H10 +.B -XR1 :41 D	-XQ10 :541 D	=H12 +.B -XR1 :41 B
=H10 +.B -XR1 :43 A	○	42	=H00/G8.5			=H12 +.B -XR1 :42 B
=H10 +.B -XR1 :42 A	○	43	=H00/G8.5		-XQ10 :542 D	
	○	45	=H00/G8.6		-XQ10 :133 D	=H12 +.B -XR1 :44 B
	○	46	=H00/G8.5	=H10 +.B -XR1 :46 D		=H12 +.B -XR1 :46 B

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

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
BUS RISER
=H11+.B-XR1
Connection table

=HZ25.1 V =H11 +.B /1

998574-000501 (3) W92210-L1965-S118-A

Sheet 1+ 10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11_I
Archive: =H11 / 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:/Herrmann/998574-000501.pro
Symbol library 1: PTD60617
Symbol library 2: PTD_M2_Coc_E
Symbol library 3:
Symbol library 4:

CopyRight (C) Siemens AG 2021 All Rights Reserved

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

1 2 3 2 1

1) Test socket
2) Jumper
3) Disconnecting link

Cable connection to termination A B

Terminal	Terminal block type	Wire type
111-233	URTK/SP	
110PE,210PE	URTKD/SP	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 22

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

Termination A Destination Item designation				Terminal strip -XT1 Link				Term.-no.	Cross-ref.		Termination B Destination Item designation		
		-XPE	:2 B					110PE	=H10/S1.4				
	+.F	-T1L1	:1S2					111	=H10/S1.3		+.T	-F31-1	:A7
	+.F	-T1L1	:1S1					112	=H10/S1.3		+.T	-F31-1	:A1
=H10	+.B	-XT1	:112 A					113	=H10/S1.3	GY	+.T	-F31-1	:A2
=H10	+.B	-XT1	:111 A					114	=H10/S1.4	GY	+.T	-F31-1	:A8
	+.F	-T1L2	:1S2					121	=H10/S1.3				
	+.F	-T1L2	:1S1					122	=H10/S1.3		+.T	-F31-1	:A3
=H10	+.B	-XT1	:122 A					123	=H10/S1.3	GY	+.T	-F31-1	:A4
	+.F	-T1L3	:1S2					131	=H10/S1.4				
	+.F	-T1L3	:1S1					132	=H10/S1.4		+.T	-F31-1	:A5
=H10	+.B	-XT1	:132 A	XX				133	=H10/S1.4	GY	+.T	-F31-1	:A6
		-XPE	:3 B					210PE	=H10/S2.5				
	+.F	-T1L1	:2S2					211	=H10/S2.3			-XT1	:214 B
	+.F	-T1L1	:2S1					212	=H10/S2.3		+.T	-P01	:E1
=H10	+.B	-XT1	:213 A					213	=H10/S2.3	GY	+.T	-P01	:E2
=H10	+.B	-XT1	:214 A					214	=H10/S2.5	GY		-XT1	:211 B
	+.F	-T1L2	:2S2					221	=H10/S2.3				
	+.F	-T1L2	:2S1					222	=H10/S2.3		+.T	-P01	:E3
=H10	+.B	-XT1	:223 A					223	=H10/S2.3	GY	+.T	-P01	:E4
	+.F	-T1L3	:2S2					231	=H10/S2.4				
	+.F	-T1L3	:2S1	XX				232	=H10/S2.4		+.T	-P01	:E5
=H10	+.B	-XT1	:233 A					233	=H10/S2.4	GY	+.T	-P01	:E6

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	
				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
BUS RISER
=H11+.B-XT1
Connection table

=HZ25.1 V =H11 +.B /2

998574-000501 (3) W92210-L1965-S118-A

Sheet 2+ 10 Sh.

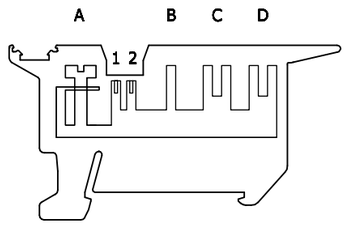
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H11 / V / / / 3

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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

	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
301-517	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 93

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					
-AQ10-X1.2 :9		301	/G1.5		+.T -F31-2 :L1	-F20 :4
		302	/G1.5			
		303	/G1.5		+.T -P01 :L/+	
		304	/G1.5		-XC30 :507 D	
=PAS +Panel -XX :XX		305	/G1.5		-XQ10 :173 D	
		306	/G1.5			-XQ10 :151 C
		307	/G1.5		-XQ10 :811 C	
		308	/G1.5			
		309	/G1.5			
		310	/G1.5		-F11 :11	
		311	/G1.5		-F11 :21	-F40 :31
		312	/M5.4			+.T -F31-2 :L7
-AQ10-X1.2 :8		321	/G1.5		+.T -F31-2 :L2	-F20 :2
		322	/G1.5			
		323	/G1.5		+.T -P01 :N/-	
		324	/G1.5			
		325	/G1.5		+.T -F31-2 :L11	-AQ10-X1.4 :15
		326	/G1.5			+.T -F31-3 :N11
		327	/G1.5			
		328	/G1.5			-K10A :A2
		329	/G1.5			
		330	/G1.5			
		331	/M4.3			
		332	/M4.6		+.T -H50 :X2	+.T -H40 :X2
		333	/M5.2		-K51 :A2	-K50 :A2
		334	/M5.4			-K52 :A2
		335	/M5.5			
		336	/M5.6			
		337	/M5.7			
		362	/M4.6		-F11 :12	+.T -H40 :X1
		363	/M4.8		-F40 :32	+.T -H50 :X1
		364	/M5.3		-K51 :A1	-F152 :42
		365	/M5.2		-K50 :A1	-F11 :22
		366	/M5.4		+.T -F31-2 :L10	-K52 :A1
-K10A :14		371	/M1.2		-XC30 :508 D	-AQ10-X1.3 :11
-K10E :14		372	/M1.3		-XC30 :509 D	-AQ10-X1.3 :10
-K15A :14		373	/M1.4		-XC30 :510 D	-AQ10-X1.3 :13
-K15E :14		374	/M1.4		-XC30 :511 D	-AQ10-X1.3 :12
		375	/M2.2			+.T -F31-2 :L12
		376	/M2.2			+.T -F31-2 :L14

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

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

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

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
BUS RISER
=H11+.B-XC30
Connection table

=HZ25.1 V =H11 +.B /3

998574-000501 (3) W92210-L1965-S118-A

Sheet 3+ 10 Sh.

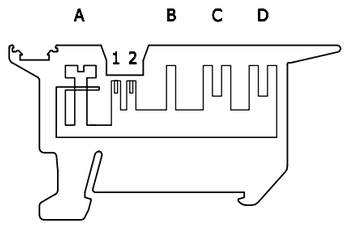
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H11 / V / / / 4

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

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

CopyRight (C) Siemens AG 2021 All Rights Reserved

	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
301-517	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 93

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					
		377	/M2.3			+.T -F31-2 :L13
		378	/M2.6		-K50 :44	+.T -F31-3 :N12
		379	/M2.7		-K51 :44	+.T -F31-3 :N13
		380	/M2.7			+.T -F31-3 :N14
		381	/M6.5		-K50 :13	-XR1 :33 C
		382	/M6.5		-F20 :11	-K51 :13
		383	/M6.6			
		384	/M6.5		-K50 :14	-XR1 :34 C
		385	/M6.5		-F20 :12	-K51 :14
		386	/M6.6			
		387	/M6.7		-K52 :13	-XR1 :35 C
		388	/M6.7		-K52 :14	-XR1 :36 C
		393	/M7.1		+.T -P01 :G1	
		394	/M7.2		+.T -P01 :G2	
		395	/M7.2		+.T -P01 :G3	
		396	/M7.4			+.T -F31-3 :N2
		397	/M7.4			+.T -F31-3 :N3
		398	/M7.4			+.T -F31-3 :N1
		470	/M7.5			+.T -F31-2 :L3
		471	/M7.5			+.T -F31-2 :L4
		472	/M7.5			+.T -F31-1 :B7
		473	/M7.5			+.T -F31-1 :B8
		474	/M7.6			+.T -F31-1 :B9
		475	/M7.6			+.T -F31-1 :B10
		476	/M7.6			+.T -F31-1 :B11
		477	/M7.7			+.T -F31-1 :B13
		478	/M7.6			+.T -F31-1 :B12
		479	/M7.7			+.T -F31-2 :L5
		480	/M7.7			+.T -F31-1 :B14
		482	/M7.7			+.T -F31-2 :L6
		484	/M7.7			+.T -F31-2 :L8
=PAS +Panel -XX :XX		490	/M3.3			-K10A :A1
=PAS +Panel -XX :XX		491	/M3.4			-K10E :A1
=PAS +Panel -XX :XX		492	/M3.4			-K15A :A1
=PAS +Panel -XX :XX		493	/M3.5			-K15E :A1
=H10 +.B -XC30 :500 A		500	=H10/M1.1		-XQ10 :522 D	
=H10 +.B -XC30 :501 A		501	=H10/M1.2		-AQ10-X1.4 :17	
=H10 +.B -XC30 :502 A		502	=H10/M1.3			-XQ10 :814 C
=H10 +.B -XC30 :503 A		503	=H10/M1.2			-XQ10 :121 C
		504	/M2.3			+.T -F31-3 :N5

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	
				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
BUS RISER
=H11+.B-XC30
Connection table

=HZ25.1 V =H11 +.B /4

998574-000501 (3) W92210-L1965-S118-A

Sheet 4+ 10 Sh.

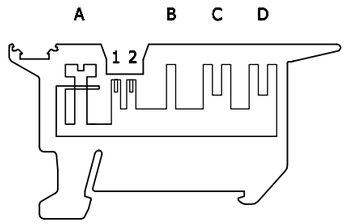
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H11 / V / / / 5

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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

	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
301-517	VBSTB 4-FS	
		FOR DETAILS SEE CIRCUIT DIAGRAM

No. of Terminals (in total) : 93

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					
		505	/M2.4			+.T -F31-3 :N6
		506	/M1.2		-K10A :13	
=H10 +.B -XC30 :507 A		507	/M1.2			-XC30 :304 C
=H10 +.B -XC30 :508 A		508	/M1.2			-XC30 :371 C
=H10 +.B -XC30 :509 A		509	/M1.3			-XC30 :372 C
=H10 +.B -XC30 :510 A		510	/M1.4			-XC30 :373 C
=H10 +.B -XC30 :511 A		511	/M1.4			-XC30 :374 C
=H10 +.B -XC30 :512 A		512	=H10/M6.2			-XQ10 :111 C
=H10 +.B -XC30 :513 A		513	=H10/M6.2		-XQ10 :112 D	
=H10 +.B -XC30 :514 A		514	=H10/M6.2		-XQ10 :114 D	
=H10 +.B -XC30 :515 A		515	=H10/M6.4		-XQ10 :512 D	
=H10 +.B -XC30 :516 A		516	=H10/M6.4		-XQ10 :514 D	
=H10 +.B -XC30 :517 A		517	=H10/M6.5		-XQ10 :816 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

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
BUS RISER
=H11+.B-XC30
Connection table

=HZ25.1 V =H11 +.B /5

998574-000501 (3) W92210-L1965-S118-A

Sheet 5+ 10 Sh.

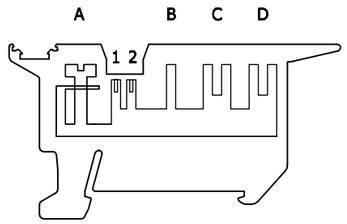
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H11 / V / / / 6

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

CopyRight (C) Siemens AG 2021 All Rights Reserved

	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
101-833	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
	-XQ10					
	1 2 JUMPER					
		101	/G1.3	+.D -Q10-X1 :1		-AQ10-X1.1 :4
		102	/G1.3	+.D -Q10-X1 :0		-AQ10-X1.1 :3
		111	=H10/M6.2	+.D -Q10-X11 :9	-XC30 :512 D	-XQ10 :511 D
		112	=H10/M6.2	+.D -Q10-X11 :8		-XC30 :513 C
		114	=H10/M6.2	+.D -Q10-X11 :7		-XC30 :514 C
		121	=H10/M1.2	+.D -Q10-X11 :6	-XC30 :503 D	
		122	=H10/M1.2	+.D -Q10-X11 :5	-XQ10 :124 D	-XQ10 :521 D
		124	=H10/M1.2	+.D -Q10-X11 :4		-XQ10 :122 C
		131	/M8.2	+.D -Q10-X11 :3		
		132	/M8.2	+.D -Q10-X11 :2		
		133	=H10/M3.6	+.D -Q10-X11 :1		-XR1 :45 C
=H10 +.B -XQ1 :832 A		134	=H00/G8.5	+.D -Q10-X11 :0		
		141	/M1.6	+.D -Q10-X12 :3		-XQ10 :562 D
		142	/M1.6	+.D -Q10-X12 :2		-AQ10-X1.2 :5
		143	/M8.2	+.D -Q10-X12 :1		
		144	/M8.2	+.D -Q10-X12 :0		
		151	/M2.4	+.D -Q10-X13 :3	-XC30 :306 D	
		152	/M2.4	+.D -Q10-X13 :2		+.T -F31-3 :N7
		153	/M2.5	+.D -Q10-X13 :1		
		154	/M2.5	+.D -Q10-X13 :0		+.T -F31-3 :N8
		161	/M8.3	+.D -Q10-X14 :3		
		162	/M8.3	+.D -Q10-X14 :2		
		163	/M8.3	+.D -Q10-X14 :1		
		164	/M8.3	+.D -Q10-X14 :0		
		171	/M8.3	+.D -Q10-X15 :3		
		172	/M8.3	+.D -Q10-X15 :2		
		173	/M1.6	+.D -Q10-X15 :1	-XQ10 :561 D	-XC30 :305 C
		174	/M1.6	+.D -Q10-X15 :0		-AQ10-X1.2 :6
		511	=H10/M6.4	+.D -Q10-X51 :9	-XQ10 :815 D	-XQ10 :111 D
		512	=H10/M6.4	+.D -Q10-X51 :8		-XC30 :515 C
		514	=H10/M6.4	+.D -Q10-X51 :7		-XC30 :516 C
		521	=H10/M1.2	+.D -Q10-X51 :6		-XQ10 :122 D
		522	=H10/M1.2	+.D -Q10-X51 :5	-XQ10 :524 D	-XC30 :500 C
		524	=H10/M1.2	+.D -Q10-X51 :4		-XQ10 :522 C
		531	=H10/M1.3	+.D -Q10-X51 :3	-AQ10-X1.4 :16	
		532	=H10/M1.3	+.D -Q10-X51 :2	-XQ10 :813 D	
		533	/Z2.5	+.D -Q10-X51 :1		
		534	/Z2.5	+.D -Q10-X51 :0		
		541	=H10/M3.2	+.D -Q10-X52 :3		-XR1 :41 C
		542	=H10/M3.2	+.D -Q10-X52 :2		-XR1 :43 C

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
BUS RISER
=H11+.B-XQ10
Connection table

=HZ25.1 V =H11 +.B /6

998574-000501 (3) W92210-L1965-S118-A

Sheet 6+ 10 Sh.

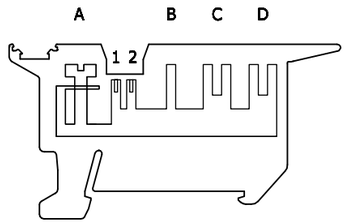
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H11 / V / / / 7

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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

	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
101-833	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		
				-XQ10											
				1 2 JUMPER											
					543	=H10/M7.8	+.D	-Q10-X52	:1						
=H10	+.B	-XQ1	:544 A		544	=H10/M7.8	+.D	-Q10-X52	:0						
=H10	+.B	-XQ1	:552 A		551	=H10/M2.3	+.D	-Q10-X53	:3						
=H10	+.B	-XQ0	:13 A		552	=H10/M2.3	+.D	-Q10-X53	:2						
					553	/Z2.5	+.D	-Q10-X53	:1						
					554	/Z2.5	+.D	-Q10-X53	:0						
					561	/M1.6	+.D	-Q10-X54	:3				-XQ10	:173 C	
					562	/M1.6	+.D	-Q10-X54	:2				-XQ10	:141 D	
					563	/M1.7	+.D	-Q10-X54	:1				-XQ10	:817 D	
					564	/M1.7	+.D	-Q10-X54	:0				-AQ10-X1.2	:7	
					571	/M2.5	+.D	-Q10-X55	:3						
					572	/M2.5	+.D	-Q10-X55	:2				+.T -F31-3	:N9	
					573	/M2.6	+.D	-Q10-X55	:1	-K50	:43				
					574	/M2.6	+.D	-Q10-X55	:0				+.T -F31-3	:N10	
					811	/M2.8	+.D	-Q10-X81	:3	-XC30	:307 C				
					812	/M2.8	+.D	-Q10-X81	:2				+.T -F31-3	:N15	
					813	=H10/M1.3	+.D	-Q10-X81	:1				-XQ10	:532 C	
					814	=H10/M1.3	+.D	-Q10-X81	:0	-XC30	:502 D				
					815	=H10/M6.5	+.D	-Q10-X82	:3				-XQ10	:511 C	
					816	=H10/M6.5	+.D	-Q10-X82	:2				-XC30	:517 C	
					817	/M1.8	+.D	-Q10-X82	:1				-XQ10	:563 D	
					818	/M1.8	+.D	-Q10-X82	:0				=H10 +.B -XQ0	:91 D	
					830	=H10/M2.8	+.D	-Q10-X84	:1						
					831	=H10/M2.8	+.D	-Q10-X84	:0						
=H10	+.B	-XQ1	:134 A		832	=H00/G8.5	+.D	-Q10-X85	:1						
=H10	+.B	-XQ0	:101 A		833	=H10/M3.5	+.D	-Q10-X85	:0						

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

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
BUS RISER
=H11+.B-XQ10
Connection table

=HZ25.1 V =H11 +.B /7

998574-000501 (3) W92210-L1965-S118-A

Sheet 7+ 10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11
Archive: =H11 / V / / / 8

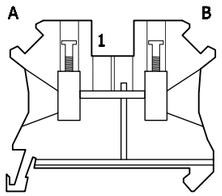
Translate file A: A_COC_DE
Translate file B: leer1
Translate file C: C_FB_EN.etr, 04-11-24
Translate file D: leer2

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

CopyRight (C) Siemens AG 2021 All Rights Reserved

	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

-XPE

Termination A Destination Item designation	Terminal strip Link (1 2 JUMPER)	Term.-no.	Cross-ref.	Termination B Destination Item designation
=H11 +.BPE		1	/S1.5	+.T -P01 :PE
=H11 +.BPE		2	=H10/S1.4	-XT1 :110PE A
		3	=H10/S2.5	-XT1 :210PE A
		4	/S2.8	
		5	/S2.8	
		6	/S2.8	
		7	/S2.8	
		8	/S2.8	

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

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

Siemens AG

8DA10 SWITCHGEAR 33,0 kV
BUS RISER
=H11+.B-XPE
Connection table

=HZ25.1 V =H11 +.B /8

998574-000501 (3) W92210-L1965-S118-A

Sheet 8+ 10 Sh.

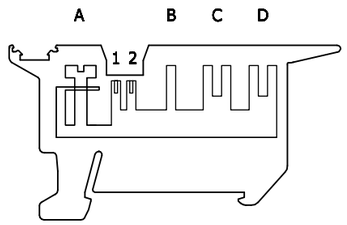
ELCAD-Version 7.7.1 SP2
Last used: 29.04.21
FBKLP2-13-VBSTB4
Archive: =H11 / V / / / 9

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:

CopyRight (C) Siemens AG 2021 All Rights Reserved

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



1 = Slot 1
2 = Slot 2

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

No. of Terminals (in total) : 5

Cable connection to termination

A B C D

1	2	3	4	5	6	7	8	9

Termination A Destination Item designation	Terminal strip Link	1	2	JUMPER	Term.-no.	Cross-ref.	Slot B Destination Item designation	Termination C Destination Item designation	Termination D Destination Item designation
	-XT15								
-F152 :2					550	/S1.2		-XT :108 B	-XT :100 B
-F152 :4					551	/S1.2		-XT :109 B	-XT :101 B
-F152 :6					552	/S1.2		-XT :110 B	-XT :102 B
-XR1 :24 C					553	/S1.3		-XT15 :557 C	-XT :103 B
					557	/S1.5		-XT15 :553 C	-XT :111 B

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

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
BUS RISER
=H11+.B-XT15
Connection table

=HZ25.1 V =H11 +.B /9

998574-000501 (3) W92210-L1965-S118-A

Sheet 9+ 10 Sh.

ELCAD-Version 7.7.1 SP2
Last used: 29.04.21 FBKLP2-11_I
Archive: =H11 / V / / / 10

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

1 2 3 2 1

1) Test socket
2) Jumper
3) Disconnecting link

Cable connection to termination A B

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

No. of Terminals (in total) : 8

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

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

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

Termination A Destination Item designation			Terminal strip Link				Term.-no.	Cross-ref.	Termination B Destination Item designation	
			-XT							
+.T	-F31-1	:B1					100	/S1.2	-XT15	:550 D
+.T	-F31-1	:B3					101	/S1.2	-XT15	:551 D
+.T	-F31-1	:B4					102	/S1.2	-XT15	:552 D
+.T	-F31-1	:B2					103	/S1.3	-XT15	:553 D
+.T	-P01	:F1					108	/S1.4	-XT15	:550 C
+.T	-P01	:F2					109	/S1.4	-XT15	:551 C
+.T	-P01	:F3					110	/S1.5	-XT15	:552 C
+.T	-P01	:F4					111	/S1.5	-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

CopyRight (C) Siemens AG 2021 All Rights Reserved

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
BUS RISER
=H11+.B-XT
Connection table

=HZ25.1 V =H11 +.B /10

998574-000501 (3) W92210-L1965-S118-A

Sheet 10-10 Sh.